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DELHI, ONTARIO

SINCE 1954

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G.P.S. Mapping & Irrigation Design

G.P.S. Mapping is just one of the many tools we utilize to design an irrigation system. The high degree of accuracy and detail G.P.S. affords is a great starting point for our motivated and enthusiastic Vanden Bussche Team! Helping you identify and meet your irrigation goals have been the foundation of our company for over 60 years. Our mapping and design expertise will help to ensure:

- The system will operate to expectations
- Dealing with problem topographies
- Accurate placement of equipment
- Proper location of sensors & meters
- Positioning of relief vents & valves

Mapping & Design, when executed by our motivated & experienced group, is a smart choice for small, medium and large installations as well as revamping and upgrading your current irrigation system.

Irrigation Systems are steadily becoming more complex, allowing for automation, remote monitoring, remote access, fertilizer injection, and sensors that automatically record and transmit data.

These increasingly sophisticated systems require a proper design that will benefit our customers and contractors.

Considering that each irrigation system is designed for a specific location, you can depend on us for custom fabrication to entrust that all components are of high quality to ensure reliability within your system. Even after your system has been installed, you can rely on Vanden Bussche Irrigation for quality service of your equipment with our trained and experienced staff.



COMPANY INFORMATION

- Terms & Condition of Sales -

Prices:

Prices are subject to change without notice. Prices invoiced will be the price in effect at the time of shipping or pickup. Applicable Taxes will be charged separately on the invoice.

Manner of Payment:

We accept payment by: Cash, Cheque, Visa, Master Card, and by Debit Card. Leasing of Equipment is available through a third party. For large orders we require a deposit of 20%.

Warranty:

Items returned for a warranty exchange, replacement or repair must be accompanied with an invoice. It is our policy to follow the manufacturer with regards to warranty claims.

Updates of manufacturers warranty products are available upon request.

Returned Merchandise:

Our policy is not to accept returned goods. All sales are final when the customer takes receipt of the goods. However, products in new and re-saleable condition may be returned.

A return is acceptable if:

1. Our office is aware of the return and authorization has been given.
2. Goods are returned with an invoice.
3. An administration charge of 20% or minimum \$20.00 and delivery charge (if applicable) will be deducted from credit.
4. It is within three months of purchase.
5. Shipments are prepaid to the originating VBI location.

Shipping:

All shipments are F.O.B. our warehouse. Delivery terms available upon request. Orders may be shipped either Purolator, Cardinal Overnight Couriers, United Parcel Service or Federal Express. For large and bulky orders we also offer delivery by Vanden Bussche's own carriers.

Special Orders:

Special Non-Stock items require a 20% deposit and may not be returned.



Members of
Dunn & Bradstreet

Delhi Business Hours:

Mon. to Fri.: 8:00 am to 5:00 pm, Sat. (Apr. to Oct.): 8:00 am to 12:00 pm

Delhi Shop & Equipment Service:

Mon. to Fri.: 8:00 am to 5:00 pm, Lunch: 12:00 pm to 12:30 pm

We will be closed all statutory holidays.

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STREAMLINE PLUS

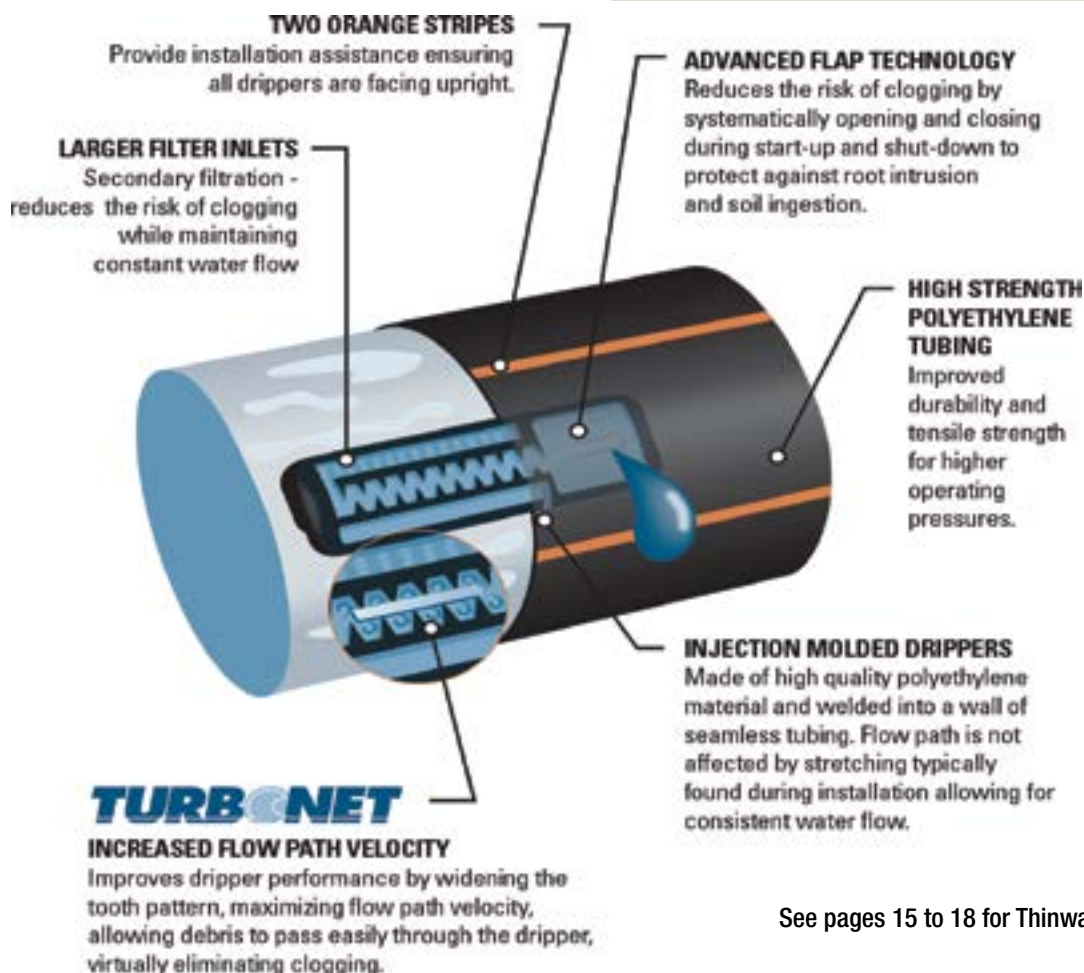
Thinwall Dripperline



Streamline Specifications
 Non Pressure Compensating
 Low Variation TurboNet Emitter.
 I.D. Size: 0.630" & 0.875"
 Mil: 4, 6, 8, 10 & 13
 Common Emitter Spacing: 12", 16", 18" & 24"
 Flow Rate (GPH): 0.16, 0.22 & 0.38

Maximum Operating Pressures:
 4 mil @ 10 psi, 6 mil @ 10 psi
 8 mil @ 12 psi, 10 mil @ 14 psi

Recommended Filtration: 120 mesh



See pages 15 to 18 for Thinwall Dripperline Fittings.

STREAMLINE PLUS

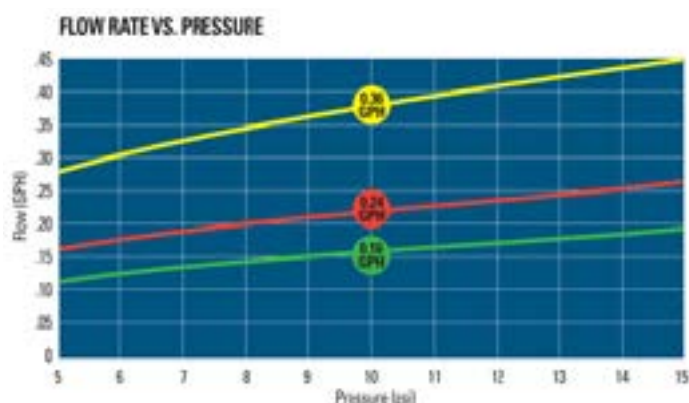
Thinwall Dripperline

Applications:

- Sub-surface or surface installations.
- 4 mil, seasonal use in light to medium textured soils with minimal rock & clods or under plastic mulch.
- 6 mil, seasonal use, surface or shallow (up to 5") burial.
- 8 mil, seasonal or multi-seasonal use, surface or shallow (up to 8") burial.
- 10 mil, multi-seasonal use, surface or shallow (up to 10") burial.
- 13 mil, multi-seasonal use, durable surface or subsurface use.

NOTE: When using plastic mulch, bury at least 1" deep.

Streamline Flow Rate vs Pressure



Streamline Sizes

Part #	I.D.	Mil	Emitter Spacing	Emitter Flow (GPH)	Reel Length	Price
Popular Sizes:						
AT 06SPF6380616-12	0.630"	6	12"	0.16	11,500'	
AT 06SPF6380616-16	0.630"	6	16"	0.16	11,500'	
AT 06SPF66382-12	0.630"	6	12"	0.23	11,500'	
AT 06SPF66382-16	0.630"	6	16"	0.23	11,500'	
AT 06SPF863616-12	0.630"	8	12"	0.16	9,000'	
AT 06SPF863616-16	0.630"	8	16"	0.16	9,000'	
AT 06SPF6380816-18	0.630"	8	18"	0.16	9,000'	
AT 06SPF86362-12	0.630"	8	12"	0.23	9,000'	
AT 06SPF86362-16	0.630"	8	16"	0.23	9,000'	
AT 06SPF106362-12	0.630"	10	12"	0.23	7,500'	
AT 06SPF106362-16	0.630"	10	16"	0.23	7,500'	
AT 06PYF82SL-16	0.875"	8	16"	0.16	6,000'	
AT 06PYF102-18	0.875"	10	18"	0.22	5,500'	

Other sizes and custom orders are available (minimum quantities apply). Please consult our expert Sales Team for more information.

TYPHOON

Thinwall Dripperline



Typhoon Specifications

Non Pressure Compensating
TurboNet Emitter.

I.D. Size: 0.630" & 0.875"

Mil: 8, 10, 13 & 15

Emitter Spacing: 12", 16", 18" & 24"

Flow Rate (GPH): 0.11, 0.16, 0.22, 0.36 & 0.49

Maximum Operating Pressures:

8 mil @ 12 psi, 10 mil @ 14 psi

13 mil @ 20 psi, 15 mil @ 26 psi

Recommended Filtration: 120 mesh for 0.11, 0.16 & 0.24, GPH emitters.
80 mesh for 0.36 & 0.49 GPH emitters.

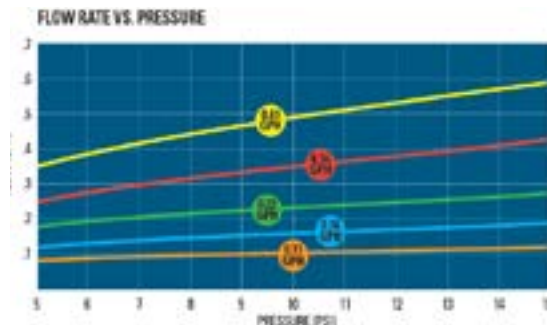
Product Advantages:

- Seamless Construction
 - Stronger, more durable than comparable drip tape
 - Fortifies against splitting or bursting under high pressures required for proper flushing
 - Eliminates root intrusion
- Dripperlines are packaged with more feet per reel, allowing for fewer fittings and less time changing reels during an installation.

Applications:

- 8 mil, seasonal or multi-seasonal use, surface or shallow (up to 8") burial
- 10 mil, multi-seasonal use, surface or shallow (up to 10") burial. Use where rocky or clod soils exist
- 13/15 mil, sub-surface applications where durability is needed with deep burial (up to 24")

Typhoon Flow Rate vs Pressure



Typhoon Sizes

Part #	Mil	Emitter Spacing	Emitter Flow (GPH)	Reel Length	Price
Popular Sizes:					
AT 06TPF638102-12	10	12"	0.25	6,600'	
AT 06TPF6381018-16	10	16"	0.18	6,500'	
AT 06TPF638102-16	10	16"	0.25	6,600'	
AT 06TPF638102-18	10	18"	0.25	6,600'	
AT 06TPF638132-12	13	12"	0.25	5,300'	
AT 06TPF638132-24	13	24"	0.25	5,300'	

Custom sizes are available (minimum quantities apply). Please consult our expert Sales Team for more information.

DRIPNET PC

Pressure Compensating
Thinwall Dripperline



DripNet PC Specifications

Pressure Compensating

TurboNet Emitter.

I.D. Size: 0.636" & 0.875"

Mil: 13, 15 & 25

Emitter Spacing: 8", 12", 16", 18", 24" & 30"

Flow Rate (GPH): 0.16, 0.26 & 0.42

Operating Pressure Range: 6 to 36 psi

Recommended Filtration: 120 mesh

Product Advantages:

- Pressure Compensating Dripperline
 - Delivers precise flows anywhere in the field
 - Undulating terrain, large fields with long rows (up to 50% longer, when compared to turbulent drip tape) receive exact amounts of water, from the first to the last dripper in the row
 - Wide regulation pressure range from 6 to 36 psi
- Wide range of flows, tubing size and dripper spacing to match the soil's infiltration rates

Applications:

- Sub-surface or surface installations
- Wide array of field & row crops
- 13 mil, multi-seasonal, durable surface & subsurface use
- 15 mil, multi-seasonal, durable surface & subsurface use
- 25 mil, where higher pressures are needed, to overcome severe undulations in large fields with long runs

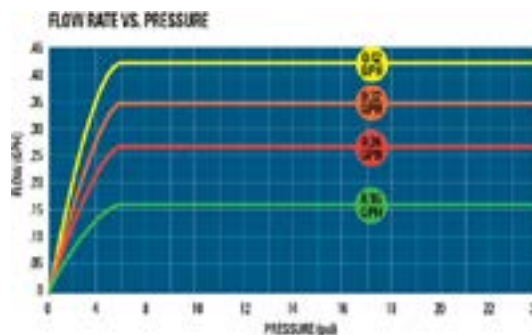
DripNet PC Sizes

Part #	I.D.	Mil	Emitter Spacing	Emitter Flow (GPH)	Reel Length	Price
Popular Sizes:						
AT 06DF6361326-12	0.630"	13	12"	0.26	3,300'	
AT 06DF6361326-16	0.630"	13	16"	0.26	3,609'	
AT 06DF6361526-18	0.630"	15	18"	0.26	3,300'	

Anti-Siphon feature is available.


Custom sizes are available (minimum quantities apply). Please consult our expert Sales Team for more information.

DripNet PC Flow Rate vs Pressure



Oval Tubing & Chapin Drip Tape

Oval Tubing

	Part #	Size	Working PSI	Roll Length	Price
	AA 1521600	1 1/2"	21	600'	
	AA 221	2"	21	450'	
	AA 321	3"	21	200'	
	AA 421	4"	21	130'	




FlexNet & Parts



Surface Installation



Subsurface Installation

	Part #	Description	Price
	AT 05FXPLUG050MPT-B	1/2" MPT Short Plug (Bag 50)	
	AT 05FX050MTEX636TL-B	630 TWD Tee Connection Twist Lock (Bag 100)	
	AT 05FX050MELX636TL-B	630 TWD Elbow Connection Twist Lock (Bag 100)	



FlexNet is simple, flexible and light-weight for maximum portability and quicker movement from field to field. It can be used in surface or subsurface applications and requires no specialized tools for installation.

Contact our expert Sales Team for available sizes and custom ordering.

Chapin Watermatics is a pioneer of drip irrigation in North America. Their Turbulent Twin-Wall thinwall dripperline is a rugged, durable product available in a wide number of emitter spacings, reel lengths and thicknesses. Turbulent Twin-Wall with 2" & 4" spacing is a popular product amongst greenhouse growers.

Turbulent Twin-Wall Specifications
Non-Pressure Compensating
Turbulent Flow Path Emitter.
I.D. Size: 0.625"
Mil: 6, 8, 10
Emitter Spacing: 2", 4" & 12"
Flow Rate (GPH): 90, 60 & 18 per 100'
Operating Pressure Range: 10 psi

Recommended Filtration: 200 mesh



Turbulent Twin-Wall

Part #	I.D.	Mil	Emitter Spacing	Flow Rate GPH/100'	Reel Length	Price
AA DLX58084100	0.625"	8	4"	60	7,500'	
AA JTC058122480	0.625"	8	12"	24	8,000'	
AA JTC058162480	0.625"	8	16"	18	8,000'	

Contact our expert Sales Team for more available sizes.

Installation Tips

Always install dripperline with the emitter facing up. This way any particles in your system will settle down and away from the emitter. Regularly inspect the Dripperline Burial Shank to ensure it is free of burrs & rough edges.

BETTER UNIFORMITY MEANS MORE DOLLARS IN YOUR POCKET



Today's growers face many challenges and drip irrigation system performance shouldn't be one of them. Netafim has spent the last 50 years developing high quality solutions. Growers who use Netafim products get the most out of their crop with higher quality yields while using less inputs.

Streamline™ Plus

Our innovative, non-pressure compensating thinwall dripline has the highest performance, greatest clogging resistance and most rugged durability.



- **Up to 30% Higher Tensile Strength**
Improved durability improves performance - stretching and pulling during installation or after won't affect the dripper's flow path
- **Vibrant Orange Stripes Down Dripline**
Stripes make installation easier and quicker by ensuring all drippers are in the upright position and allows for easy product identification



- **Best Choice for Seasonal Row Crops**
Seamless construction, a low filtration requirement, easier connection to ring-lock fittings and flap outlet protection which deters soil ingestion and root intrusion



(888) 638-2346 www.netafimusa.com

UNIRAM

Heavywall Dripperline

UniRam Heavywall Dripperline can operate in the poorest water quality conditions, the most difficult environments and irrigate the steepest terrains with the highest uniformity. UniRam's self-cleaning, pressure compensating dripper is a fully self-contained unit welded to the interior wall of the dripper tubing. Both tubing and dripper are manufactured from high quality synthetic elastomers to withstand chemicals and fertilizers.

The UniRam dripper contains a diaphragm that continuously adjusts to varying water pressure to ensure a constant flow rate. The diaphragm allows particles to pass through the dripper, promoting reliable performance and a longer system life. This continuous flushing feature & wide flow path keeps drippers flowing at optimal rates without clogging or interrupting operations.



UniRam Emitter



UniRam Specifications

Pressure Compensating TurboNet Emitter, available with optional CNL Non-Leakage Mechanism; also available with Vineline Dripperline Ring
I.D. Size: 16mm, 18mm & 20mm
Coil Length = 1,000'
Emitter Spacing: 18", 24", 30", 36", 42", 48" & 60".
Flow Rate (GPH): 0.26, 0.42, 0.53, 0.61, 0.92, 1.0
Operating Pressure Range: 7 to 58 psi
Recommended Filtration: 80 mesh (120 mesh for 0.26 GPH)

Product Advantages

- Wide pressure range produces uniform dripper flow rate, meaning longer runs & steeper topographies are irrigated with high uniformity.
- Lowest coefficient of manufacturing variability (CV) in the industry.
- One piece construction prevents damage to drippers during installation & retrieval.
- Design flexibility & system performance is available in a range of dripper flows & spacings, allowing for specific application rates & controlling of wetting patterns in different soil types.
- Pressure compensating feature delivers precise water application nearly everywhere in the field.

Applications

- Surface or subsurface installations
- Slopes & undulating terrain
- Poor water quality conditions

See pages 16 to 18
for Heavywall Dripperline
Fittings.

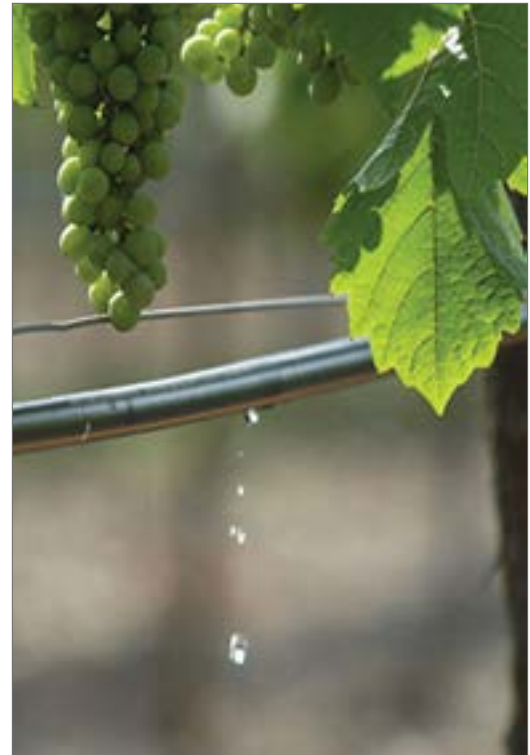
UNIRAM

Pressure Compensating
Heavywall Dripperline

UniRam's optional CNL Mechanism prevents line drainage at the end of an irrigation cycle, eliminating refill time. The CNL option is ideal for pulse irrigation.



UniRam is also available with pre-installed Vineline Rings. Vineline Dripperline Rings attach easily to 12 to 13 gauge wire and are adjustable. Rings are installed downslope from emitter, to prevent water travelling along the vineline.



UniRam Sizes - 1,000' Coils

Part #	I.D. (mm)	I.D.	O.D.	Emitter Spacing	Emitter Flow (GPH)	Price
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Popular Sizes:

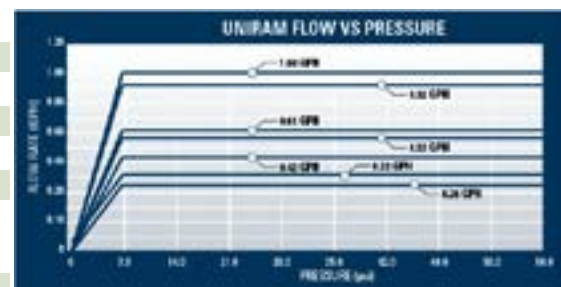
AT 08UR184-24	18	0.620"	0.700"	24"	0.42	
AT 08UR186-24	18	0.620"	0.700"	24"	0.62	
AT 08UR185-36	18	0.620"	0.700"	36"	0.53	
AT 08UR186-36	18	0.620"	0.700"	36"	0.62	
AT 08UR186-36	18	0.620"	0.700"	36"	0.92	

UniRam with Vineline Rings:

Popular Sizes:

AT 08URV184-24	18	0.620"	0.700"	24"	0.42	
AT 08URV204-24	20	0.690"	0.800"	24"	0.42	

UniRam Flow Rate vs Pressure



Custom sizes are available (minimum quantities apply). Consult with our expert Sales Team for more information.

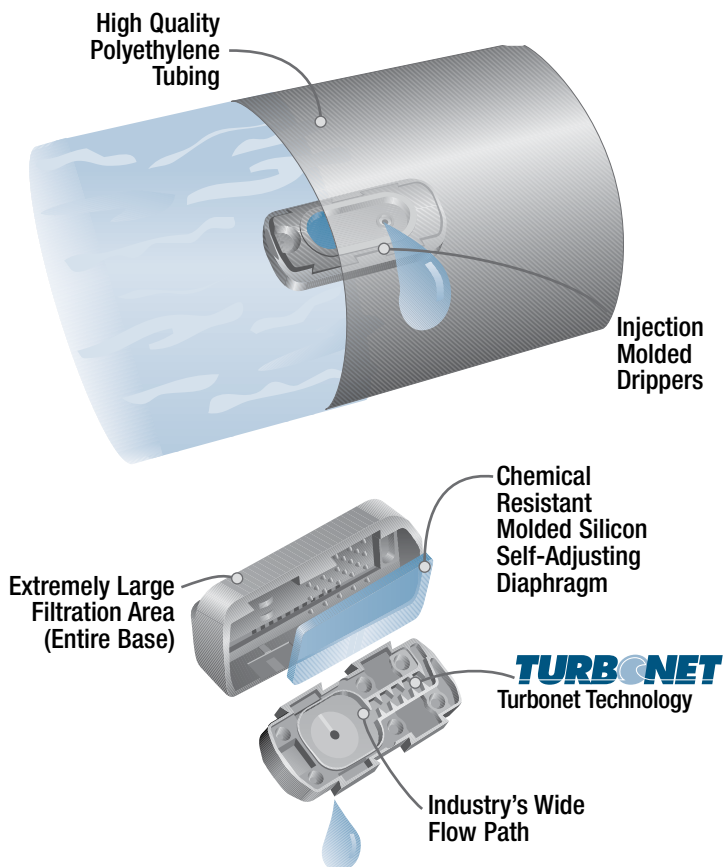
DRIPNET PC

Pressure Compensating Heavywall Dripperline

DripNet PC's self-cleaning pressure compensating dripper is a fully self-contained unit welded to the interior wall of the dripper tubing. Both tubing & dripper are manufactured from high quality synthetic elastomers to withstand chemicals & fertilizers. The DripNet PC dripper contains a diaphragm that continuously adjusts to varying water pressure to ensure a constant flow rate. The diaphragm allows particles to pass through the dripper, promoting reliable performance and a longer system life. This continuous flushing feature and wide flow path keep drippers flowing at optimal rates without clogging or interrupting operation.



DripNet PC Emitter



DripNet PC Specifications

Pressure Compensating, TurboNet Emitter.

I.D. Size: 16mm, 18mm & 20mm

Emitter Spacing: 24", 30", 36", 42.25" & 48"

Flow Rate (GPH): 0.16, 0.26, 0.32, 0.42, 0.53, 0.61, 0.92 & 1.00

Operating Pressure Range:

4 to 43 psi (0.16 GPH)

6 to 43 psi (0.26, 0.32 & 0.42 GPH)

6 to 51 psi (0.53, 0.61, 0.79, 0.92 & 1.0 GPH)

Recommended Filtration:

80 mesh - 0.42 GPH and higher

120 mesh - 0.16, 0.26, 0.32 GPH

Product Advantages:

- Wide pressure range produces uniform dripper flow rate on longer runs & steeper topographies for high uniformity.
- Lowest coefficient of manufacturing variability (CV) in the industry.
- One-piece construction prevents damage to drippers during installation & retrieval.
- Design flexibility is available in a range of dripper flows & spacings for specific application rates & controlling of wetting pattern in different soil types.
- Pressure compensating feature delivers precise water application nearly everywhere in the field.

DripNet PC Sizes

Part #	Mil	Emitter Spacing	Emitter Flow (GPH)	Reel Length	Price
AT 08D6204526-12	18	12"	.26	1,000'	
AT 08D6204542-24	18	24"	.4	1,000'	
AT 08D6204553-18	18	18"	.53	1,000'	
AT 08D6204553-24	18	24"	.53	1,000'	
AT 08D6204553-36	18	36"	.53	1,000'	
AT 08D69048042-24	20	24"	.42	1,000'	
	20	24"	.53	1,000'	

Applications:

- Sub-surface or surface applications
- For tree, vine, row crops, greenhouse & nursery
- Multi-seasonal use
- For undulating fields

VINELINE RINGS & CURLS

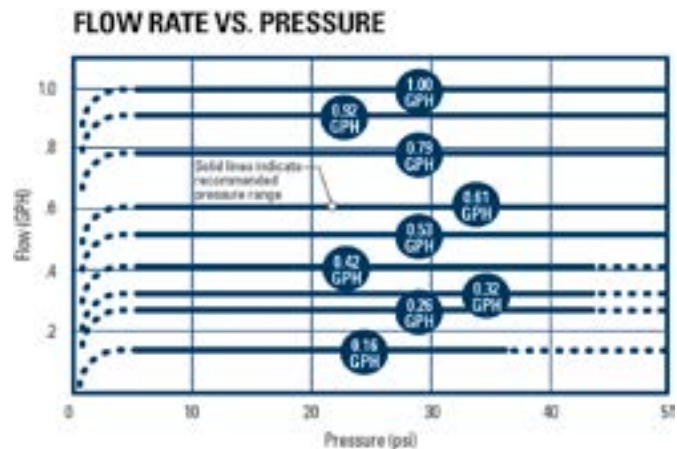


DripNetPC & Vineline Sizes, 1,000' Coils

DripNet Factory Order:

I.D. (Sizes):	16 mm, 18 mm or 20 mm
Emitter Spacing:	24" 30" 36" 42.25" or 48"
Emitter Flow (GPH):	0.26, 0.42, 0.53, 0.79 or 1.00

DripNet Flow Rate vs Pressure



Custom sizes are available (minimum quantities apply) Consult our expert Sales Team for more information.

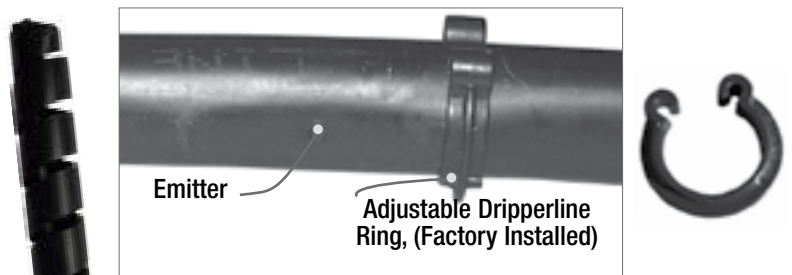
Vineline Curls



Vineline Rings

Part #	Description	Size	Price
AACURL3	Vine Curl	3" for .700" O.D.	
AACURL74	Vine Curl	4" for .900" O.D.	
AACURL83	Vine Curl	3" for .830" O.D.	

Vineline Rings



Vineline Rings

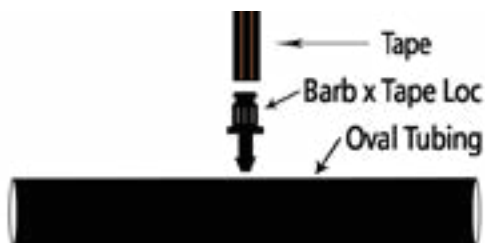
Part #	Description	Size	Price
ATH670780R	Vine Ring	18 mm	
ATH790R	Vine Ring	20 mm	

Vineline Dripperline Rings attach easily with 12 to 13 gauge wire.

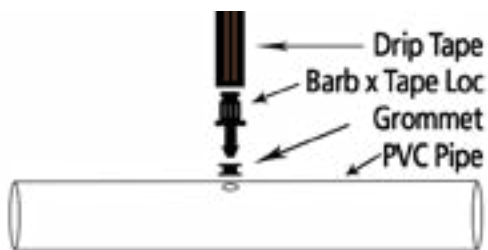
Rings and Curls are installed downslope from emitter, preventing water travelling along the Vineline.

DRIPPERLINE FITTINGS

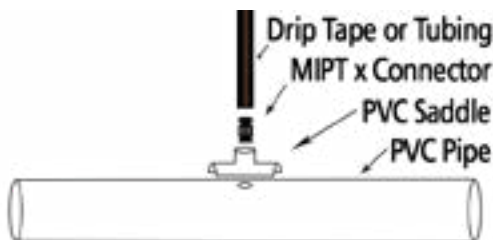
Oval Tubing Connection



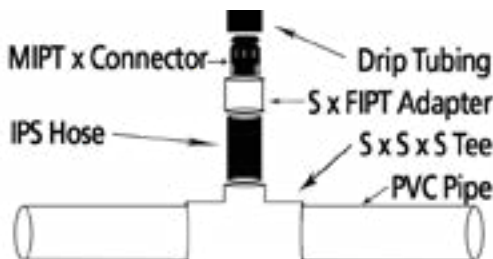
PVC Grommet Connection



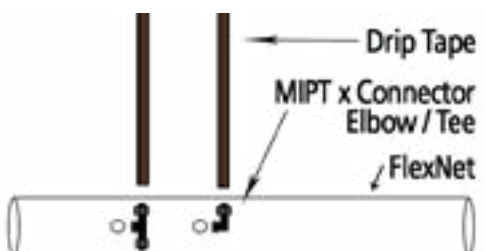
PVC Saddle Connection



PVC Tee x IPS Hose Connection



FlexNet Connection



Dripperlines are connected to a variety of header lines either directly to the header line or with an intermediary line. The intermediary line has no emitter, so field headlands are not irrigated.

Also an intermediary line allows you to place the header line at the edge of the field so it does not interfere with other farm operations. IPS Hose and Netafim Tubing are popular choices to connect dripperlines to header lines.

Thinwall Drinkerline (Tape Loc) Fittings

	Part #	Description	Price
	AA 250B-05-LS	0.25" Barb x 5/8" Tape Loc Adapter	
	AA 400B-06-LS	0.4" Barb x 5/8" Tape Loc Adapter	
	AA 250-BV06-LS	0.25" Barb x 5/8" Tape Loc Adapter with Valve	
	AA 31TV5B400	0.4" Barb x 5/8" Tape Loc Adapter with Valve	
	AT 31T5H5	5/8" Tape Loc x 16mm Netafim Tubing Adapter	
	AT 31T5H6	5/8" Tape Loc x 18mm Netafim Tubing Adapter	
	AT 31T7H6	7/8" Tape Loc x 18mm Netafim Tubing Adapter	
	AT 31T7BH700	7/8" Tape Loc x 18mm Netafim Tubing Adapter	
	AA CSP-06-LS600	5/8" Tape Loc x 16mm Netafim Tubing Compression Adapter	
	AA CSP-06-LS700	5/8" Tape Loc x 18mm Netafim Tubing Compression Adapter	
	AA CSP-09-LS700	5/8" Tape Loc x FHT with Screen Adapter	
	AA FHS-06-LS		

DRIPPERLINE FITTINGS

Thinwall Dripperline (T.D.) Fittings

Part #	Description	Price
 AA MA-06-LS	5/8" Tape Loc x 1/2" MIPT Adapter	
 AT 31TV5TH50	5/8" Tape Loc x 1/2" MIPT Adapter with Valve	
 AT 31TV5TH75	5/8" Tape Loc x 3/4" MIPT Adapter with Valve	
 AA TEE-06-LS	5/8" Tape Loc Tee	
 AT 31TE55	5/8" Tape Loc x 5/8" Tape Loc Coupler	
 AA CPT-09-LS	7/8" Tape Loc x 7/8" Tape Loc Coupler	
 AA CPTBV-06-LS	5/8" Tape Loc x 5/8" Tape Loc Coupler with Valve	
 AT 31T5FVL	5/8" Tape Loc Low Pressure End Flush-Out	

Fittings for Heavywall Dripperline & Netafim Tubing (Compression Fit)

Part #	Description	Price
 AA 400CPIA600	0.4" Barb x 16mm Adapter	
 AA 400CPIA700	0.4" BARB x 18mm Adapter	
 AA 600-CHS	FHT x 16mm Adapter	
 AA 700-CHS	FHT x 18mm Adapter	
 AA 800-CHS	FHT x 20mm Adapter	
 AA 900-CHS	FHT x 22mm Adapter	
 AA 600-CE	MHT x 16mm Adapter	
 AA 700-CE	MHT x 18mm Adapter	
 AA 900-CE	MHT x 22mm Adapter	
AA 600-CMA05	1/2" MIPT x 16mm Adapter	
AA 600-CMA075	3/4" MIPT x 16mm Adapter	
AA 700-CMA05	1/2" MIPT x 18mm Adapter	
AA 700-CMA075	3/4" MIPT x 18mm Adapter	
AA 600-CC	16mm Coupler	
AA 700-CC	18mm Coupler	
AA 800-CC	20mm Coupler	
AA 900-CC	22mm Coupler	
AA 700-600CC	18mm x 16mm Coupler	

DRIPPERLINE FITTINGS

Fittings for Heavywall Dripperline & Netafim Tubing (Compression)

Part #	Description	Price
	AA 600-C3T 16mm Tee	
	AA 700-C3T 18mm Tee	
	AA 800-C3T 20mm Tee	
	AA 900-C3T 22mm Tee	
	AA 600-CST 16mm x 16mm x 16mm FHT Tee	
	AA 700-CST 18mm x 18mm x 18mm FHT Tee	
	AA 600-CELL 16mm Elbow	
	AA 700-CELL 18mm Elbow	
	AA 800-CELL 20mm Elbow	
	AA 600-CELLSN FHT x 16mm Elbow	
	AA 700-CELLSN FHT x 18mm Elbow	
	AA 600-AP8 16mm Figure 8 End Closure	
	AA 700-AP8 18mm Figure 8 End Closure	
	AA 600-CETC 16mm End Closure with Cap	
	AA 700-CETC 18mm End Closure with Cap	
	AA 800-CETC 20mm End Closure with Cap	
	AA 900-CETC 22 mm End Closure with Cap	

Fittings for Heavywall Dripperline & Netafim Tubing (Insert Fit & Perma-Loc)

Part #	Description	Price
	AT 58-VQA12 16mm Valve	
	AT 58-VQA58 18mm Valve	
	AT 58-VQA34 20mm Valve	
	BE 600-BC 16mm Insert Coupler	
	BE 600-BT 16mm Insert Tee	
	BE 600-BL 16mm Insert Elbow	
	AT 31H5B400 0.4" Barb x 16mm Adapter	
	AT 31H6B400 0.4" Barb x 18mm Adapter	
	AT 31HV5B400 0.4" Barb x 16mm Adapter & Valve	
	AT 31HV6B400 0.4" Barb x 18mm Adapter & Valve	
	AT 31H6S FHT x 18mm Adapter	
	AT 31H7S FHT x 20mm Adapter	
	AT 31H5TH50 1/2" MIPT x 16mm Adapter	
	AT 31H6TH50 1/2" MIPT x 18mm Adapter	
	AT 31H6TH75 3/4" MIPT x 18mm Adapter	
	AT 31H7TH75 3/4" MIPT x 20mm Adapter	
	AT 31H8TH75 3/4" MIPT x 22mm Adapter	
	AT 31HV5TH50 1/2" MIPT x 16mm Adapter & Valve	
	AT 31HV5TH75 3/4" MIPT x 16mm Adapter & Valve	
	AT 31HV6TH50 1/2" MIPT x 18mm Adapter & Valve	
	AT 31HV6TH75 3/4" MIPT x 18mm Adapter & Valve	
	AT 31HV7TH75 3/4" MIPT x 20mm Adapter & Valve	

DRIPPERLINE FITTINGS

Fittings for Heavywall Dripperline & Netafim Tubing (Perma-Loc)

	Part #	Description	Price
	AT 31HC500	16mm Coupler	
	AT 31HC600	18mm Coupler	
	AT 31HC700	20mm Coupler	
	AT 31HC800	22mm Coupler	
	AT 31HRC76	20mm to 18mm Reducing Coupler	
	AT 31HE66	18mm Elbow	
	AT 31HE77	20mm Elbow	
	AT 31HE88	22mm Elbow	
	AT 31HT666	18mm Tee	
	AT 31HT66P075	18mm x 18mm x 3/4" Slip 1" Spigot	
	AT HT66S	18mm x 18mm x FHT Tee 20mm x 20mm x FHT Tee	
	AT HT77S	18mm End Cap 20mm End Cap	
	AT 31H6CAP		
	AT 31H7CAP		
		18mm High Pressure End Flush Out	
	AT 31H6FVH	18mm Low Pressure End Flush Out	
	AT 31H6FVL	20mm Low Pressure End Flush Out	
	AT 31H7FVL	22mm Low Pressure End Flush Out	
	AT 31H8FVL		

Accessories, Fittings & Adapters for Dripperline & Netafim Tubing

	Part #	Description	Price
	AA 075IPSH	0.75" x 200, Flexible IPS Hose can be glued with PVC Cement into Standard 3/4" PVC fittings.	
	AA 075MHA	MHT x 3/4" PVC Slip Adapter	
	AA 05MHA	MHT x 1/2" PVC Spigot, Adapter	
	AA 075MHS	MHT x 1/2" PVC Slip or 3/4" Spigot Adapter	
	AA 400PIA	0.4" Barb x 1/2" PVC Slip or 3/4" Spigot Adapter	
	AA 400PIAS	0.4" Barb x 1/2" PVC Spigot Adapter	
	AA GRO	Grommet for fittings with 0.4" Barb	
	AT 31AGR700	Grommet for fittings with 0.7" Barb	
	AT 11-07737	Dual Plug for Fittings & Drippers with 0.25" Barbs	
	AA 400-MP	Plug for 0.4" Barb	
	AA 700-MP	Plug for 0.7" Barb	



*Advanced Agricultural Films **IMAFLEX** INC*

GROW MORE WITH LESS COSTS, WASTE AND PESTICIDES

*Fractional gauge, heavy duty
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insect-borne diseases control,
growth and yield boost in fruit,
vegetable and citrus production*

*Herbicide releasing fumigation
film for nutsedge and broadleaf
weeds control EPA Reg. # 91278-1*



IMAFLEX Inc.
5710 Rue Notre-Dame West
Montreal, QC H4C 1V2, Canada



imaflex.com

PLASTIC MULCH

Imaflex Plastic Mulch "Popular Sizes"

Part #	Width	Mil	Roll Length (feet)	Price
Black Embossed				
EH H48606BM	48"	0.6	6,000	
EH H48906BM	48"	0.6	9,000	
EH H50906BM	50"	0.6	9,000	
EH H54806BM	54"	0.6	8,000	
EH H60607BM	60"	0.7	6,000	
EH H60608BM	60"	0.8	6,000	
EH H60906BM	60"	0.6	9,000	
EH H724808BM	72"	0.8	4,800	

White on Black

EH H366075WB	36"	0.75	6,000	
EH H486076WB	48"	0.70	6,000	
EH H606075WB	60"	0.75	6,000	

Custom sizes are available (minimum quantities apply) Consult our expert Sales Team for more information.

Berry Plastic Mulch "Popular Sizes"

Part #	Width	Mil	Roll Length	Price
Black				
EH P48409BM	48"	0.9	4000'	
EH P48411BM	48"	1.1	4000'	
EH P4841BM	48"	1.0	4000'	
EH P48609BM	48"	0.9	6000'	
EH P50409BM	50"	0.9	4000'	
EH P50411BM	50"	1.1	4000'	
EH P5061BM	50"	1.0	6000'	
EH P53409BM	53"	0.9	4000'	
EH P60409BM	60"	0.9	4000'	

White/Black

EH P3622WB	36"	2	2000'	
EHP604125WB	60"	1.25	4000'	



Companies such as Imaflex and Berry Plastics use a high-molecular weight, high-density polyethylene (HMW-HDPE) resin with the co-extrusion process to create an embossed mulch film. The high quality resins produce strong mulch that traps in moisture and heat. Plastic mulches combined with drip irrigation offer growers many benefits for highly-productive horticultural production of fresh fruits and vegetables over bare ground.

Some other benefits of using plastic mulch include: earlier season crops, higher yield, weed control and cleaner crops overall.



Custom sizes are available (minimum quantities apply). Consult our expert Sales Team for more information.

****Now Available: Ask your Sales Rep about the Biodegradable Mulch options.****

Essential frost protection for every climate and crop need.

Whether your primary goal is emergency frost or freeze protection, overwintering, insect or wind protection, early and late growing seasons or seed germination – *with* improved quality and yield, there's an AgroFabric® for your operation. Choose your level of protection in up-to-acre-size rolls for your fields during extreme weather events – without power, fuel or irrigation.

+2°
+4° *CHOOSE YOUR LEVEL OF PROTECTION* +8°

AgroFabric creates a precise, favorable microclimate – elevating soil and air temperatures during the day, slowing heat loss during the night, raising minimum temperatures.



Peppers survive six hours below freezing with 25°F with Pro25.



Container blocks prepared for quick application with Pro34 during temperature drops.



Ginseng plants protected with AgroFabric will be better quality and market-ready earlier.

Order today! For more information email info@agrofabric.com or visit AgroFabric.com

ROW COVER

Mini-Tunnels, 72" Width

Part #	Description	Mil	Num. of Holes	Length	Price
Popular Sizes					
EH MTPG72315	Pale Green	1.0	500/m ²	3,000'	
EH SHOOPS	Galv. Spring Hoops for Mini-Tunnels				
Factory Orders					
	White	1.0	500/m ²	3,000'	
	Pale Green	1.1	500/m ²	3,000'	

Custom sizes are available (minimum quantities apply) Consult our expert Sales Team for more information.

Row Cover

Available in any weight or size
(minimum order quantity may apply)

LIGHTWEIGHT

PRO19 19 GRAMS SQ. YD.	PRO21 21 GRAMS SQ. YD.	PRO25 25 GRAMS SQ. YD.
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MEDIUM WEIGHT

PRO30 30 GRAMS SQ. YD.	PRO35 35 GRAMS SQ. YD.	PRO40 40 GRAMS SQ. YD.
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HEAVYWEIGHT

PRO50 30 GRAMS SQ. YD.	PRO70 35 GRAMS SQ. YD.
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WINTER BLANKET

PRO80 80 GRAMS SQ. YD.	PRO90 90 GRAMS SQ. YD.	PRO100 100 GRAMS SQ. YD.	PRO140 140 GRAMS SQ. YD.	PRO200 200 GRAMS SQ. YD.
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Mini-Tunnels

To protect & nurture your new transplants, Mini-Tunnels act like a small greenhouse over each bed helping transplants adjust and giving you a jump start on growth.



Floating Row Cover

Popular choices for carrots, strawberries, lettuce, corn, melons, and many other crops.

Protects against:

- Frost
- Hail
- Heavy Rain
- Insects & Birds

Also used for overwintering strawberries.

Available Sizes

5' - 60' wide

100' - 1,000' long

DISC & SCREEN FILTERS

Netafim Plastic Filters

Part #	Description	Size	Max.GPM	Price
AT 25A45-120	Disc, 120 Mesh	3/4" (MIPT)	18	
AT 25A45-140	Disc, 140 Mesh	3/4" (MIPT)	18	
AT 25A47-120	Disc, 120 Mesh	1" (MIPT)	26	
AT 25A47-140	Disc, 140 Mesh	1" (MIPT)	26	
AT 25A48-120	Disc, 120 Mesh	1" Super (MIPT)	35	
AT 25A48-140	Disc, 140 Mesh	1" Super (MIPT)	35	
AT 25A15-140	Disc, 140 Mesh	1 1/2" (MIPT)	35	
AT 25A30-120	Disc, 120 Mesh	2" Dual (MIPT)	120	
AT 25A30-140	Disc, 140 Mesh	2" Dual (MIPT)	120	
AT25A2DL-120	Disc, 120 Mesh	2" Dual Lite (MIPT)	110	
AT25A2DL-140	Disc, 140 Mesh	2" Dual Lite (MIPT)	110	
AT 25A50-120G	Disc, 120 Mesh	3" Twin (Groove)	175	
AT 25A50-140F	Disc, 140 Mesh	3" Twin (Flange)	175	
AT 25A50-200G	Disc, 200 Mesh	3" Twin (Groove)	175	
AT 25A3TL-120F	Disc, 120 Mesh	3" Twin Lite (Flange)	220	
AT 25A3TL-140F	Disc, 140 Mesh	3" Twin Lite (Flange)	220	
AT 25A53-120G	Disc, 120 Mesh	3" Angle (Groove)	200	
AT 25A53-140F	Disc, 140 Mesh	3" Angle (Flange)	200	
AT 25A78-120F	Disc, 120 Mesh	4" Twin (Flange)	450	
AT 25A78-140F	Disc, 140 Mesh	4" Twin (Flange)	450	
AT 25A80-120F	Disc, 120 Mesh	6" Twin (Flange)	600	
AT 25A80-140F	Disc, 140 Mesh	6" Twin (Flange)	600	

Jain Spin Clean Plastic Filters

Part #	Description	Size	Max.GPM	Price
AA 4E075B150	Screen, 150 Mesh	3/4" MIPT x MIPT	13	
AA 4E1B050	Screen, 50 Mesh	1" MIPT x MIPT	31	
AA 4E1B150	Screen, 150 Mesh	1" MIPT x MIPT	31	
AA 4E15B030	Screen, 30 Mesh	1 1/2" MIPT x MIPT	53	
AA 4E15B050	Screen, 50 Mesh	1 1/2" MIPT x MIPT	53	
AA 4E2P030	Screen, 30 Mesh	2" MIPT x MIPT	110	
AA 4E2P050	Screen, 50 Mesh	2" MIPT x MIPT	110	
AA 4E2P150	Screen, 150 Mesh	2" MIPT x MIPT	110	

- Choosing a Screen or Disc Filter -

Screen filters are very effective in removing inorganic particles, such as sand and grit from a well. Disc filters are very effective in removing organic particulates, such as algae from an irrigation pond. For easy checking if a filter element needs cleaning, mount pressure gauges on each side of the filter. As the filter element gets dirty, the pressure difference will increase (as shown on the gauges) alerting you when it is time to clean.

Netafim / Arkal Disc Filter Elements

Colour	Mesh
Red	120
Black	140
Green	200

3/4" Filter



1" Filter



1" Super Filter



3" Dual Lite Filter



2" Dual Filter



3" Twin Lite Filter



4" & 6" Twin Filter



3" Angle Filter



1 1/2" & 2" Jain Filter



3/4" & 1" Jain Filter



Understanding Mesh vs. Micron:

Mesh size refers to the mesh number and its relationship to the size of the openings in the mesh, it accounts for the size of particles that can pass through these openings. Micron is a measurement term frequently used to describe tiny particle sizes. It is equal to one-millionth of a meter or about one twenty-five thousandth of an inch.

DISC & SCREEN FILTERS

Amiad Plastic Filters



3/4" Filter



1" Filter



1 1/2" Filter



2" Filter



2" Super Filter



2" In-Line Steel Filter

4" In-Line Steel Filter



Amiad Filter Elements

Colour	Mesh	Micron
Screen		
Gray	20	800
Green	30	500
Blue	50	300
White	75	200
Red	120	130
Yellow	155	100
Black	200	80
Discs		
Red	120	130
Black	155	100

Part #	Description	Size	Max. GPM	Price
AC 101-0059-120	Screen, 120 Mesh	3/4" (MIPT)	13	
AC 101-0059-155	Screen, 155 Mesh	3/4" (MIPT)	13	
AC 101-0059-200	Screen, 200 Mesh	3/4" (MIPT)	13	
AC 112-0054-120D	Disc, 120 Mesh	1" (MIPT)	31	
AC 112-0054-155D	Disc, 155 Mesh	1" (MIPT)	31	
AC 112-0059-120	Screen, 120 Mesh	1" (MIPT)	31	
AC 112-0059-155	Screen, 155 Mesh	1" (MIPT)	31	
AC 112-0059-200	Screen, 200 Mesh	1" (MIPT)	31	
AC 115-0054-120D	Disc, 120 Mesh	1 1/2" (MIPT) short	35	
AC 116-0054-120D	Disc, 120 Mesh	1 1/2" (MIPT)	66	
AC 116-0054-155D	Disc, 155 Mesh	1 1/2" (MIPT)	66	
AC 116-0059-120	Screen, 120 Mesh	1 1/2" (MIPT)	66	
AC 116-0059-155	Screen, 155 Mesh	1 1/2" (MIPT)	66	
AC 116-0059-200	Screen, 200 Mesh	1 1/2" (MIPT)	66	
AC 122-0054-155D	Disc, 120 Mesh	2" (MIPT)	80	
AC 122-0054-155D	Disc, 155 Mesh	2" (MIPT)	80	
AC 122-0059-120	Screen, 120 Mesh	2" (MIPT)	80	
AC 122-0059-155	Screen, 155 Mesh	2" (MIPT)	80	
AC 126-0054-120D	Disc, 120 Mesh	2" Super (MIPT)	110	
AC 126-0054-155D	Disc, 155 Mesh	2" Super (MIPT)	110	
AC 126-0059-120	Screen, 120 Mesh	2" Super (MIPT)	110	
AC 126-0059-155	Screen, 155 Mesh	2" Super (MIPT)	110	
AC 126-0059-200	Screen, 200 Mesh	2" Super (MIPT)	110	

Amiad Steel Filters

Part #	Description	Size	Max. GPM	Price
AC 2-0200-1150-7-155	Disc, 155 Mesh	2" (MIPT)	110	
AC 2-0200-1150-1-155	Screen, 155 Mesh	2" (MIPT)	110	
AC 2-0300-1110-7-155	Disc, 155 Mesh	3" (Flanged)	220	
AC 2-0300-1110-1-155	Screen, 155 Mesh	3" (Flanged)	220	
AC 2-0400-1110-7-155	Disc, 155 Mesh	4" (Flanged)	350	
AC 2-0400-1110-1-155	Screen, 155 Mesh	4" (Flanged)	350	
AC 2-0600-1110-7-155	Disc, 155 Mesh	6" (Flanged)	700	
AC 2-0600-1110-1-155	Screen, 155 Mesh	6" (Flanged)	700	

Need an Amiad Filter with a mesh not in our catalogue? We can order it for you!

DISC-KLEEN

Automatic Filter Batteries

2" x 3 Disc-Kleen
(4" Manifold)



Improved Design

Proven reliable, Netafim's successful Automatic Disc-Kleens now have an advanced disc filtration technology that optimizes irrigation and saves water. The redesigned filter can now flush at lower pressure (30 psi) reducing pump inputs for flushing, eliminating the need for a pressure sustaining valve.

Additional Disc-Kleen Advantages

- Proven depth filtration through the entire depth of the disc ring
- Non-corrosive, UV protected polypropylene materials resist rust & corrosion

Disc-Kleen Automatic Filter Batteries

Part #	Description	Manifold Size	# of Filters	Max. GPM	Price
AT 26ASK2A2-120	Disc, 120 Mesh	4"	2	160	
AT 26ASK2A2-140	Disc, 140 Mesh	4"	2	145	
AT 26ASK2A3-120	Disc, 120 Mesh	4"	3	240	
AT 26ASK2A3-140	Disc, 140 Mesh	4"	3	220	
AT 26ASK2A4-120	Disc, 120 Mesh	4"	4	320	
AT 26ASK2A4-140	Disc, 140 Mesh	4"	4	290	
AT 26ASK3A3-120	Disc, 120 Mesh	6"	3	480	
AT 26ASK3A3-140	Disc, 140 Mesh	6"	3	435	
AT 26ASK3A4-120	Disc, 120 Mesh	6"	4	640	
AT 26ASK3A4-140	Disc, 140 Mesh	6"	4	580	
AT 26ASK3A5-120	Disc, 120 Mesh	6"	5	800	
AT 26ASK3A5-140	Disc, 140 Mesh	6"	5	725	

3" x 4 Disc-Kleen (6" Manifold)



Need an Netafim Disc-Kleen Filter with a mesh or size not in our catalogue?
We can order it for you!

Disc-Kleen Backflushing Action

Debris is captured along the walls & grooves of the filter element.

When backflush cycle begins, the valve changes position

The pressure in the outlet manifold loosens the disc stack.

A nozzle system inside the filter stack sprays pressurized water against the discs.

The discs spin which quickly & efficiently cleans them.

After backflushing, the stack of discs compress & resume filtration.



Netafim's Backflush Controller for automatic filters is available in 110 or 12 volt. The unit backflushes on time and pressure differential. Filter, valves & the controller are all factory assembled and tested, arriving ready to work on your farm.

APOLLO DISC-KLEEN

Automatic Filter Batteries

4 Unit Twin (10" Manifold)

High Performance, Reliable, Cost Effective Filtration Solution

- Longer & wider filter elements, give amazing flow rates. Higher volume lowers your price per GPM of filtered water
- Re-designed piston means only 30 psi required to backflush which lowers your pump energy costs
- High density synthetic material makes the Apollo corrosion proof not corrosion resistant
- Smaller foot print, means easier to move or mount on a trailer



4 Unit Angle (6" Manifold)



Apollo Disc-Kleen Automatic Filter Batteries

Part #	Description	Manifold Size	Max. GPM	Price
AT 26ASK3APP4120	4 Unit Angle, 120 Mesh Disc	6"	780	
AT 26ASK3APP4140	4 Unit Angle, 140 Mesh Disc	6"	700	
AT 26ASK4PP3120	3 Unit Twin, 120 Mesh Disc	8"	1,170	
AT 26ASK4PP3140	3 Unit Twin, 140 Mesh Disc	8"	1,050	
AT 26ASK4PP4120	4 Unit Twin, 120 Mesh Disc	10"	1,560	
AT 26ASK4PP4140	4 Unit Twin, 140 Mesh Disc	10"	1,400	
AT 26ASK4PP5120	5 Unit Twin, 120 Mesh Disc	10"	1,950	
AT 26ASK4PP5140	5 Unit Twin, 140 Mesh Disc	10"	1,750	
AT 26ASK4PP6120	6 Unit Twin, 120 Mesh Disc	10"	2,340	
AT 26ASK4PP6140	6 Unit Twin, 140 Mesh Disc	10"	2,100	
AT 26ASK4PP7120	7 Unit Twin, 120 Mesh Disc	12"	2,730	
AT 26ASK4PP7140	7 Unit Twin, 140 Mesh Disc	12"	2,450	
AT 26ASK4PP8120	8 Unit Twin, 120 Mesh Disc	12"	3,120	
AT 26ASK4PP8140	8 Unit Twin, 140 Mesh Disc	12"	2,800	

Apollo Filters: Less Water Used to Backflush

The Apollo filter may flush more frequently than a Media filter, however, the Apollo flushes five time faster! This faster backflush cycle saves 45% of water overall, drastically decreasing interruption of water flow to fields while irrigating, and maintains higher uniformity!



Alex-Tronix Backflush Controllers will operate any filter with any common input voltage and 24 VAC, 12 VDC and 12 VDC latching solenoids. The product offers either 4 or 8 progressive or sequential stations, plus a master valve, a new 1-30 psi digital pressure differential sensor with display, and a heavy duty transformer option.

SCREEN FILTERS

Amiad's Sigma Pro is a multi-screen, polymeric filter that combines Amiad's unique suction-scanning screen technology with a compact design and innovative self-cleaning mechanism. Raw water enters through the filter inlet passing through the multiple screens, as clean water flows through the filter outlet. The self cleaning process begins when the switch senses the pre-set pressure differential.

Amiad Mini Sigma Filters

Part #	Description	Max. GPM	Price
AC 5000-XXX*	2" Threaded On-line	132	
AC 5000A-XXX*	2" Threaded Angle	132	
AC 5001-XXX*	3" Flanged On-line	220	
AC 5001A-XXX*	3" Flanged Angle	220	
AC 5002-XXX*	4" Flanged On-line	352	
AC 5002A-XXX*	4" Flanged Angle	352	

* - Replace "XXX" with preferred micron rating.

Ask our expert Sales Team about other available sizes.



The Amiad Filtomat M100 and MG Series are automatic, self-cleaning filters, ideal for remote installation sites. They have a water-driven self-cleaning mechanism that doesn't require an external power source for operation. The filtration process begins when raw water flows through the filter inlet into the coarse screen which pre-filters the water to protect the cleaning mechanism from large



Filtomat M100/MG Self-Cleaning Screen Filters

Part #	Filter Type	Max.GPM	Size	Price
AC M104LPN	M100-4500	793	4"	
AC M106XLP	M100-4500	793	6"	

Netafim Manual Screen Filters

Part #	Mesh	Size	Max.GPM	Price
AT 70SF03GR-120	120	3"	260	
AT 70SF03GR-150	150	3"	260	
AT 70SF04GR-120	120	4"	450	
AT 70SF04GR-150	150	4"	450	
AT 70SF06GR-120	120	6"	1100	
AT 70SF06GR-150	150	6"	1100	



NETAFIM MEDIA FILTERS

24" Double Chamber Media Filter



48" Single Chamber Media Filter



Automatic Media Filter batteries are available in a number of configurations. Two & three units are common choices for 16", 20", 24" & 36" filters for flows ranging from 40 to 525 GPM. The 16", 20" & 24" are also available as a single unit with manual backflush. The 48" is available in batteries of two to eight units for flows ranging from 400 to 2,400 GPM while providing 200 mesh filtration with #16 silica sand. Units are epoxy steel double chamber construction. Backflush on time and pressure differential in 110 volt or 12 volt.

Epoxy Coated Steel Media Automatic Filter

Part #	Description	Connect. Size	# of Filters	Amount of Media (lb)	GPM	Price
AT 23MF16	16" Media Filter	2"	1	170	35	
AT 23MF20	20" Media Filter	2"	1	250	54	
AT 23MF24	24" Media Filter	2"	1	360	80	
AT 23MF36	36" Media Filter	3"	1	800	176	
AT 23MF48	48" Media Filter	3"	1	1,300	310	
AT 23MFBS3602	36" Media Filter Battery	6"	2	720	80 - 160	
AT 23MFBS3603	36" Media Filter Battery	6"	3	1,080	160 - 240	
AT 23MFBS4802	48" Media Filter Battery	8"	2	2,600	400 - 600	
AT 23MFBS4803	48" Media Filter Battery	8"	3	3,900	600 - 900	

Netafim has introduced SANDSTORM; a robust media filter that keeps your water and business flowing smoothly. There are two types of the Sandstorm Filters - metal and non-corrosive.

Advantages of this product include:

- Single chamber filter allows for efficient filtration and backflush uniformity.
- Large top and side access ports make loading media and conducting maintenance easier.
- Two-layer coating for industry-leading high corrosion and UV protection.
- Injection molded PVC underdrain system with mushrooms and slots provides cleaning across the entire sand media bed.
- Modular manifolds for simple and flexible assembly and expansion.
- Wide range of tank diameters and configurations to address all application needs.



30" & 36" Tanks



48" Tanks



Sandstorm Media Filters Specifications

- Flow Range: 174 to 330 GPM
- Max Operating Pressure: 115 psi
- Backflushing Flow Rate: 125 to 290 GPM

Consult with your expert Sales Team for ordering your Sandstorm Media Filter today!

PRESSURE REGULATORS



3/4" Pressure
Regulator
(1 spring)



1 1/2" Pressure
Regulator
(2 spring)



2" Pressure
Regulator
(4 spring)



2" Pressure
Regulator
(6 spring)



3" Pressure
Regulator (10
spring)



Senninger
Pressure
Regulator
for Above or
Below Ground
Installation

Install after valve only.

Pressure
Recommendations

PSI	Application
12	Thinwall Dripperline
15	Thinwall Dripperline
20	Non-PC Dripper
25	Spray Stake
30	
35	PC Dripper
43	Micro Sprinkler

Netafim Pressure Regulators

Part #	Size	Description	PSI	# of Springs	GPM	Price
AT 32PRV07512	3/4"	Plastic, FIPT x MIPT	12	1	3.5 to 20	
AT 32PRV07520	3/4"	Plastic, FIPT x MIPT	20	1	3.5 to 20	
AT 32PRV07535	3/4"	Plastic, FIPT x MIPT	35	1	3.5 to 20	
AT 32PRV07543	3/4"	Plastic, FIPT x MIPT	43	1	3.5 to 20	
AT 32PRV1512	1 1/2"	Plastic, MIPT x MIPT	12	2	7 to 40	
AT 32PRV1515	1 1/2"	Plastic, MIPT x MIPT	15	2	7 to 40	
AT 32PRV1520	1 1/2"	Plastic, MIPT x MIPT	20	2	7 to 40	
AT 32PRV1525	1 1/2"	Plastic, MIPT x MIPT	25	2	7 to 40	
AT 32PRV1535	1 1/2"	Plastic, MIPT x MIPT	35	2	7 to 40	
AT 32PRV1543	1 1/2"	Plastic, MIPT x MIPT	43	2	7 to 40	
AT 32PRV2415	2"	Brass, FIPT x FIPT	15	4	15 to 80	
AT 32PRV2420	2"	Brass, FIPT x FIPT	20	4	15 to 80	
AT 32PRV2425	2"	Brass, FIPT x FIPT	25	4	15 to 80	
AT 32PRV2435	2"	Brass, FIPT x FIPT	35	4	15 to 80	
AT 32PRV2443	2"	Brass, FIPT x FIPT	43	4	15 to 80	
AT 32PRV2615	2"	Brass, FIPT x FIPT	15	6	25 to 120	
AT 32PRV2625	2"	Brass, FIPT x FIPT	25	6	25 to 120	
AT 32PRV2635	2"	Brass, FIPT x FIPT	35	6	25 to 120	
AT 32PRV31015	3"	Brass, FIPT x FIPT	15	10	35 to 200	
AT 32PRV31035	3"	Brass, FIPT x FIPT	35	10	35 to 200	

Senninger Pressure Regulators

Part #	Size	Description	PSI	GPM	Price
AY PMR-12LF	3/4"	Low Flow, FIPT x FIPT	12	0.1 to 8	
AY PMR-20LF	3/4"	Low Flow, FIPT x FIPT	20	0.1 to 8	
AY PMR-25LF	3/4"	Low Flow, FIPT x FIPT	25	0.1 to 8	
AY PMR-30LF	3/4"	Low Flow, FIPT x FIPT	30	0.1 to 8	
AY PMR-10MF	3/4"	Medium Flow, FIPT x FIPT	10	4 to 16	
AY PMR-15MF	3/4"	Medium Flow, FIPT x FIPT	15	2 to 20	
AY PMR-25MF	3/4"	Medium Flow, FIPT x FIPT	25	2 to 20	
AY PMR-30MF	3/4"	Medium Flow, FIPT x FIPT	30	2 to 20	
AY PMR-40MF	3/4"	Medium Flow, FIPT x FIPT	40	2 to 20	
AY PMR-50MF	3/4"	Medium Flow, FIPT x FIPT	50	2 to 20	
AY PMR-15MF1	1"	Medium Flow, FIPT x FIPT	15	2 to 20	
AY PMR-40MF1	1"	Medium Flow, FIPT x FIPT	40	2 to 20	
AY PR-10HF	1 1/4" x 1"	High Flow, FIPT x FIPT	10	10 to 32	
AY PR-15HF	1 1/4" x 1"	High Flow, FIPT x FIPT	15	10 to 32	
AY PR-20HF	1 1/4" x 1"	High Flow, FIPT x FIPT	20	10 to 32	
AY PR-30HF	1 1/4" x 1"	High Flow, FIPT x FIPT	30	10 to 32	
AY PR-40HF	1 1/4" x 1"	High Flow, FIPT x FIPT	40	10 to 32	
AY PR-50HF	1 1/4" x 1"	High Flow, FIPT x FIPT	50	10 to 32	

AIR VENTS & FLUSH ASSEMBLIES

Air/Vacuum Relief Vents are an important component in an Irrigation System. Their first role is to expel the air trapped in the irrigation system which dampens water hammer, and prevents ruptures and cracking. Their second role is to relieve the vacuum caused when the system/zone is shut down. This prevents the collapse of pipes and the suction of soil into dripperlines. Continuous Acting Vents will also expel air while the system is pressurized. Continuous Combination Vents are placed at:

- Pump stations
- Filter stations
- High points in the pipe network
- Upstream of manifolds

Guardian Vents are commonly used downstream of valves &

Air/Vacuum Relief Vents

Part #	Description	Price
AT 65ARIB2PRO	2" High Capacity Continuous Vent	
AT 65AR1B2PP	2" Combination (Plastic) (MIPT)	
AT 65AR1B1	1" Combination (MIPT)	
AT 65AR1A2	2" Guardian (FIPT)	
AT 65AR1A100	1" Guardian (MIPT)	
GA FV0150	1.5" Orchard Air Vent/Flush Out Assembly	
GA FV02	2" Orchard Air Vent/Flush Out Assembly	
GA FV2	2" Header Air Release / Flush Out Assembly	
GA FV3	3" Header Air Release/Flush Out Assembly	
GA FV4	4" Header Air Release/Flush Out Assembly	



2" High Capacity Continuous Vent

2" Combination Air/Vacuum Relief & Continuous Acting Air Vent (MIPT)

1" Combination Air/Vacuum Relief & Continuous Acting Air Vent (MIPT)

2" Guardian Air/Vacuum Relief Air Vent (FIPT)

1" Guardian Air/Vacuum Relief Air Vent (MIPT)

1.5" Orchard Air Vent/Flush Out Assembly

2" Orchard Air Vent/Flush Out Assembly:
Pre-assembled with 2" Slip Connection, 2" Gate Valve, PVC Fittings & Relief Vent.

Header Air Release/Flush Out:
Pre-assembled with Female Cam, 2" Gate Valve, PVC Fittings & Relief Vent.



FLOW METERS

Both the Model IRT & WST are cast iron construction with a maximum working pressure of 230 psi and may be installed in a vertical, horizontal or oblique position. Both models are available with a Totalizer Register or a battery powered Digital Rate of Flow Register. The Rate of Flow Register not only keeps a total

of gallons pumped but also displays the flow while operating in gallons per minute.

The Model IRT is a great economic solution for your monitoring needs. The Model WST features a very wide flow range, precision straightening vanes and low wear, long life impeller shaft & bearings. The WST also has shorter installation requirements which make plumbing in tight situations much easier.

The Octave Ultrasonic Water Meter is cast iron construction with a maximum working pressure of 230 psi. The vacuum sealed and tamper proof register provides durability and long-term performance. The multi-line digital LCD readout display provides immediate reporting and visual indicators. Each octave meter is pre-programmed before shipment for an instantaneous flow rate in GPM, and the specified user's requirements for Volume Totalizer Units and Output Resolution for Optional Pulsed Output.



IRT Series Water Meter

WST Series
Water Meter



Octave Ultrasonic
Water Meter

Netafim Flow Meters

Part #	Size	Model & Register	Flow Range, GPM*	Price
AT 36IRT3F	3"	IRT, Totalizer	45 - 515	
AT 36IRT4F	4"	IRT, Totalizer	50 - 715	
AT 36IRT6F	6"	IRT, Totalizer	65 - 1,430	
AT 36IRT8F	8"	IRT, Totalizer	130 - 2,574	
AT 36IRT3F	3"	IRT, Digital	45 - 515	
AT 36IRT4F	4"	IRT, Digital	50 - 715	
AT 36IRT6F	6"	IRT, Digital	65 - 1,430	
AT 36IRT8F	8"	IRT, Digital	130 - 2,574	
AT 36WST6F	6"	WST, Totalizer	15 - 1,489	
AT 36WST6FMPE	6"	WST, Rate of Flow	15 - 1,489	
AT 36OCT06GAL10	6"	Octave, Digital	3-1,500	

Installation Requirements:

For 3" to 8" Model IRT Flow Meters, a straight length of pipe, of the same size, 10 x diameter before and 5 x after, for accuracy within $\pm 2\%$.

For 3" to 8" Model WST Flow Meters, a straight length of pipe, of the same size, 5 x diameter before and 2 x after, for accuracy within $\pm 2\%$.

For Octave Meters, 2 diameters of straight pipe are required before or after when installing a 90° elbow, or before a tee connection for accuracy within $\pm 1.5\%$.

Flow Meters with Totalizer Register include a Pulse Reed Switch for pulsed output. 3" & 4" = 10 gal. per pulse, 6" & 8" = 100 gal. per pulse.

Listed here is only a small number of available models, registers & sizes. Contact our expert Sales Team for other ordering options.

Netafim Flow Meters are for irrigation water only.

FERTILIZER INJECTORS

Introducing the competitive MixRite Fertilizer Injector from Israel. MixRites are simple, accurate and reliable to operate; water flow drives a piston which then draws the solution from a tank. This solution is added constantly in proportion with the water flow to maintain the precise ratio. Ratio's are easy to adjust to meet the changing needs of your crop. MixRite works great for:

- Fertigation
- Disinfecting
- Medication
- pH Control
- EC Control

Our favourite MixRite feature is how incredibly easy it is to replace seals. MixRite stands out for making the process low cost and simple. Included with each MixRite is a full set of replacement seals.



A570 MixRite
3/4" MIPT
Includes suction
hose & screen,
and mounting
bracket.



TF5-002 MixRite
1" MIPT
Includes suction
hose & screen, and
mounting bracket.

MixRite Fertilizer Injector

Part #	Model	Pressure Range, PSI	Flow Range, GPM	Feed Ratio	Price
AT META2502	A570	3 to 120	0.1 to 11	0.3 to 2.0%	
AT METATF5	TF5-002	15 to 120	0.8 to 22	0.2 to 2.0%	
AT METATF10	TF10-002	15 to 120	2 to 45	0.2 to 2.0%	
AT METATF25	TF25-002	15 to 120	5 to 110	0.3 to 2.5%	



TF10-002 MixRite
1 1/2" MIPT
Includes suction
hose & screen, and
mounting bracket.
Shown with
optional leg stand.



TF25-002 MixRite
2" MIPT
Includes suction
hose & screen,
leg stand, and
mounting bracket.

Looking for a MixRite Injector with different feed ratios? Pulse transmitting, fixed Rate, dosing by pass or injectors for chlorination and harsh chemicals? MixRite makes many more injectors to suit a wide variety of applications.

FERTILIZER INJECTORS

Mazzei Injectors are high efficiency, Venturi-type, differential pressure injectors. With no moving parts and molded from chemical resistant polypropylene, Mazzei Injectors are both trouble free and durable. Listed here are only a small number of injector models available from Mazzei. We also fabricate Injector Manifolds in both PVC & Aluminum.

Contact your Sales Rep for more information.

Assembled 1 1/2" Mazzei Injector on 4" Wade Rain Manifold



Mazzei Injector



Assembled 3/4" Mazzei Injector on 2" Manifold



Mazzei Fertilizer Injector

Part #	Model	Description	Motive Flow, GPM	Suction Flow, GPH	Price
AC I0283	283	1/2", MIPT x MIPT	0.2 to 0.8	1.1 to 6.0	
AC I0684	684	3/4", MIPT x MIPT	3.5 to 17.2	6.6 to 25.0	
AC I1078	1078-2	1", MIPT x MIPT	5.5 to 26.8	17.0 to 94.5	
AC I1583A	1583A	1 1/2", MIPT x MIPT	10.7 to 48.0	18.3 to 232	
AC I2081	2081	2", MIPT x MIPT	32.4 to 158.0	61.0 to 631.0	
AC IK184	Suction Assembly for 3/4" Mazzei Injectors				
AC IK183	Suction Assembly for 1" & 1 1/2" Mazzei Injectors				
AC IK282	Suction Assembly for 2" Mazzei Injectors				
GA FIM2	684	Assembled 2" Mazzei Injector Manifold, Slip by Slip (PVC).			
GA FIM3	1078-2	Assembled 3" Mazzei Injector Manifold, Slip by Slip (PVC).			
GA FIW4	1583A	Assembled 4" Mazzei Injector Manifold, Male Wade Rain by Wade Rain Coupler (Fem.).			
GA FM04	1583A	Assembled 4" Mazzei Injector Manifold, Groove by Wade Rain Coupler (Fem.).			
GA FM06	1583A	Assembled 6" Mazzei Injector Manifold, Groove by Wade Rain Coupler (Fem.).			
GA FM08	2081	Assembled 8" Mazzei Injector Manifold, Flange by			

The FertiKit 3G is a fully configurable fertilizer/acid dosing unit. It can accommodate a variety of dosing channels, boosters, NMC Controllers, peripherals and accessories to meet a vast range of applications and infrastructure constraints.

Basic functions include: controlled mixing of fertilizers/acids with source water into a homogenous nutrient solution, EC/pH correction of nutrient solution and water pre-treatment.

Please contact your Sales Team more information on ordering this product.

DON'T COMPROMISE YOUR IRRIGATION WITH LEAKY LAYFLAT PRODUCTS

Our revolutionary leak-free flexible mainline and sub-mainline piping solution - FlexNet™. When compared to a typical layflat installation, you'll save 20-30% on labor costs because FlexNet has integral welded connectors. It's time to increase your bottom line with this foldable, movable and affordable flexible pipe.

FlexNet™

A reliable, durable, simple and light-weight flexible pipe that withstands the toughest climatic and environmental conditions.



- **Low Pressure Rating is Ideal for Vegetable Crops**
Pressure rating for 2" is 36 psi, 3" is 26 psi and 4" is 22 psi
- **Quick Assembly with Integral Welded Connectors**
Ensure a secure, leak-free connection between distribution pipes and laterals - 1/2" female threaded connection
- **Easy Roll Up and Storage**
Flexible and light-weight for maximum portability and quicker movement from field to field
- **Agro-Machinery Friendly**
When not pressurized, it can be stepped on or driven over
- **Low Expansion Rate**
Pipe lays flat, has zero axial elongation and will not tangle or bend



(888) 638-2346 www.netafimusa.com



CONTAINER IRRIGATION



Netafim Plastic Weight Assemblies are available in several lengths and in your choice of white or black tubing with weight. Each assembly has a 0.5 GPH Pressure Compensated Dripper with CNL Check Valve to prevent line drainage.

Netafim's SlimLine
Weight for Hanging
Baskets



Plastic Weight Assembly

Part #	Tube Length	Tube Colour	Weight	Price
AT 01-HBA2W-18	18"	White	SlimLine	
AT 01-HBA2W-24	24"	White	SlimLine	
AT 01-HBA2W-30	30"	White	SlimLine	
AT 01-HBA2W-36	36"	White	SlimLine	
AT 01-HBA2W-42	42"	White	SlimLine	



Netafim Multi-Outlet (MOD) Assemblies are available in several lengths, with your choice of white or black tubing, straight or angled stakes and stackable units. Please order the Pressure Compensated Dripper (2.0 GPH) with CNL Check Valve separately.

Multi-Outlet (MOD) Dripper Assembly

Part #	Tube Length	Tube Colour	Stake	Price
4-Way Manifold:				
AT 014DM1818	4 @ 18"	Black	Straight	
AT 014DM2424	4 @ 24"	Black	Straight	
AT 014DM2424W	4 @ 24"	Black	Straight	
AT 014DM2424ANGW	4 @ 24"	White	Angled	
AT 014DM3030	4 @ 30"	Black	Straight	
AT 014DM3030ANGW	4 @ 30"	White	Angled	
AT 014DM3636	4 @ 36"	Black	Straight	
4-Way Stackable Manifold:				
AT 014DMS-2424	4 @ 24"	Black	Straight	
Dripper for MOD:		Pressure Compensated 2.0 GPH with CNL Check Valve		
AT 01-WPCJL-8N0				



See page 39 for Plastic Weights & MOD Assembly components.

CONTAINER IRRIGATION

Spray Stake Assemblies work very well for large nursery pots & pot-in-pot systems. Available pre-assembled, Spray Stakes work great for containers that dry out quickly or need higher flows. PCNL Spray Stakes are pressure compensated with integral check valves. This ensures all of the containers on a line receive the same amount of water & fertilizer, preventing over watering from supply lines draining into the lowest container.

Spray Stakes

Part #	Description	GPH	Price
AT 01-SSAYL-36	Assembly, Barb Adapter, 36" Black Tubing & Yellow Stake	3.0	
AT 01-SSY	Yellow Spray Stake	3.0	
AT 01-SSG	Green Spray Stake	6.0	
AT 01-SSB	Black Spray Stake	7.0	

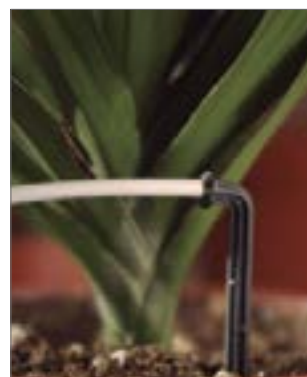
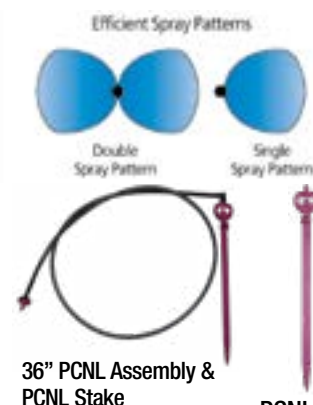
PCNL - Spray Stakes

Part #	Description	Order Stake	GPH	Price
AT 01PSD032-36	Assem., Plum Dripper, 36" Black Tubing & 5mm Elb.	Plum	3.2	
AT 01PSD066-36	Assem., Orange Dripper, 36" Black Tubing & 5mm Elb.	Grey	6.6	
AT 01PSD079-36	Assem., Brown Dripper, 36" Black Tubing & 5mm Elb.	Brown	7.9	
AT 01PSD106-36	Assem., Blue Dripper, 36" Black Tubing & 5mm Elb.	Blue	10.6	
Spray Stakes for PCNL assemblies are ordered separately				
AT 01PSDSPL1	PCNL, Plum Single Spray Stake			
AT 01PSDSGY1	PCNL, Grey Single Spray Stake			
AT 01PSDSGY2	PCNL, Grey Double Spray Stake			
AT 01PSDSBR1	PCNL, Brown Single Spray Stake			
AT 01PSDSBR2	PCNL, Brown Double Spray Stake			
AT 01PSDSBL1	PCNL, Blue Single Spray Stake			
AT 01PSDSBL2	PCNL, Blue Double Spray Stake			

Pressure Compensating Angle Barbed Stake Assemblies are available in 30" or 36" lengths, in white or black. These assemblies are a great choice for greenhouse vegetable production.

P.C. Angle Stake Assembly

Part #	Tube Length	GPH	Tube Colour	Price
AT 01-WPCJL2AW-30	30"	0.5	White	
AT 01-WPCJL2AW-36	36"	0.5	White	
AT 01-WPCJL3AW-30	30"	0.74	White	
AT 01-WPCJL3AW-36	36"	0.74	White	
	30"	0.5	Black	



See page 39 for P.C. Angle & Spray Stake Assembly components.

DRIPPERS

WPC JR. DRIPPER



Part #	Connection	Colour	GPH	Price
AT 01-WPCJL-2	Barb x Barb	Red	0.5	
AT 01-WPCJL-3	Barb x Barb	Blue	0.74	
AT 01-WPCJL-4	Barb x Barb	Grey	1.0	
AT 01-WPCJL-12	Barb x Barb	Plum	3.2	
AT 01-WPCJL-25	Barb x Barb	Orange / Grey	6.6	
AT 01-WPCJL-30	Barb x Barb	Orange / Brow	7.9	
AT 01-WPCJL-40	Barb x Barb	Orange / Blue	10.6	
AT 01-WPCJL-2NO	Barb x Hub	Red	0.5	
AT 01-WPCJL-4NO	Barb x Hub	Grey	1.0	
AT 01-WPCJL-8NO	Barb x Hub	Green	2.0	

WPC DRIPPER



Part #	Connection	Colour	GPH	Price
AT 01-WPC-2	Barb x Hub	Red	0.5	
AT 01-WPC-4	Barb x Hub	Black	1.0	
AT 01-WP-8	Barb x Hub	Black	2.0	

WP DRIPPER



Part #	Connection	Colour	GPH	Price
AT 01-WP-2	Barb x Barb	Red	0.5	
AT 01-WP-4	Barb x Barb	Black	1.0	
AT 01-WP-8	Barb x Barb	Green	2.0	

BUTTON DRIPPER



Part #	Connection	Colour	GPH	Price
AT 01-BD-2	Barb	Red	0.5	
AT 01-BD-4	Barb	Black	1.0	
AT 01-BD-8	Barb	Green	2.0	
AT 01-PC-4	Barb	Black	1.0	

Drippers with barb x barb connections fit 0.125" x 0.197" Spaghetti Tubing, (AA 125-197V).
Drippers with barb x hub connections fit either MOD Manifold or 0.160" x 0.220" Spaghetti Tubing, (AA 160-220V).

TUBING

Netafim Tubing & Spaghetti Tubing

Part #	Description	Colour	Length	Price
Netafim Tubing (Plain):				
AT 520-620-100	16 mm, 0.52" x 0.62"	Black	100'	
AT 520-620-500	16 mm, 0.52" x 0.62"	Black	500'	
AT 520-620-1000	16 mm, 0.52" x 0.62"	Black	1,000'	
AT 520-620-1000W	16 mm, 0.52" x 0.62"	White	1,000'	
AT 600-700-100	18 mm, 0.60" x 0.70"	Black	100'	
AT 600-700-500	18 mm, 0.60" x 0.70"	Black	500'	
AT 600-700-1000	18 mm, 0.60" x 0.70"	Black	1,000'	
AT 600-700-1000W	18 mm, 0.60" x 0.70"	White	1,000'	
AT 820-940-500	20 mm, 0.82" x 0.94"	Black	500'	
AT 820-940-500W	20 mm, 0.82" x 0.94"	White	500'	
AT 106-120-500	1", 1.06" x 1.20"	Black	500'	
AT 106-120-500W	1", 1.06" x 1.20"	White	500'	
Netafim Tubing: (Pre-Punched):				
AT 520-620-100024	16 mm, 0.52" x 0.62", 24" spacing	Black	1,000'	
AT 520-620-1000W24	16 mm, 0.52" x 0.62", 24" spacing	White	1,000'	
AT 600-700-100024	18 mm, 0.60" x 0.70", 24" spacing	Black	1,000'	
AT 600-700-1000W24	18 mm, 0.60" x 0.70", 24" spacing	White	1,000'	
AT 106-120-25036	1", 1.06" x 1.20", 36" spacing	Black	250'	
AT 106-120-50036	1", 1.06" x 1.20", 36" spacing	Black	500'	
AT 106-120-50036W	1", 1.06" x 1.20", 36" spacing	White	500'	
Spaghetti Tubing				
AA 125-197V1000	For Drippers with barbs & MOD	Black	1,000'	
AT 15FPEW53	For Drippers with barbs & MOD	White	1,000'	
AA 160-220V1000	For Drippers with hubs	Black	1,000'	
AT 15FPE53	For Spray Stakes	Black	3,000'	
AT MVU500	For Sprinklers & Foggers	Blue	500'	
Pre-Cut Spaghetti				
AT 15FPEW53-18	100 per bundle	White	18"	
AT 15FPEW53-24	100 per bundle	White	24"	
AT 15FPEW53-30	100 per bundle	White	30"	
AT 15FPEW53-36	100 per bundle	White	36"	
AT15PVC53-12	100 per bundle	Black	12"	
AT15PVC53-18	100 per bundle	Black	18"	
AT15PVC53-24	100 per bundle	Black	24"	
AT15PVC53-30	100 per bundle	Black	30"	
AT15PVC53-36	100 per bundle	Black	36"	
AT15PVC53-42	100 per bundle	Black	42"	
Pre-Cut Drop				
AT MBE12B	50 per bundle	Blue	12"	
AT MBE18B	50 per bundle	Blue	18"	
AT MBE24B	50 per bundle	Blue	24"	
AT MBE30B	50 per bundle	Blue	30"	
AT MBE36B	50 per bundle	Blue	36"	
Assembled Drop				
AT 0300HSAC24	25 per bundle	White	24"	



Spaghetti Tubing for Dripper Assemblies, MOD's and "Blue" Drop Tube for Micro Sprinklers & Foggers are available by the roller or bundle of pre-cuts in popular sizes.



Spaghetti & Netafim Tubing will not breakdown in sunlight.

Tubing for Drippers with barbs & MOD Assemblies:

Tubing for Sprinklers & Foggers with barb x barb connector

Tubing for Netafim Sprinklers includes: barb x barb connector, drop tube, weight & sprinkler connector

DRIPPER COMPONENTS

Dripper Assembly & Micro-Sprinkler Components

	Part #	Description	Price
Components for Plastic Weight Assemblies:			
	AT 11-07008SC	White Plastic SlimLine Weight	
	AT 11-07008L	Red Plastic Weight with Shut-Off	
Components for Multi-Outlet Drinker Assemblies:			
	AT 01-ADP2WPF	2-Way Manifold (flat)	
	AT 01-ADP4WPF	4-Way Manifold (flat)	
	AT 01-ADP4WPFS	4-Way Manifold (stackable)	
	AT 01-MOD-SO	Arrow Dripper	
	AT 01-MOD-S	Arrow Dripper with Plug	
	AT 01-MODSA-ANG	Angle Arrow Dripper	
	AT 11-01001B	Angle Barb Stake	
Components for P.C. Angle Stake Assemblies:			
	AT 11-09005	5mm Connector Barb x Insert	
Components for Spray Stake Assemblies:			
	AT 11-09006	5mm Connector Barb x Thread	
	AT MJBBXB9	Barbed Connector for "Blue" Drop Tubing	
	AT MW035	Orange Weight	
Components for Micro Sprinklers:			
	AX XMV-025	Micro-Valve, 1/4" Barb x Barb	

DRIP TOOLS

Punches for Drippers, Dripperlines & Micro-Sprinklers

	Part #	Description	Price
Punches for Drippers & Micro-Sprinklers:			
	AA DP4R	Blue Handled, Pliers Punch, 0.16" hole, fits 16 & 18mm Netafim Tubing	
	AT 77-99700	4/7 Punch	
	AT 682901033	Blue 3mm Punch	
	AT 31AP025	2.5mm Ejector Punch	
	BE RP	Red Handle Economy Punch	
	AA DPA2	2mm Pliers Punch Adjustable to 16mm up to 32mm Tubing	
Punches for Dripperlines:			
	AT 31ACT400	Red Handled Punch for 0.4" Barb (Flatube)	
	AT 31ACT400B	Blue Handled Ejector Punch for 0.4" Barb (Flatube)	
Wire Ties for Thinwall Dripperlines:			
	AT WIRETIE6	6" Stainless Steel Wire Tie for 5/8" Drip line connection	
	AT WIRETIE7	7" Stainless Steel Wire Tie for 7/8" Drip line connection	
	AT WIRETOOL	Wire Tie Swivel Tightener Tool	

FOGGERS - MISTERS - MICRO SPRINKLERS

CoolNet
Fogger



VibroNet
Mister



VibroSpine
(upright
mount only)



SpinNet



Netafim
Hanging
Assembly

Barbed
Connector

Blue Drop Tube



Netafim Greenhouse Sprinklers

Part #	Description	Price
CoolNet Fogger:		
AT 0303420LL	4-Way fogger with cross & LPD, 1.9 GPH per nozzle.	
VibroNet:		
AT 0354040	Mister (blue), 9.2 GPH	
AT 0354050	Mister (green), 11.7 GPH	
AT 0302210B	VibroSpine HF, 1 GPM, 1/2" FIPT	
SpinNet:		
AT 03551200070BL	Blue spinner, red body, red anti-mist & LPD, 18.4 GPH	
AT 03551600090GL	Green spinner, brown body, brown anti-mist & LPD, 23.4 gph	
AT 03551600090B	Blue spinner, brown body, brown anti-mist & LPD, 23.4 GPH	
AT 03551200070L	Grey spinner, red body, red anti-mist & LPD, 18.4 GPH	
AT 03551200070GL	Green spinner, red body, red anti-mist & LPD, 18.4 GPH	
AT 03552000090L	Grey spinner, yellow body, brown anti-mist & LPD, 23.0 GPH	
Fittings:		
AT 0340017	Netafim Leak Protection Device	
AT 03228	Female x 3/8" Taper Thread	
AT 77-GROMET	Grommet for 3/8" Thread	
AT 03220B	Female x Barb	
AT 03208	Male x Male	
AT 03302B	Netafim Fem. x Dan Fem.	
AT 03301B	Plug	

Leak
Protection
Device (LPD)



Female x
3/8" Thread



Grommet
for 3/8" Thread



Female
x Barb



Male
x Male



Netafim
Female x
Dan Female



Plug



Orange
Weight



Female x Barb



Leak
Prevention
Device (LPD)



CoolNet,
VibroNet or
SpinNet

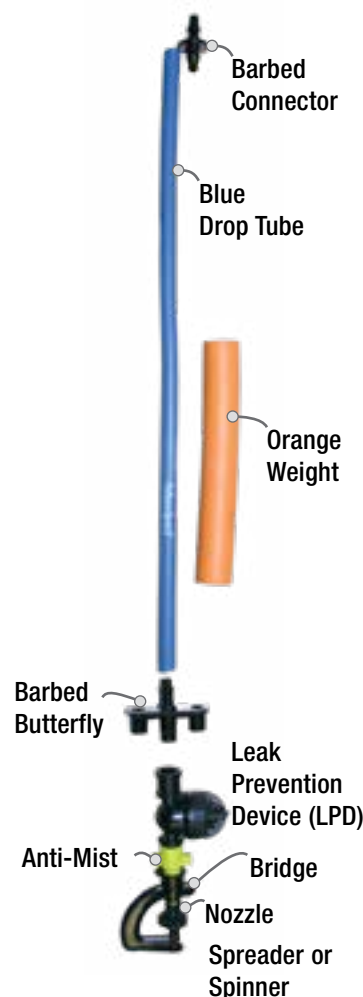


FOGGERS - MISTERS - MICRO SPRINKLERS

Dan Greenhouse Sprinklers

Part #	Description	Price
Assemblies:		
AT 11252395	Orange Noz. & Anti-Mist, Black Round Spinner & LPD	
AT 11252396	Yellow Noz. & Anti-Mist, Black Round Spinner & LPD	
AT 11254595	Orange Noz. & Anti-Mist, Green Spinner & LPD	
AT 11254596	Yellow Noz. & Anti-Mist, Green Spinner & LPD	
Components:		
AT 77-930504	Violet Noz., 9.2 gph	
AT 77-930500	Brown Noz., 11.4 gph	
AT 77-930509	Grey Noz., 18.5 gph	
AT 77-930502	Green, Noz. 27.7 gph	
AT 77-930505	Orange Noz., 31.7 gph	
AT 77-930506	Yellow Noz., 42.3 gph	
AT 77-930503	Blue Noz., 52.8 gph	
AT 77-930507	Red Noz., 68.7 gph	
AT 77-930508	Black Noz., 79.3 gph	
AT 77-930208	Black Round Spinner	
AT 77-930212	Green Spinner	
AT 77-930305	Oblong Orange Spinner	
AT 77-930308	Single Wing Black Spinner	
AT 77-930704	Violet Misting Spreader	
AT 77-930706	Yellow Flat Spreader	
AT 77-930705	Orange Spreader (Small Diam.)	
AT 77-930702	Black 90 Degree	
AT 77-930707	Red 180 Degree	
AT 77-930703	Blue Spray Strip	
AT 77-942002	Green Anti-Mist, 10.6 gph	
AT 77-942004	Orange Anti-Mist, 18.5 gph	
AT 77-942006	Yellow Anti-Mist, 23.8 gph	
AT 77-942003	Blue Anti-Mist, 23.8 gph	
AT 77-033103	Blue, Fogger 1.8 gph	
AT 77-033105	Orange, Fogger 3.6 gph	
AT 77-033107	Red Fogger, 5.4 gph	
AT 11-790308	LPD for Sprinklers (Black)	
AT 77-093123	LPD for Foggers (Blue)	
AT 77-930100	Bridge for Sprinklers	
AT 77-942200	4-Way Cross	
AT 77-942008	Plug	
AT 77-995008	12" Black Stake	
AT 77-941008	Barbed Butterfly	
AT 77-943333	3/8" Butterfly	
AT 77-941103	3/16" Butterfly	
AT 77-941508	3/8" by Barb Butterfly	
AT 77-935108	1/2" MIPT Adapter	
AT 77-GROMET	Grommet for 3/8" Thread	

Dan Hanging Assembly



Dan Fogger



See page 38 for Blue Drop Tube and page 39 for more Components.

RAINSTAR E



Bauer's Rainstar E Traveller, is our most popular choice for supplying a large water volume when & where you need it. Rugged, flexible and durable are the cornerstones of Bauer's design strategy.

With an impressive list of standard features and options, Bauer delivers travellers that adapt perfectly to your specific needs.

The RAINSTAR Traveller is a popular choice to irrigate Tobacco, Vegetable, Horticulture, & Nursery Crops.

Overview of Options

Easily control each traveller pull with the Ecostar 6000. This new controller will also log/analyze irrigation data and integrates with Bauer's SmartRain App.



NEW

A traveller full of water may add up to 9,200 additional pounds of weight. A PTO Driven Blow-Out Compressor will force the water out the PE-Pipe, making the traveller much safer and easier to move.



The TVR 60, radial full-flow turbine with Vario Nozzle Flow Control delivers extremely low pressure loss, saving money & energy while providing precise and uniform retraction over a wide performance range.



4-Wheel Fixed Tandem Axle, and 4-Wheel Swing Axles, along with Flotation Tires, for transport safety and reducing soil compaction.



Hydraulic or Mechanical Swivel Aid makes for light work of traveller set-up and positioning.



Special material composition and processing of Bauer heavy duty PE-Pipe ensures long lasting, even under the toughest conditions.



Unit Connection on both sides means a fast and convenient hook up with no repositioning of supply line.



Winding Gear & Guide ensures a precise and uniform retrieval of PE-Pipe.



Turn Table allows you to turn reels effortlessly to any position.



MOBILE IRRIGATION MANAGEMENT SYSTEM



Mobile, high tech management for BAUER Irrigation Systems.

- Automatic Remote Start/Stop for RAINSTAR
- Automatic Remote Pump Start/Stop
- Automatic Error Messaging
- Flow Monitoring
- Reporting
- Optional Weather Station
- Optional Moisture Sensors

Irrigator is ready.
Is the transfer to the
next field organized?

Irrigator stopped
5 hours ago

Actual information of the
field and the irrigator via
one mouse click

Irrigator is ready in
35 min. Transfer can
be organized.

Field has to
be irrigated

IRRIGATION LEGEND	
	0 - 1 Days
	2 - 3 Days
	4 - 5 Days
	6 - 7 Days
	8 - 9 Days
	From Days



RAINSTAR E

Models & Performance

Models	Hose I.D.	Hose Length	Gun Model	Noz. Size	P.S.I. @ Gun	U.S. G.P.M.	Strip* Width	Acres Irr. / Strip	App. Time 1" / Strip	Price
E₁₁	100 - 380	3.3"	1,250'	SR150	0.9"	70	200	275'	8.8	19.8 h
				SR150	1.0"	75	250	300'	9.6	17.5 h
				SR150	1.1"	80	315	320'	10.4	14.9 h
	110 - 300	3.7"	984'	SR150	1.0"	70	245	290'	7.5	13.9 h
				SR150	1.1"	75	300	315'	8.3	12.5 h
				SR150	1.2"	80	380	330'	8.7	10.4 h
	110 - 350	3.7"	1,150'	SR150	1.0"	70	245	290'	8.6	15.9 h
				SR150	1.1"	75	300	315'	9.5	14.3 h
				SR150	1.2"	80	380	330'	10.0	11.9 h
E₂₁	110 - 400	3.7"	1,312'	SR150	0.9"	70	200	275'	9.2	20.7 h
				SR150	1.0"	75	245	300'	10.1	18.6 h
				SR150	1.1"	80	315	320'	10.8	15.6 h
	110 - 420	3.7"	1,380'	SR150	0.9"	70	200	275'	9.6	21.7 h
				SR150	1.0"	75	245	300'	10.5	19.5 h
				SR150	1.1"	80	315	320'	11.3	16.3 h
	120 - 300	3.9"	984'	SR200	1.1"	70	295	305'	8.0	12.2 h
				SR200	1.2"	75	370	320'	8.4	10.3 h
				SR200	1.3"	80	445	350'	9.3	9.5 h
E₃₁	110 - 450	3.7"	1,476'	SR150	0.9"	70	200	275'	10.2	23.1 h
				SR150	1.0"	75	245	300'	11.2	20.7 h
				SR150	1.1"	80	315	320'	12.0	17.3 h
	125 - 310	4.0"	1,017'	SR200	1.1"	70	295	275'	7.3	11.2 h
				SR200	1.2"	75	370	320'	8.6	10.6 h
				SR200	1.3"	80	445	350'	9.6	9.7 h
	125 - 350	4.0"	1,150'	SR200	1.1"	70	295	305'	9.1	14.0 h
				SR200	1.2"	75	370	320'	9.6	11.8 h
				SR200	1.3"	80	445	350'	10.6	10.8 h

*Based on 85% of wetted diameter.

RAINSTAR E

Models & Performance

Models	Hose I.D.	Hose Length	Gun Model	Noz. Size	P.S.I. @ Gun	U.S. G.P.M.	Strip* Width	Acres Irr. / Strip	App. Time 1" / Strip	Price
E₄₁	125 - 380	4.0"	1,250'	SR200	1.1"	70	295	275'	8.8	13.5 h
				SR200	1.2"	75	370	330'	10.7	13.1 h
				SR200	1.3"	80	445	350'	11.4	11.7 h
	125 - 400	4.0"	1,312'	SR200	1.1"	70	245	275'	9.2	16.9 h
				SR200	1.2"	75	370	330'	11.2	13.7 h
				SR200	1.3"	80	380	350'	11.9	14.2 h
	140 - 350	4.5"	1,150'	SR200	1.2"	70	355	320'	9.6	12.3 h
				SR200	1.3"	75	430	350'	10.6	11.2 h
				SR200	1.4"	80	515	375'	11.5	10.1 h
E₅₁	110 - 650	3.4"	2,130'	SR150	0.8"	70	200	375'	12.7	28.7 h
				SR150	0.9"	75	245	300'	13.9	25.7 h
				SR150	1.0"	80	315	320'	14.9	21.4 h
	120 - 570	3.7"	1,870'	SR150	0.9"	70	482	341'	10.4	12.0 h
				SR150	1.0"	75	369	361'	9.9	9.5 h
				SR150	1.1"	80	432	364'	10.3	8.5 h
	125 - 450	3.9"	1,476'	SR150	1.1"	70	245	275'	10.2	18.8 h
				SR150	1.2"	75	370	330'	12.4	15.2 h
				SR150	1.3"	80	445	350'	13.3	13.6 h
	125 - 500	3.9"	1,640'	SR150	1.1"	70	245	275'	11.2	20.7 h
				SR150	1.2"	75	370	330'	13.7	16.7 h
				SR150	1.3"	80	445	350'	14.6	14.8 h
	140 - 400	4.4"	1,312'	SR200	1.2"	70	355	320'	10.8	13.8 h
				SR200	1.3"	75	430	350'	11.9	12.6 h
				SR200	1.4"	80	515	375'	12.9	11.4 h
	140 - 440	4.4"	1,440'	SR200	1.2"	70	355	320'	11.8	15.0 h
				SR200	1.3"	75	430	350'	13.0	13.7 h
				SR200	1.4"	80	515	375'	14.0	12.3 h

* Based on 85% of wetted diameter.

Certain Traveller Models (e.g. E51, 110-650) work very effectively when equipped with an Irrigation Boom.
Call us today for a Complete Performance Table.

RAINSTAR T



Bauer's Rainstar T Traveller offers the features and options of the Rainstar E but on a smaller scale. If you are looking for a rugged, durable, & energy efficient traveller to irrigate smaller acreage, without sacrificing performance and quality, the Rainstar T is the perfect match.

Models & Performance

Models	Hose I.D.	Hose Length	Gun Model	Noz. Size	P.S.I. @ Gun	U.S. G.P.M.	Strip* Width	Acres Irr. / Strip	App. Time 1" / Strip	Price
T₃₁	65 - 270	2.2"	886'	SR100	0.6"	70	88	210'	4.8	24.6 h
				SR100	0.7"	75	125	240'	5.5	20.1 h
				SR100	0.8"	80	165	260'	6.1	16.6 h
	75 - 300	2.5"	984'	SR100	0.7"	70	120	230'	5.8	21.9 h
				SR100	0.8"	75	160	255'	6.5	18.4 h
				SR100	0.9"	80	210	275'	7.1	15.3 h
	85 - 190	2.8"	625'	SR150	0.9"	70	197	270'	2.9	6.6 h
				SR150	1.0"	75	250	295'	5.2	5.9 h
				SR150	1.1"	80	315	320'	3.6	5.1 h
T₄₁	85 - 300	2.8"	984'	SR150	0.7"	70	120	240'	6.1	23.0 h
				SR150	0.8"	75	160	260'	6.6	18.8 h
				SR150	0.9"	80	210	280'	7.2	15.6 h
	90 - 270	3.0"	886'	SR150	0.8"	70	165	260'	6.1	16.6 h
				SR150	0.9"	75	215	290'	6.9	14.5 h
				SR150	1.0"	80	260	300'	7.1	12.4 h
	90 - 300	3.0"	984'	SR150	0.8"	70	165	260'	6.6	18.3 h
				SR150	0.9"	75	215	290'	7.5	15.8 h
				SR150	1.0"	80	260	300'	7.8	13.6 h
T₆₁	100 - 300	3.3"	984'	SR150	0.9"	70	197	270'	6.9	15.9 h
				SR150	1.0"	75	250	295'	7.7	13.9 h
				SR150	1.1"	80	315	320'	8.4	12.1 h
	100 - 330	3.3"	1,082'	SR150	0.9"	70	197	270'	7.5	17.3 h
				SR150	1.0"	75	250	295'	8.3	15.1 h
				SR150	1.1"	80	315	320'	9.1	13.1 h
	100 - 350	3.3"	1,150'	SR150	0.9"	70	197	275'	8.1	18.7 h
				SR150	1.0"	75	250	320'	9.6	17.4 h
				SR150	1.1"	80	315	320'	9.6	13.8 h

Call us today for a Complete Performance Table and for other available models.

* Based on 85% of wetted diameter.

RAINSTAR A

A1



A2

A3



Bauer has compact solutions in three different sizes for irrigating:

- Sports Fields
- Parkland
- Schools
- Golf Courses
- Nurseries
- Cemeteries

With Irrigation Gun Cart Performance

Models	Hose I.D.	Hose Length	Gun Model	Noz. Size	P.S.I. @ Gun	U.S. G.P.M.	Strip* Width	Acres Irr. / Strip	App. Time 1" / Strip	Price
A₁	40 - 135	1.6"	443'	SB 82	7 mm	50	15	98'	0.9	29.3 h
				SB 82	8 mm	60	21	101'	1.2	21.1 h
				SB 82	9 mm	70	26	104'	1.3	18.5 h
	43 - 125	1.7"	410'	#85	11/32"	40	23	117'	1.2	21.1 h
				#85	3/8"	50	29	128'	1.4	16.4 h
				#85	13/32"	60	36	141'	1.5	14.3 h
A₂	50 - 135	2.0"	443'	SR75	0.40"	50	30	139'	1.6	19.5 h
				SR75	0.45"	55	41	152'	1.7	16.4 h
				SR75	0.50"	60	43	168'	2.0	14.4 h
	55-120	2.2"	394'	SR75	0.55"	50	59	166	1.7	11.3 h
				SR75	0.60"	55	74	179	1.9	9.6 h
				SR75	0.65"	60	91	176	2.1	9.2 h
A₃	63 - 125	2.5"	410'	SR75	0.55"	50	59	166'	1.8	11.7 h
				SR75	0.60"	55	73	180'	2.0	10.3 h
				SR75	0.65"	60	91	194'	2.1	9.1 h
	63 - 150	2.5"	492'	SR75	0.50"	50	48	158'	2.0	16.4 h
				SR75	0.55"	55	63	173'	2.3	14.1 h
				SR75	0.60"	60	77	187'	2.4	12.3 h

* Based on 85% of wetted diameter.

AS-32 & AS-50 SPRAY BOOMS

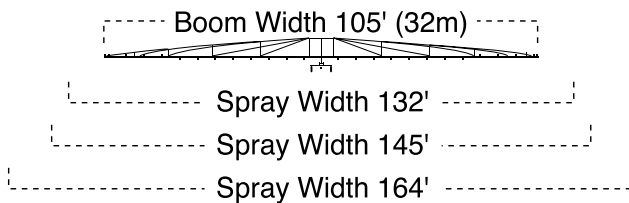


The AS - 32 Irrigation Boom is designed to work with Bauer's Rainstar T Travellers. The AS-32 has a width of 105' with sprinkler packages available for spray widths up to 164'.

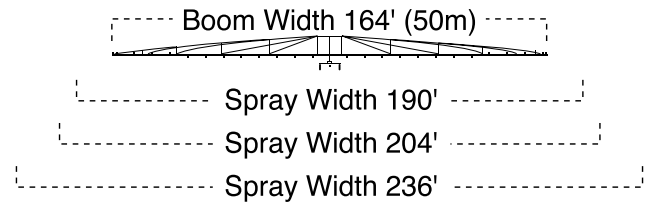
The AS-50 Boom works with Bauer Rainstar E Series Travellers. The Boom has a structural width of 164' and a maximum spray width of 236'.



AS-32 Spray & Structure Widths



AS-50 Spray & Structure Widths



ACCESSORIES



CLOSE RANGE SPRINKLERS

Part #	Description	Price
BD 65-CRSA	# 65 Close Range Sprinkler Package	
BD 85-CRSA	# 85 Close Range Sprinkler Package	

TRAVELLER ACCESSORIES

DELIVERY HOSE, BAUER BY MALE WADE RAIN



Part #	Description	Price
GA DH-2	2"x25' Del. Hose for A1 & A2	
GA DH-33	3"x25' Del. Hose with 3" Connectors	
GA DH-34	3"x25' Del. Hose with 4" Connectors	
GA DH-35	3"x25' Del. Hose with 5" Connectors	
GA DH-44	4"x25' Del. Hose with 4" Connectors	
GA DH-45	4"x25' Del. Hose with 5" Connectors	
GA DH-46	4"x25' Del. Hose with 6" Connectors	
GA DH-55	5"x25' Del. Hose with 5" Connectors	

UNIT CONNECTION



Part #	Description	Price
BD 834-1110VB	Unit Connect. E11, E21 & E31	
BD 834-1120VB	Unit Connect, E41	
BD 834-1130VB	Unit Connect, E51	

BLOW OUT ACCESSORIES



Part #	Description	Price
BD 833-2940	Blow Out Compressor	
GA TRC-PTO	Trolley for Blow Out Compressor	
GA BBA42525	Blow Out Adp., 4 1/4" with 1/4" Outlet	
GA BBA425100	Blow Out Adp., 4 1/4" with 1" Outlet	

SCREENS & PULL- OUT BARS



Part #	Description	Price
GA SCREEN-B3	Inline Screen, for 3" Delivery Hose	
GA SCREEN-B	Inline Screen, for 4" Delivery Hose	
GA SCREEN-G	Inline Screen for Ginseng (4")	
BD P062-2303	Bauer P.T.O. Shaft	
GA TH2	Pull Out Bar	
GA TH20S	Off Set Pull Out Bar	

BIG GUN SPRINKLERS



BIG GUNS

Part #	Description	Price
AS SR74	Part Circle, 75 Series Gun, Slow Return	
AS F100	Full Circle, 100 Series Gun	
AS SR100	Part Circle, 100 Series Gun, Slow Return	
AS F150	Full Circle, 150 Series Gun	
AS SR150	Part Circle, 150 Series Gun, Slow Return	
AS SRA150	Part Circle, 150 Series Gun, Slow Return & Adj. Traj.	
AS SR200	Part Circle, 200 Series Gun/ Slow Return	



Each Ring Nozzle Assembly includes a set of 7 rings, providing a wide range of flow rates and coverage.

Ring Nozzles provide a gentler rain pattern but have a smaller wetted diameter.

RING NOZZLES

Part #	Gun Series	Description	Price
AS 100RASSY	100	7 Rings, Sizes 0.71" - 0.93"	
AS 150RASSY	150	7 Rings, Sizes 0.86" - 1.41"	
AS 200RASSY	200	7 Rings, Sizes 1.29" - 1.93"	



Taper Bore Nozzles are ideally suited to give the maximum throw distance.

TAPER BORE NOZZLES

Part #	Gun	Size	Price	Part #	Gun	Size	Price
AS 10208-045	75	0.45"		AS 6280	150	0.90"	
AS 10208-050	75	0.50"		AS 6281	150	1.00"	
AS 10208-060	75	0.60"		AS 6282	150	1.10"	
AS 10208-065	75	0.65"		AS 6283	150	1.20"	
				AS6283	150	1.30"	
AS 8437	100	0.60"		AS 6033	200	1.05"	
AS 8439	100	0.70"		AS 6034	200	1.10"	
AS 84336	100	0.75"		AS 6035	200	1.20"	
AS 8440	100	0.80"		AS 6036	200	1.30"	
AS 8442	100	0.90"		AS 6037	200	1.40"	
AS 8243	100	1.00"		AS 6038	200	1.50"	
				AS 6039	200	1.60"	
				AS 6040	200	1.75"	

Tapper Bore Nozzle Performance

Noz. Size -->	PSI	GPM Dia. 1/2"	GPM Dia. 3/4"	GPM Dia. 1"	GPM Dia. 1 1/4"	GPM Dia. 1 1/2"	GPM Dia. 1 3/4"	GPM Dia. 2"	GPM Dia. 2 1/2"	GPM Dia. 3"	Price
75	40	27 149'	35 160'	43 171'	52 180'	63 190'	74 198'	87 204'	98 213'	112 221'	
	50	30 161'	39 174'	48 186'	59 195'	70 203'	83 212'	95 220'	109 230'	123 237'	
	60	33 169'	42 184'	53 198'	64 208'	77 220'	91 228'	104 237'	120 245'	136 254'	
	70	36 175'	45 194'	57 210'	69 221'	83 232'	98 243'	113 254'	129 260'	147 270'	
	80	39 182'	49 207'	61 222'	74 234'	89 244'	105 256'	121 266'	138 274'	158 283'	
100	50	50 205'	64 215'	74 225'	87 235'	100 245'	115 256'	150 273'	130 265'	165 280'	204 300'
	60	55 215'	69 227'	81 240'	96 250'	110 260'	126 270'	164 288'	143 280'	182 295'	224 316'
	70	60 225'	75 238'	88 250'	103 263'	120 275'	136 283'	177 302'	155 295'	197 310'	243 338'
	80	64 235'	79 248'	94 260'	110 273'	128 285'	146 295'	189 314'	165 305'	210 325'	258 354'
	90	68 245'	83 258'	100 270'	117 283'	135 295'	155 306'	201 326'	175 315'	223 335'	274 362'
	100	72 255'	87 268'	106 280'	123 293'	143 305'	163 316'	212 336'	185 325'	235 345'	289 372'
	110	76 265'	92 278'	111 290'	129 303'	150 315'	171 324'	222 344'	195 335'	247 355'	304 380'
150	60	110 265'	143 285'	182 305'	225 325'	275 345'	330 365'	385 380'			
	70	120 280'	155 300'	197 320'	245 340'	295 360'	355 380'	415 395'			
	80	128 290'	165 310'	210 335'	260 355'	315 375'	380 395'	445 410'			
	90	135 300'	175 320'	223 345'	275 365'	335 390'	405 410'	475 425'			
	100	143 310'	185 330'	235 355'	290 375'	355 400'	425 420'	500 440'			
	110	150 320'	195 340'	247 365'	305 385'	370 410'	445 430'	525 450'			
200	70	270 360'	310 380'	355 395'	415 410'	480 430'	555 450'	630 465'	755 495'	890 515'	
	80	290 375'	330 395'	380 410'	445 430'	515 450'	590 470'	675 485'	805 515'	950 535'	
	90	310 390'	350 410'	405 425'	475 445'	545 465'	625 485'	715 505'	855 535'	1,005 555'	
	100	325 400'	370 420'	425 440'	500 460'	575 480'	660 500'	755 520'	900 550'	1,060 575'	
	110	340 410'	390 430'	445 450'	525 470'	605 495'	695 515'	790 535'	945 565'	1,110 590'	
	120	355 420'	450 440'	465 460'	545 480'	630 505'	725 530'	825 550'	985 580'	1,160 605'	

Ring Nozzle Performance

Noz. Size -->	PSI	GPM Dia. 1/2"	GPM Dia. 3/4"	GPM Dia. 1"	GPM Dia. 1 1/4"	GPM Dia. 1 1/2"	GPM Dia. 1 3/4"	GPM Dia. 2"	Price
100	50	74 220'	88 225'	100 230'	115 240'	129 250'	150 255'	167 260'	
	60	81 235'	96 240'	110 245'	125 260'	141 270'	164 275'	183 280'	
	70	88 245'	104 250'	118 260'	135 275'	152 290'	177 295'	198 300'	
	80	94 255'	111 265'	127 275'	145 285'	163 300'	189 305'	211 315'	
	90	99 265'	117 275'	134 285'	154 295'	173 310'	201 315'	224 325'	
	100	105 270'	124 280'	142 295'	162 305'	182 320'	212 325'	236 335'	
	110	110 275'	130 290'	149 305'	170 315'	191 325'	222 335'	248 345'	
150	60	110 260'	143 280'	182 300'	225 315'	275 335'	330 350'	385 365'	
	70	120 270'	155 290'	197 310'	245 330'	295 350'	355 365'	415 380'	
	80	128 280'	165 300'	210 320'	260 340'	315 360'	380 380'	445 395'	
	90	135 290'	175 310'	223 330'	275 350'	335 370'	405 390'	475 405'	
	100	143 300'	185 320'	235 340'	290 360'	355 380'	425 400'	500 415'	
	110	150 310'	195 330'	247 350'	305 370'	370 390'	445 410'	525 425'	
200	60	250 340'	330 370'	385 390'	445 410'	515 425'	585 440'	695 455'	
	70	270 355'	355 385'	415 405'	480 425'	555 440'	630 455'	755 475'	
	80	290 370'	380 400'	445 420'	515 440'	590 455'	675 470'	805 490'	
	90	310 380'	405 415'	475 435'	545 455'	625 470'	715 485'	855 505'	
	100	325 390'	425 425'	500 445'	575 465'	660 480'	755 500'	900 520'	
	110	340 400'	445 435'	525 455'	605 475'	695 490'	790 510'	945 535'	
	120	355 410'	465 445'	545 465'	630 485'	725 500'	825 520'	985 545'	



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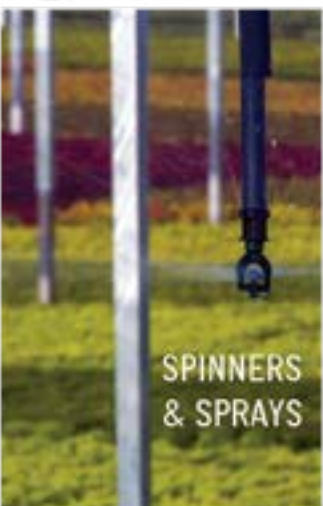
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Zimmatic by Lindsay offers proven systems and products that are built to be strong, long lasting, durable and easy to use for growers who need highly efficient irrigation choices.

With the Lindsay Advantage, you can mix and match components to build your own unique system.

Choose your pivot point, spans, tower structure, driveline, control panel and add-ons for a complete solution that fits your field.

Series 9500



Designed for the toughest environments and terrain. The most rugged member of the Zimmatic family is built with the industry's thickest pipeline.

Available as:
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Pipeline:
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Pivot Tower Heights:
Low, Standard (9' 6"),
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High (12' 10")
and Ultra High

Corner Arms and Field
Plus Articulated arms are
available for the 9500P.

Series 8500



An incredible value featuring structural strength and long-lasting reliability. The 8500 matches the competition's thickest pipeline.

Available as:
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Pipeline:
Galv. Steel

Pivot Tower Heights:
Low, Standard (9' 6"),
Medium (11' 2")
High (12' 10")

Corner Arms and Field
Plus Articulated arms are
available for the 8500P.

Series 7500



Cost-effectively irrigates fields up to 60 acres, featuring a full 10.5' crop clearance. This is an ideal small field irrigator.

Available as:
Pivot

Pipeline:
Galv. Steel

Pivot Tower Height:
is 10' 6"

OPTIONS/CONTROLS

Lindsay Advantage

- The Right Options for You & Your Fields -



BASIC panel provides easy hands-on pivot control. Lighted LED system indicators guide you through startup and provide instant information status.



VISION panel is a breakthrough in ease of use. The graphic display shows at a glance the status of your a pivot or lateral.



BOSS panel is the top-of-the-line irrigation management system. The interface is easy to understand, and is partnered with the best field position sensor for accuracy and repeatable control of irrigation/chemigation.



Where the rubber meets the field, we can help you choose between four tire sizes for the option that best suits your soil and crop.



The three wheel mobile pivot is ideal for marshy areas and problem soils. Three wheels increase tire life, reduces drive train wear and irrigates acres currently left idle. A conversion kit is also available that adds a third non-driving wheel for added flotation and weight dispersion.



NFTrax airless wheel assembly will never go flat and it keeps wheel ruts to a minimum. A tension rubber belt with a steel core is designed with a special tread pattern to provide superior traction with minimal soil disturbance. The open design makes for easier clean up.





PIVOT SPRINKLERS

Components for D3000 Sprayhead, S3000 Spinner & R3000 Rotator






Part #	Description	Price
AS P9410	3/4" Adapter for 3000 Series	
AS 9572-004	Lo-Flow Pressure Regulator, 20 PSI	
AS 9572-005	Lo-Flow Pressure Regulator, 25 PSI	
AS 9572-006	Lo-Flow Pressure Regulator, 30 PSI	
AS P9412	Body for Rotator or Spinner	
AS P9539	Cap for Rotator	
AS P9540	Cap for Spinner	
AS P9926-001	190° Spinner Stream Deflector	
AS P9428	Body for Sprayhead	
AS P9429	Cap for Sprayhead	
AS P9894-001	170° Sprayhead Blue Deflector	



R3000 Rotator Plates

	Part #	Color	Stream	Traject.	Mount	Nozzle Range	Price
	AS P8817	Blue	4	8°	Up-right	#14 to #50	
	AS P8839	Red	6	12°	Inverted	#14 to #50	
	AS P8844	Green	4	8°	Inverted	#14 to #50	
	AS P10681	Brown	10	Multi.Traj.	Inverted	#14 to #50	

D3000 Sprayhead Plates

	Part #	Color	Groove	Traject.	Application	Wind Resistance	Gentleness of Spray	Price
	AS P9543	Green	Fine	Concave	Germ. / Irr.	Good	Better	
	AS P9631	Yellow	Fine	Flat	Irrigation	Better	Better	
	AS P9550	Purple	Fine	Convex	Irrigation	Better	Good	
	AS P9493	Blue	Medium	Concave	Irrigation	Better	Good	
	AS P9541	Black	Medium	Flat	Irrigation	Best	Good	

PIVOT SPRINKLERS

3TN & 3NV Nozzle Performance

#	#12	#13	#14	#15	#16	#17	#18	#19	#20	#21	#22
Color	Gold	Gold	Lime	Lime	Lavender	Lavender Gray	Gray	Gray	Turquoise	Turquoise	Yellow
Stripe		Lime		Lavender				Turquoise		Yellow	
PSI	GPM	GPM	GPM	GPM	GPM	GPM	GPM	GPM	GPM	GPM	GPM
6	0.61	0.71	0.82	0.95	1.08	1.22	1.36	1.53	1.70	1.84	2.04
10	0.79	0.92	1.06	1.23	1.40	1.58	1.75	1.97	2.19	2.38	2.64
15	0.96	1.10	1.29	1.51	1.71	1.93	2.14	2.41	2.69	2.91	3.23
20	1.11	1.30	1.49	1.74	1.98	2.23	2.48	2.79	3.10	3.36	3.73
25	1.24	1.46	1.67	1.95	2.21	2.50	2.77	3.12	3.47	3.76	4.17
30	1.36	1.59	1.83	2.14	2.42	2.74	3.03	3.41	3.80	4.12	4.56
40	1.57	1.84	2.11	2.47	2.80	3.16	3.50	3.94	4.39	4.76	5.27
50	1.76	2.06	2.36	2.76	3.13	3.53	3.91	4.41	4.90	5.32	5.89
#	#23	#24	#25	#26	#27	#28	#29	#30	#31	#32	#33
Color	Yellow	Red	Red	White	White	Blue	Blue	Dark Brown	Dark Brown	Orange	Orange
Stripe	Red		White		Blue		Dark Brown	Orange	Orange		Dark Green
PSI	GPM	GPM	GPM	GPM	GPM	GPM	GPM	GPM	GPM	GPM	GPM
6	2.22	2.44	2.64	2.87	3.07	3.35	3.58	3.83	4.06	4.36	4.65
10	2.86	3.16	3.41	3.70	3.97	4.32	4.62	4.94	5.24	5.63	6.00
15	3.50	3.86	4.17	4.53	4.86	5.29	5.66	6.06	6.41	6.89	7.35
20	4.05	4.46	4.82	5.23	5.61	6.11	6.53	6.99	7.40	7.96	8.49
25	4.52	4.99	5.38	5.85	6.27	6.83	7.30	7.82	8.28	8.90	9.49
30	4.96	5.47	5.90	6.41	6.87	7.48	8.00	8.56	9.07	9.75	10.39
40	5.72	6.31	6.81	7.40	7.94	8.64	9.24	9.89	10.47	11.26	12.00
50	6.40	7.06	7.61	8.28	8.87	9.66	10.33	11.06	11.71	12.59	13.42
#	#34	#35	#36	#37	#38	#40	#42	#44	#46	#48	#50
Color	Dark Green	Dark Green	Purple	Purple	Black	D.Turquoise	Mustard	Maroon	Cream	Dark Blue	Copper
Stripe		Purple		Black							
PSI	GPM	GPM	GPM	GPM	GPM	GPM	GPM	GPM	GPM	GPM	GPM
6	4.94	5.20	5.47	5.84	6.18	6.85	7.60	8.33	9.12	9.96	10.77
10	6.37	6.72	7.06	7.54	7.97	8.85	9.81	10.75	11.77	12.86	13.91
15	7.81	8.23	8.65	9.24	9.77	10.84	12.01	13.17	14.41	15.75	17.03
20	9.01	9.50	9.98	10.67	11.28	12.51	13.87	15.20	16.64	18.19	19.67
25	10.08	10.62	11.16	11.92	12.61	13.99	15.51	17.00	18.61	20.33	21.99
30	11.04	11.64	12.23	13.06	13.81	15.33	16.99	18.62	20.38	22.28	24.09
40	12.75	13.44	14.12	15.08	15.95	17.70	19.61	21.50	23.54	25.72	27.82
50	14.25	15.02	15.79	16.86	17.83	19.79	21.93	24.04	26.31	28.76	31.10



3TN Nozzles

Part #: AS P9461-XX
(Replace XX with Nozzle #)



3NV Nozzles

Use a Lo-Flow Pressure Regulator to ensure a uniform flow over uneven terrain and long spans.



Contact our expert Sales Team for more

BRASS IMPACT SPRINKLERS

1/2" Full Circle,
Brass Wedge Drive
Impact Sprinkler
Bearing: 1/2" MIPT
Trajectory Angle: 23°
Stream Height: 6'
Operating Range: 20 - 80 PSI
Flow Rate: 0.56 - 2.68 GPM
Radius: 29' - 39'



Part #: AX 14VH
(Nozzle not included)

14VH PERFORMANCE

PSI@ Nozzle	1 / 16"		5 / 64"		3 / 32"		7 / 64"		Price
	Rad. '	GPM	Rad. '	GPM	Rad. '	GPM	Rad. '	GPM	
20	-	-	30	0.79	33	1.14	34	1.55	
25	29	0.56	31	0.88	33	1.27	35	1.73	
30	29	0.62	31	0.97	34	1.39	35	1.90	
35	30	0.66	32	1.05	34	1.50	36	2.05	
40	30	0.72	32	1.12	35	1.61	37	2.19	
45	31	0.75	33	1.19	35	1.71	37	2.32	
50	31	0.80	34	1.25	36	1.80	38	2.45	
55	32	0.84	34	1.31	36	1.89	38	2.57	
60	32	0.88	34	1.37	37	1.97	38	2.68	

1/2" Full Circle,
Brass Impact Sprinkler
Bearing: 1/2" MIPT
Trajectory Angle: 23°
Stream Height: 7'
Operating Range: 35 - 80 PSI
Flow Rate: 2.05 - 5.47 GPM
Radius: 35' - 44'



Part #: AX 20EJH
(Nozzle not included)

20JH PERFORMANCE

PSI@ Nozzle	7 / 64"		1 / 8"		9 / 64"		5 / 32"		Price
	Rad. '	GPM	Rad. '	GPM	Rad. '	GPM	Rad. '	GPM	
35	38	2.05	38	2.68	39	3.39	39	4.19	
40	38	2.19	39	2.86	40	3.62	39	4.47	
45	39	2.32	39	3.03	40	3.84	40	4.73	
50	39	2.45	39	3.20	40	4.05	40	5.00	
55	39	2.57	40	3.35	40	4.24	40	5.23	
60	39	2.68	40	3.50	41	4.43	41	5.47	

1/2" Full Circle,
Brass Impact Sprinkler
Bearing: 1/2" MIPT
Trajectory Angle: 10°
Stream Height: 2 1/2'
Operating Range: 30 - 50 PSI
Flow Rate: 1.73 - 4.05 GPM
Radius: 29' - 35'



Part #: AX L20H
(Nozzle not included)

L20H PERFORMANCE

PSI@ Nozzle	7 / 64"		1 / 8"		9 / 64"		Price
	Rad. '	GPM	Rad. '	GPM	Rad. '	GPM	
30	29	1.90	30	2.48	31	3.14	
35	29	2.05	31	2.68	33	3.39	
40	30	2.19	32	2.86	33	3.62	
45	31	2.32	33	3.03	34	3.84	
50	32	2.45	34	3.20	35	4.05	

BRASS IMPACT SPRINKLERS

14070H



Part #: AX 14070
(Nozzles not included)

3/4" Full Circle,
Brass Impact Sprinkler
Bearing: 3/4" MIPT
Trajectory Angle: 270
Stream Height: 10'
Operating Range: 40 - 80 PSI
Flow Rate: 9.3 - 23.0 GPM
Radius: 44 - 71'
Dual Nozzle Ports

The 14070H is a popular choice for both irrigation and frost control. The extra large body accommodates a wide range of flow rates and the long nozzle barrel increases throw distance.

The common nozzle set-up for irrigation is a 9/32" Nozzle and a 1/8" 20° Spreader. When setting up for frost protection use a 7/32" Nozzle and a 1/8" Plug.

14070H Performance, Nozzle & Plug

PSI@ Nozzle	3/16"		13/64"		7/32"		1/4"		9/32"		Price
	Rad.'	GPM	Rad.'	GPM	Rad.'	GPM	Rad.'	GPM	Rad.'	GPM	
40	50	6.5	51	7.6	52	8.8	54	11.5	56	14.6	
45	51	6.9	52	8.1	54	9.3	56	12.2	58	15.4	
50	52	7.2	53	8.5	55	9.8	57	12.9	59	16.3	
55	53	7.6	54	8.9	56	10.3	59	13.5	61	17.1	
60	53	7.9	55	9.3	57	10.8	60	14.1	62	17.8	
65	54	8.3	56	9.7	58	11.2	61	14.7	63	18.5	
70	55	8.6	57	10.0	59	11.6	62	15.2	65	19.2	
75	55	8.9	58	10.4	60	12.1	63	15.7	-	-	
80	56	9.1	58	10.7	61	12.4	64	16.3	-	-	

14070H Performance, Nozzle & 1/8" 20° Spreader

3/16"		13/64"		7/32"		1/4"		9/32"		Price
Rad.'	GPM	Rad.'	GPM	Rad.'	GPM	Rad.'	GPM	Rad.'	GPM	
50	9.3	51	10.5	52	11.7	54	14.4	56	17.4	
51	9.9	52	11.1	54	12.4	56	15.2	58	18.5	
52	10.4	53	11.7	55	13.1	57	16.1	59	19.5	
53	10.9	54	12.3	56	13.7	59	16.9	61	20.4	
53	11.4	55	12.8	57	14.3	60	17.6	62	21.3	
54	11.9	56	13.3	58	14.9	61	18.3	63	22.2	
55	12.4	57	13.8	59	15.4	62	19.0	65	23.0	
55	12.8	58	14.3	60	16.0	63	19.7	-	-	
56	13.2	58	14.8	61	16.5	64	20.3	-	-	

Never place pipe dope, anti-seize compound, or teflon tape on a sprinkler's threads. It damages the water seals.

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BRASS IMPACT SPRINKLERS

70H

1" Full Circle,
Brass Impact Sprinkler
Bearing: 1" FIPT
Trajectory Angle: 21°
Stream Height: 8'
Operating Range: 40 - 80 PSI
Flow Rate: 8.8- 45.8 GPM
Radius: 57 - 82'
Dual Nozzle Ports



Part #: AX 70CSPH
(Nozzles & Bushing not included)

70H Performance, Nozzle & Plug

PSI@ Nozzle	7/32"		1/4"		9/32"		11/32"		3/8"		Price
	Rad. '	GPM	Rad. '	GPM	Rad. '	GPM	Rad. '	GPM	Rad. '	GPM	
40	57	8.8	60	11.5	62	14.6	66	21.1	68	24.4	
45	58	9.4	61	12.2	64	15.5	68	22.5	70	26.0	
50	59	9.9	62	12.9	65	16.3	70	23.8	71	27.5	
55	60	10.4	63	13.6	66	17.2	71	25.0	73	29.1	
60	61	10.9	64	14.2	67	18.0	73	26.2	74	30.6	
65	62	11.4	65	14.8	68	18.8	74	27.4	76	32.0	
70	63	11.8	66	15.4	70	19.5	76	28.5	77	33.2	
75	64	12.2	67	16.0	71	20.3	77	29.6	78	34.5	
80	65	12.6	68	16.5	72	20.9	78	30.6	80	35.7	

80 EHD

1 1/4" Full Circle,
Brass Impact Sprinkler
Bearing: 1 1/4" MIPT Trajectory
Angle: 27°
Stream Height: 14'
Operating Range: 40 - 100 PSI
Flow Rate: 22 - 119 GPM
Radius: 62 - 112'



Part #:
AX 80EWH (Nozzles
not included)

70H Performance, Nozzle & 1/8" 20° Spreader

PSI@ Nozzle	7/32"		1/4"		9/32"		11/32"		3/8"		Price
	Rad. '	GPM	Rad. '	GPM	Rad. '	GPM	Rad. '	GPM	Rad. '	GPM	
40	57	11.6	60	14.3	62	17.4	61	23.9	68	27.2	
45	58	12.4	61	15.2	64	18.5	68	25.5	70	29.0	
50	59	13.0	62	16.0	65	19.4	70	26.9	71	30.6	
55	60	13.7	63	16.9	66	20.4	71	28.3	73	32.4	
60	61	14.3	64	17.6	67	21.4	73	29.6	74	34.0	
65	62	15.0	65	18.4	69	24.4	74	31.0	76	35.6	
70	63	15.5	66	19.1	70	23.2	75	32.2	77	36.9	
75	64	16.0	67	19.8	71	24.1	77	33.4	78	38.3	
80	65	16.5	68	20.4	72	24.8	78	34.5	80	39.6	

80 EHD Performance, Nozzle & Plug

PSI@ Nozzle	3/8"		7/16"		1/2"		17/32"		5/8"		Price
	Rad. '	GPM	Rad. '	GPM	Rad. '	GPM	Rad. '	GPM	Rad. '	GPM	
40	71	26	77	34	83	43	83	47	86	65	
45	73	27	79	36	85	46	88	50	92	70	
50	75	29	81	38	87	48	90	53	95	73	
55	77	30	83	40	89	50	92	57	99	77	
60	79	31	86	42	91	53	94	59	101	80	
65	81	32	87	43	93	55	96	61	102	84	
70	83	33	89	45	94	58	98	64	104	88	
75	84	35	90	47	96	60	99	66	105	91	
80	86	36	92	48	97	62	101	68	107	94	
85	87	37	93	50	99	64	102	70	108	97	
90	89	38	95	52	100	65	104	72	110	100	
95	90	40	96	53	101	67	105	74	111	103	
100	91	41	97	55	102	69	106	76	112	105	

80 EHD Performance, Nozzle & 7/32" 20° Spreader

	3/8"		7/16"		1/2"		17/32"		5/8"		Price
	Rad. '	GPM	Rad. '	GPM	Rad. '	GPM	Rad. '	GPM	Rad. '	GPM	
71	34		77	42	83	51	83	55	86	73	
73	36		79	44	85	54	88	58	92	78	
75	38		81	47	87	57	90	62	95	82	
77	40		83	49	89	60	92	65	99	87	
79	41		86	52	91	63	94	68	101	90	
81	43		87	54	93	65	96	71	102	94	
83	45		89	56	94	68	98	74	104	99	
84	47		90	58	96	71	99	77	105	102	
86	48		92	60	97	73	101	80	107	106	
87	50		93	62	99	75	102	82	108	109	
89	51		95	64	100	78	104	85	110	112	
90	53		96	66	101	80	105	87	111	115	
91	55		97	68	102	82	106	90	112	119	

The 70H is an excellent choice for higher flow rates and maximum distances. Common sprinkler spacings range from 60 x 80' to 90 x 120'.

BRASS IMPACT SPRINKLERS

65PJ Performance

1" Part Circle,
Brass Impact Sprinkler
Bearing: 1" FIPT Brass
Trajectory Angle: 27°
Stream Height: 10'
Operating Range: 50 - 80 PSI
Flow Rate: 12.9 - 16.5 GPM
Radius: 57 - 65'

We also carry the full product line of Rain Bird Sprinklers for Turf and Golf applications.

Part #: AX 65PJ-ADJ-TNT
(1/4" Nozzle included)

PSI@ Nozzle	1/4"	Rad. '	GPM	Price
50	57	12.9		
55	57	13.6		
60	58	14.2		
65	62	14.8		
70	63	15.4		
75	64	16.0		
80	65	16.5		



Rain Bird Part Circle Brass Impact Sprinklers are fully adjustable to cover any arc as well as a full 360°. On the #25, #35 & #65, the PJ arm reduces side splash; stream arc may also be adjusted with a deflector pad, and the adjustable diffuser screw alters stream dispersion.

85 ESHD Performance, Nozzle & Plug

PSI@ Nozzle	3/8"	7/16"	1/2"	17/32"	5/8"	Price
	Rad. ' GPM	Rad. ' GPM	Rad. ' GPM	Rad. ' GPM	Rad. ' GPM	
40	69 22	77 34	83 43	83 47	86 65	
45	71 23	79 36	85 46	88 50	92 70	
50	73 24	81 38	87 48	90 53	95 73	
55	75 26	83 40	89 50	92 57	99 77	
60	77 26	86 42	91 53	94 59	101 80	
65	79 27	87 43	93 55	96 61	102 84	
70	81 28	89 45	94 58	98 64	104 88	
75	82 29	90 47	96 60	99 66	105 91	
80	83 30	92 48	97 62	101 68	107 94	
85	85 32	93 50	99 64	102 70	108 97	
90	86 33	95 52	100 65	104 72	110 100	
95	87 34	96 53	101 67	105 74	111 103	
100	88 34	97 55	102 69	106 76	112 105	



When mounting an 85 ESHD on your Traveller, as a close range sprinkler, use a steel bracket.

Part #: AX 85ESHD
(Nozzles not included)

85 ESHD Performance, Nozzle & 7/32" 20° Spreader

PSI@ Nozzle	3/8"	7/16"	1/2"	17/32"	5/8"	Price
	Rad. ' GPM	Rad. ' GPM	Rad. ' GPM	Rad. ' GPM	Rad. ' GPM	
40	71 34	77 42	83 51	83 55	86 73	
45	73 36	79 44	85 54	88 58	92 78	
50	75 38	81 47	87 57	90 62	95 82	
55	77 40	83 49	89 60	92 65	99 87	
60	79 41	86 52	91 63	94 68	101 90	
65	81 43	87 54	93 65	96 71	102 94	
70	83 45	89 56	94 68	98 74	104 99	
75	84 47	90 58	96 71	99 77	105 102	
80	86 48	92 60	97 73	101 80	107 106	
85	87 50	93 62	99 75	102 82	108 109	
90	89 51	95 64	100 78	104 85	110 112	
95	90 53	96 66	101 80	105 87	111 115	
100	91 55	97 68	102 82	106 90	112 119	

1 1/4" Part Circle,
Brass Impact Sprinkler
Bearing: 1 1/4" FIPT Brass
Trajectory Angle: 27°
Stream Height: 14'
Operating. Range: 40-100 PSI
Flow Rate: 22-119 GPM
Radius: 62-112'

BRASS IMPACT SPRINKLERS

2045-PJ



1/2" Part Circle
Plastic Impact Sprinkler
Bearing: 1/2" MIPT
Trajectory Angle: 23°
Stream Height: 6'
Operating Range: 25 - 60 PSI
Flow Rate: 2.0 - 6.4 GPM
Radius: 37 - 44'

Part #: AX 2045-PJ-08
(Blue Nozzle included)

2045-PJ Performance

3' Stream Height
(Low Angle) Black

PSI@ Nozzle	Red 3/32"	Black 7/64"	Blue 1/8"	Yellow 5/32"	Price	7/64"	Price
	Rad. ' GPM	Rad. ' GPM	Rad. ' GPM	Rad. ' GPM		Rad. ' GPM	
25	- -	22 2.20	35 2.80	38 4.20		- -	
35	37 2.00	37 2.70	38 3.30	41 4.80		37 2.00	
45	38 2.30	39 3.00	40 3.70	42 5.40		38 2.30	
55	38 2.50	41 3.30	41 4.10	43 6.00		38 2.50	
60	38 2.60	41 3.50	42 4.20	44 6.40		38 2.60	

25BPJ-FP-ADJ-DA



1/2" Part Circle
Brass Impact Sprinkler
Bearing: 1/2" MIPT
Trajectory Angle: 27°
Stream Height: 7'
Operating Range: 30 - 80 PSI
Flow Rate: 3.1 - 5.0 GPM
Radius: 38 - 41'

Part #:
AX 25BPJFPADJDAT
(5/32" Nozzle included)

25BPJ-FP-ADJ-DA Performance

PSI@ Nozzle	9/64"	5/32"	Price
	Rad. ' GPM	Rad. ' GPM	
30	38 3.1	39 3.8	
35	38 3.4	39 4.1	
40	39 3.6	40 4.4	
45	39 3.8	40 4.7	
50	40 4.0	41 5.0	

2045PJ has a built in diffuser screw, while the 25BPJ has a built in diffuser screw and a distance control.

35A



Sprinkler & Nozzle
Part #: AX 35A-TNT
(3/16" Nozzle included)

3/4" Part Circle,
Brass Impact Sprinkler
Bearing: 3/4" MIPT
Trajectory Angle: 27°
Stream Height: 9'
Operating Range: 30 - 60 PSI
Flow Rate: 3.9 - 7.8 GPM
Radius: 42 - 51'

Diffuser screws & distance control, as well as altering the stream characteristics, also reduce the distance a sprinklers throws.

35A Performance

PSI@ Nozzle	5/35"	1 1/64"	3/16"	Price
	Rad. ' GPM	Rad. ' GPM	Rad. ' GPM	
30	42 3.9	43 4.6	44 5.5	
35	43 4.2	44 5.0	46 6.0	
40	44 4.5	45 5.4	47 6.4	
45	44 4.7	46 5.7	48 6.8	
50	45 5.0	47 6.0	49 7.2	
55	45 5.2	48 6.3	50 7.5	
60	46 5.4	48 6.6	51 7.8	

Part Circle Sprinklers may also be set to water full circle.

BRASS IMPACT SPRINKLERS

WR-33



Part #: BE WR33
(Nozzle not included,
1/8" Plug included)

3/4" Full Circle,
Brass Impact Sprinkler
Bearing: 3/4" MIPT
Trajectory Angle: 27°
Stream Height: 8'
Operating Range: 30 - 80 PSI
Flow Rate: 2.9 - 16.3 GPM
Radius: 40 - 56'
Dual Nozzle Ports

The Wade Rain WR-33 may be used for general irrigation and frost control. The common nozzle set-up for irrigation is a 3/16" Nozzle and a 1/8" 20° Spreader. When setting up for frost protection use a 5/32" Nozzle and a 1/8" Plug.

WR-33 Performance, Nozzle & Plug

PSI@ Nozzle	9/64" Rad. ' GPM	5/32" Rad. ' GPM	11/64" Rad. ' GPM	3/16" Rad. ' GPM	Price
40	41 3.64	44 4.45	46 5.37	48 6.41	
45	42 3.86	45 4.72	47 5.7	49 6.81	
50	42 4.07	45 4.98	48 6.01	50 7.18	
55	43 4.27	46 5.22	48 6.3	51 7.51	
60	44 4.46	46 5.45	49 6.57	51 7.82	

WR-33 Performance, Nozzle & 20° Spreader

PSI@ Nozzle	9/64" x 3/32" Rad. ' GPM	5/32" x 3/32" Rad. ' GPM	11/64" x 3/32" Rad. ' GPM	3/16" x 1/8" Rad. ' GPM	Price
40	42 5.29	44 6.11	46 7.03	48 9.46	
45	42 5.61	45 6.48	47 7.46	49 10.05	
50	43 5.91	45 6.82	48 7.87	50 10.60	
55	43 6.20	46 7.15	48 8.25	51 11.10	
60	44 6.48	46 7.47	49 8.60	51 11.60	



VYR sprinklers, manufactured in Spain, provide an economical substitution to traditional brass impact sprinklers. With comparable performance to Rain Bird, Wade Rain and Nelson impact sprinklers, VYR is the perfect option to provide solutions without breaking the bank. Each impact comes with a set of standard nozzles which are compatible with traditional brass impact nozzles.

Part #	Connection	Description	Nozzles Provided	Recommended Flow	Recommended Pressure	Radius	Price
KG160	1 1/4" MIPT	FC/PC Brass Impact Sprinkler	11/32" x 9/64"	19.9 GPM	72 PSI	82'	
KG65F	1" FIPT	FC/PC Brass Impact Sprinkler	1/4" x Plug	15.8 GPM	58 PSI	62'	
KG35	3/4" MIPT	FC Brass Impact Sprinkler	5/32" x Plug	7.9 GPM	51 PSI	46'	
KG66	3/4" MIPT	FC/PC Plastic Impact Sprinkler	11/64" x 3/32"	7.9 GPM	51 PSI	46'	
KG70	3/4" MIPT	FC Brass Impact Sprinkler	5/32" x Plug	9.6 GPM	58 PSI	50'	



KG160



KG65F



KG35



KG66



KG70

NOZZLES FOR IMPACT SPRINKLERS

	Part #	Size	Model	Description	Price
 <p>Nozzle</p>	AX P206592-06	3/32"	2045-PJ	Red Nozzle	
	AX P206592-07	7/64"	2045-PJ	Black Nozzle	
	AX P206592-08	1/8"	2045-PJ	Blue Nozzle	
	AX P206592-10	5/32"	2045-PJ	Yellow Nozzle	
	AX P206592-12	3/16"	2045-PJ	Beige Nozzle	
	AX P115902-07	7/64"	2045-PJ	Black Noz. (Low Angle)	
 <p>Nozzle with Plastic Vane</p>	AX P101093-10	5/32"	20 & 25	Noz. with Dir. Control	
	AX P105780-06	3/32"	14, 20 & 25	Nozzle	
	AX P105780-07	7/64"	14, 20 & 25	Nozzle	
	AX P105780-08	1/8"	14, 20 & 25	Nozzle	
	AX P105780-09	9/64"	14, 20 & 25	Nozzle	
	AX P106160-09	9/64"	14, 20 & 25	Nozzle with Vane	
 <p>Nozzle with Adjustable Diffuser</p>	AX P106160-10	5/32"	14, 20 & 25	Nozzle with Vane	
	AX P106131-09	9/64"	30 & 14070	Nozzle with Vane	
	AX P106131-10	5/32"	30 & 14070	Nozzle with Vane	
	AX P106131-11	11/64"	30 & 14070	Nozzle with Vane	
	AX P106131-12	3/16"	30 & 14070	Nozzle with Vane	
	AX P106131-13	13/64"	30 & 14070	Nozzle with Vane	
 <p>Nozzle with Directional Control</p>	AX P106131-14	7/32"	30 & 14070	Nozzle with Vane	
	AX P106131-16	1/4"	30 & 14070	Nozzle with Vane	
	AX P106131-18	9/32"	30 & 14070	Nozzle with Vane	
	BE PWR964	9/64"	WR33	Nozzle	
	BE PWR532	5/32"	WR33	Nozzle	
	BE PWR732	7/32"	WR33	Nozzle	
 <p>Vane</p>	BE PWR316	3/16"	WR33	Nozzle	
	AX P100332-12	3/16"	35	Noz. with Dir. Control	
	AX P100328-10	5/32"	35	Noz. with Adj. Diffuser	
	AX P100328-11	11/64"	35	Noz. with Adj. Diffuser	
	AX P100328-12	3/16"	35	Noz. with Adj. Diffuser	
	AX P100385	1/4"	65	Noz. with Adj. Diffuser	
   <p>Bushing Spreader Plug</p>	AX P100382-12	3/16"	65 & 70	Nozzle	
	AX P100382-14	7/32"	65 & 70	Nozzle	
	AX P100382-16	1/4"	65 & 70	Nozzle	
	AX P100382-18	9/32"	65 & 70	Nozzle	
	AX P100382-20	5/16"	65 & 70	Nozzle	
	AX P100382-22	11/32"	65 & 70	Nozzle	
	AX P100382-24	3/8"	65 & 70	Nozzle	
	AX P103043-24	3/8"	85	Nozzle	
	AX P103043-26	13/32"	85	Nozzle	
	AX P103043-28	7/16"	85	Nozzle	
	AX P103043-32	1/2"	85	Nozzle	
	AX P103043-34	17/32"	85	Nozzle	
	AX P103043-40	5/8"	85	Nozzle	
	AX P105816		30 & 14070	Vane	
	BE PWRVANE		WR33	Vane	
	AX P100695		70	Vane	
	AX P101275		85	Vane	
	AX P100225-06	3/32"	20	7° Spreader	
	AX P100225-08	1/8"	20	7° Spreader	
	AX P100226-08	1/8"	30, 33, 14070, 70 & 85	20° Spreader	
	AX P100226-14	7/32"	70 & 85	20° Spreader	
	AX P100418		70	Reducing Bushing	
	AX P100255	1/8"	30, 33, 14070, 70, 85	Plug	
	AX P100417	1/4"	70	Plug	

SPRINKLERS FOR PIVOTS, SOLID SET, NURSERY, GREENHOUSE



3006-1 Impact Sprinkler

The 3006-1 is a 6° single nozzle sprinkler. Senninger's special square nozzle design provides better stream breakup and improved uniformity over traditional nozzle designs. The 3006-1 is a great solution for under canopy crops.



3006-2 Impact Sprinkler

The 3006-2 is a 6° dual nozzle sprinkler, with a main Off-Axis Nozzle that is adjustable $\pm 4^\circ$. The 3006-2 is another great solution for under canopy crops.

Senninger Plastic Impact Sprinklers

Part #	Description	Nozzle	50 PSI Diam. GPM	Price
AY 3006-1	3/4" FIPT	#9 only	54' 4.1	
AY 3006-2	3/4" MIPT*	#8* & #5 Spreader	50' 5.1	

*The adjustable Off-Axi Nozzle will affect the reach of the sprinkler. Diameters here are the maximum throw under ideal conditions.



Wobblers

The unique off-centre rotary-action of the Wobblers provides extremely uniform coverage over a large diameter at low pressures. This durable sprinkler has one moving part and is built for upright mount only.

Part #	Description	10 PSI		15 PSI		20 PSI		25 PSI		30 PSI		35 PSI		Price
		Diam.	GPM	Diam.	GPM	Diam.	GPM	Diam.	GPM	Diam.	GPM	Diam.	GPM	
AY WOBBLER-2	3/4" MIPT	39'	1.4	44'	1.7	45'	2.0	46'	2.2	47'	2.4	48'	2.6	



Super Spray

Senninger's original sprinkler can be mounted upright or inverted and has no moving parts.

Super Spray #14 Nozzle with Vane & Smooth Deflector Pad

Part #	Description	6 PSI		10 PSI		15 PSI		20 PSI		30 PSI		Price
		Diam.	GPM	Diam.	GPM	Diam.	GPM	Diam.	GPM	Diam.	GPM	
AY SSBW1C	3/4" Mipt	23'	3.4	27'	4.4	33'	5.4	35'	6.3	38'	7.7	

Senninger Fan Spray (3/4" Mipt)



Fan Spray

These durable sprinklers feature a 160° spray pattern, and are designed to operate on low pressures.

The Fan Spray can be mounted upright or inverted on booms or pivots to keep wheel paths dry.

* Radius is based on an upright Fan Nozzle @ 6' high; inverted mounts have reduced radius.

Part #	Description	10 PSI		15 PSI		20 PSI		Price
		Rad.*	GPM	Rad.*	GPM	Rad.*	GPM	
AY SN08	#8 Nozzle	13'	1.9	15'	1.8	17'	2.1	
AY SN13	#13 Nozzle	14'	3.9	17'	4.8	18'	5.5	
AY SN14	#14 Nozzle	15'	4.5	18'	5.6	19'	6.4	
AY SN15	#15 Nozzle	15'	5.2	19'	6.4	20'	7.3	
AY SN17	#17 Nozzle	17'	6.7	20'	8.2	22'	9.5	
AY SN18	#18 Nozzle	18'	7.5	21'	9.2	23'	10.6	
AY SN19	#19 Nozzle	18'	8.0	21'	9.5	24'	11.1	
AY SN20	#20 Nozzle	18'	9.2	22'	11.4	24'	13.1	
AY SN22	#22 Nozzle	19'	11.2	23'	13.7	25'	15.9	
AY SN23	#23 Nozzle	20'	12.3	24'	14.0	26'	16.1	

NELSON ROTATORS

R33 Rotator



Rotator Components



Plate & Cap Assembly



Body



Nozzle



Adapter

R2000 Rotator



R2000 WindFighter (WF) Rotator



Pressure Regulator & Check Valve



There are plenty of plate, cap & nozzle assemblies for R2000, and R2000WF Sprinklers, for a wide variety of flow rates and distances.

Rotator Sprinklers

Part #	Description	Price
AS P11466-1020	R33 Sprinkler with Brown Plate, #20 Nozzle & 3/4" adapter (mipt)	
AS P10519-1509	K5 Orange Plate & Cap Assembly for R2000	
AS P9155	Body for R2000, (Female Acme)	
AS P9223-250	Body for R2000, (Female Acme) with Brass 2.5 gpm Flow Control Nozzle	
AS P10299-112	Purple WF12 Plate & Cap Assembly for R2000 WF	
AS P10299-114	Green Plate WF14 & Cap Assembly for R2000 WF	
AS P10299-116	Red WF16 Plate & Cap Assembly for R2000 WF	
AS P10299-216	Red WF16 Plate & Cap Assembly for R2000 WF Low Pres.	
AS P9920	Body for R2000 (WF) WindFighter, (Female ACME)	
AS P9306-078	#10, Dark Blue 2TN Nozzle	
AS P9306-086	#11, Orange 2TN Nozzle	
AS P9306-094	#12, Purple 2TN Nozzle	
AS P9306-102	#13, Yellow 2TN Nozzle	
AS P9306-109	#14, Green 2TN Nozzle	
AS P9306-125	#16, Red 2TN Nozzle	
AS P9306-141	#18, Gold 2TN Nozzle	
AS P9306-156	#20, Brown 2TN Nozzle	
AS P9316	Male Acme x 1/2" MIPT, Adapter	
AS P9466	Male Acme x 3/4" MIPT, Adapter	
AS 10406-030	30 psi Pres Reg & C.V. (1/2" FIPT x Male ACME)	
AS 10406-050	50 psi Pres Reg & C.V. (1/2" FIPT x Male ACME)	
AS 10407-030	30 psi Pres Reg & C.V. (Female ACME x Male ACME)	
AS 10407-035	35 psi Pres Reg & C.V. (Female ACME x Male ACME)	
AS 10407-050	50 psi Pres Reg & C.V. (Female ACME x Male ACME)	
AS P9752-036	FT4 36" Sprinkler Feed Tube	
AS P9737-048	FT5 48" Sprinkler Feed Tube	
AS P9725-024	24" Steel Stake (8 mm) for Feed Tube	
AS P9726-048	48" Steel Stake (8 mm) for Feed Tube	
AS P10160	24" Fiberglass Stake (8 mm) for Feed Tube	
AS 9677	Feed Tube Sprinkler Connector (Male Acme to 10mm)	
AS P9739	Orange Female Quick Coupler for Poly Pipe	
AS P9831	Outer Goof Plug to seal poly pipe for Orange Female Quick Coupler	
AS P9826	Inner Goof Plug for seal on Orange Female Quick Coupler	
AS 9774	10mm Compression to Poly Pipe barb (FT4)	
AS 9099	500' Roll of 10mm Feed Tubing	

NELSON ROTATORS

Nelson Rotator Performance

Plate	2TN Nozzle	PSI	30 GPM Rad.	35 GPM Rad.	40 GPM Rad.	45 GPM Rad.	50 GPM Rad.	55 GPM Rad.	60 GPM Rad.	Price
R2000 Rotator										
K5 9° Orange	#15 Tan			2.4 28'	2.5 29'	2.7 29'	2.8 29'	3.0 29'		
	#16 Red			2.7 29'	2.9 30'	3.1 30'	3.2 31'	3.4 31'		
R2000 WindFighter (WF) Rotator										
WF12° Purple	#10 Dark Blue	0.8	34'	1.1 35'	1.1 36'	1.2 36'	1.3 36'	1.3 35'	1.4' 35'	
	#11 Orange	1.2	36'	1.3 36'	1.4 37'	1.5 37'	1.5 38'	1.6 38'	1.7' 38'	
	#12 Purple	1.4	37'	1.5 38'	1.6 39'	1.7 39'	1.8 39'	1.9 39'	2.0' 39'	
WF14° Green	#13 Yellow	1.6	36'	1.8 37'	1.9 38'	2.0 38'	2.1 38'	2.2 38'	2.3' 38'	
	#14 Green	1.9	37'	2.0 38'	2.2 39'	2.3 39'	2.4 40'	2.5 39'	2.6' 39'	
WF16° Red	#15 Tan	2.2	38'	2.4 39'	2.5 40'	2.7 40'	2.8 41'	3.0 40'	3.1' 40'	
	#16 Red	2.5	39'	2.7 39'	2.9 39'	3.1 40'	3.2 41'	3.4 41'	3.5' 41'	
WF16° Red LP	#15 Tan	2.2	41'	2.4 41'	2.5 41'	2.7 41'	2.8 42'			
R33 Rotator										
Brown	#20 Brown				4.5 45'	4.7 45'	5.0 46'	5.2 46'	5.5 47'	

Ginseng Riser Quick Connect

Part #	Description	Size	Price
AT 03N20STAND0948FSFN	Tube with Fast	48", 8mm Feed	
AT 03N48	Connect Steel Stake	48"	

Ask us about our Independent Ginseng Riser. Manufactured in house using Nelson and Netafim products, this system provides many advantages to ginseng irrigation.

Layout was initially designed to avoid inconsistent uniformity in sprinklers, due to weathering of pipe, causing sprinkler movement. With this model, you can guarantee your sprinkler will remain stationed all season long.



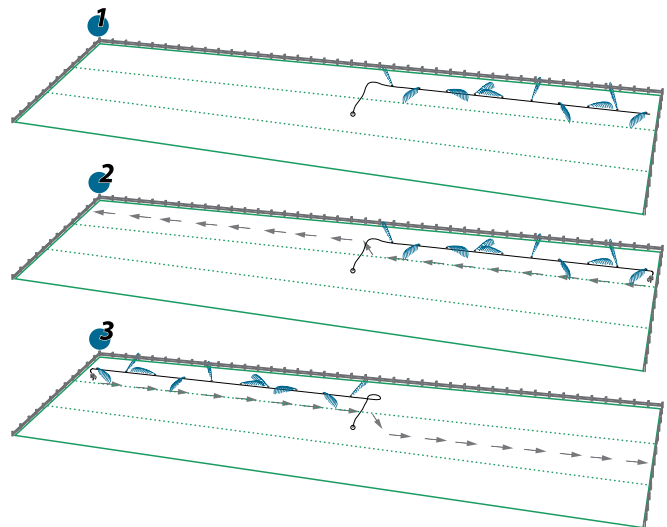
Independent Ginseng Riser

K-LINE IRRIGATION



K-Line is a great solution to economically irrigate pastures & paddocks. Small pods protect low volume sprinklers mounted on a special flexible low density poly pipe. Pods are spaced every 50' and can be moved by an ATV while running.

The pods protect sprinklers when travelling and ensure sprinklers are upright when the move is complete. K-Line is a low pressure, low energy using irrigation system.



K-Line Pod
(Includes:
sprinkler, riser,
saddle & bolts)



K-Line Components

Part #	Description	Size	Price
AH KL32P5NO	Pod & Naan Sprinkler (Orange Noz.)	32 mm	
AH KL32P5NG	Pod & Naan Sprinkler (Green Noz.)	32 mm	
AH KL32P5LR	Pod & Nelson Sprinkler (WF 16)	32 mm	
AH KL40P5NG	Pod & Naan Sprinkler (Green Noz.)	40 mm	
AH KL40P5LR	Pod & Nelson Sprinkler (WF 16)	40 mm	
AH KL32LD400	K-Line Low Density Poly Pipe	32 mm x 400'	
AH KL40LD300	K-Line Low Density Poly Pipe	40 mm x 300'	
AH KLASC32	Coupler, Comp. x Comp.	32 mm	
AH KLASC40	Coupler, Comp. x Comp.	40 mm	
AH KLASC4032	Reducing Coupler, Comp. x Comp.	32 mm x 40 mm	
AH APU32	Union for Poly Pipe, FIPT x FIPT	32 mm (1 1/4")	
AH APU40	Union for Poly Pipe, FIPT x FIPT	40 mm (1 1/2")	
AH APU4032	Red. Union for Poly Pipe, FIPT x FIPT	1 1/4" x 1 1/2"	
AH KLAFC32	Female Adapter, Comp. x FIPT	32 mm x 1 1/4"	
AH KLAFC40	Female Adapter, Comp. x FIPT	40 mm x 1 1/2"	
AH KLAMC32	Male Adapter, Comp. x MIPT	32 mm x 1 1/4"	
AH KLAMC40	Male Adapter, Comp. x MIPT	40 mm x 1 1/2"	
AH RXGHC32	Galv. Cap with Hook, FIPT	1 1/4"	
AH RXGHC40	Galv. Cap with Hook, FIPT	1 1/2"	
AH KLPRV4050	Pressure Regulator, MIPT x MIPT	50 psi, 1 1/2"	
AH KLPRV4057	Pressure Regulator, MIPT x MIPT	57 psi, 1 1/2"	

Naan Impact Sprinkler



Nelson
WF Rotator

Coupler



Union

Fem. Adapter

Male Adapter



Galvanized Cap









Pressure Regulator

More sizes are available. Contact our expert Sales Team for more information.

D10 - S10 - R10

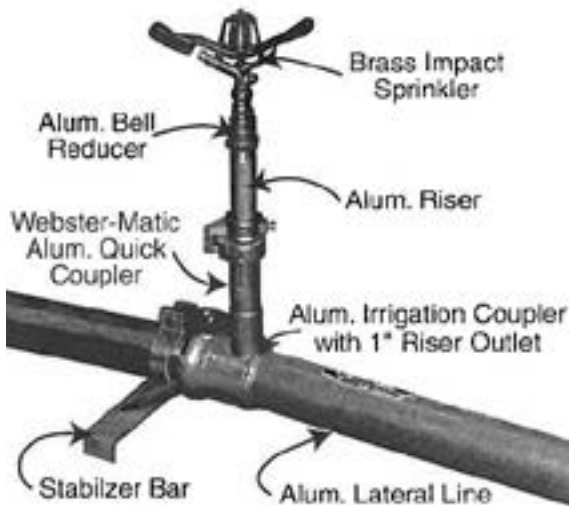
SRAYS - SPINNERS - ROTATORS

D10 - S10 - R10 Components

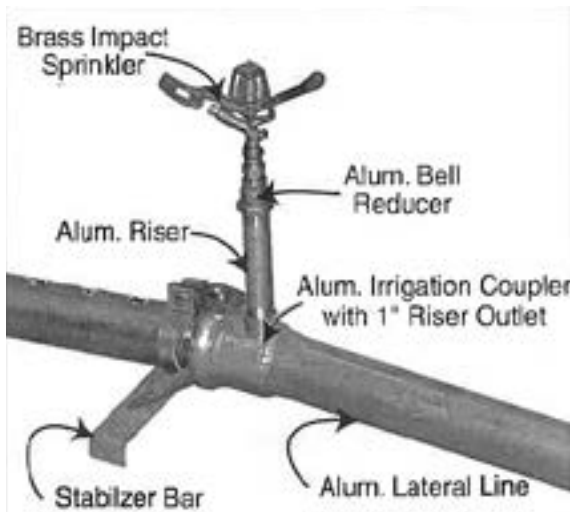
		Part #	Description	Price
D10 Spray:				
	D10 with adapter and nozzle	AS P10135-001	D10 with Black Fixed Plate	
S10 Spinner:				
	S10	AS P10078-1000	S10 with Green Plate, Low Trajectory - Upright or	
		AS P10078-2000	Inverted	
		AS P10078-3000	S10 with Black Plate, High Trajectory - Upright or	
			Inverted	
			S10 with Grey Plate, Flat Trajectory - Inverted	
R10 Rotator:				
	R10	AS P9914-8003		
		AS P9914-8004		
		AS P9914-8005	R10 with Grey Plate, Flat Trajectory - Inverted	
			R10 with Green Plate, Low Trajectory - Upright or Inverted	
			R10 with Black Plate, High Trajectory - Upright	
Adapters:				
	Adapter	AS P9316		
		AS P9466		
			Male Acme x 1/2" MIPT	
			Male Acme x 3/4" MIPT	
Pressure Regulator:				
	Pressure Regulator with Check Valve	AS 10406-030		
		AS 10406-050		
		AS 10407-030	30 psi Pres Reg & C.V. (1/2" FIPT x Male ACME)	
		AS 10407-035	50 psi Pres Reg & C.V. (1/2" FIPT x Male ACME)	
		AS 10407-050	30 psi Pres Reg & C.V. (Female ACME x Male ACME)	
			35 psi Pres Reg & C.V. (Female ACME x Male ACME)	
Nozzles: 20 - 50 PSI				
	Nozzle	AS P9306-078	50 psi Pres Reg & C.V. (Female ACME x Male ACME)	
		AS P9306-086		
		AS P9306-094	#10, Dark Blue, 0.79 - 1.25 GPM	
		AS P9306-102	#11, Orange, 0.95 - 1.53 GPM	
		AS P9306-109	#12, Purple, 1.14 - 1.80 GPM	
		AS P9306-125	#13, Yellow, 1.34 - 2.13 GPM	
		AS P9306-141	#14, Green, 1.52 - 2.40 GPM	
		AS P9306-156	#16, Red, 2.04 - 3.23 GPM	

SPRINKLER IRRIGATION

Sprinkler Riser with Webster



Sprinkler Riser



Webster-Matic cast aluminum quick coupler will speed up sprinkler set up, and eliminate time consuming system shut downs. The twist and lock system means no tools are needed to place sprinklers in the field. The internal check ball allows you to replace sprinklers while the system is running without getting wet. Irrigation pipe equipped with Websters are easier to store and handle in the field, and your sprinklers and riser tubing is less-likely to be

Sprinkler Systems are a time tested method of providing irrigation and frost protection. A sprinkler system is composed of a main line which supplies water from the pump to the field, a header line which carries water across the field, and lateral lines which distribute water throughout the field.

Lateral lines are laid out at evenly spaced intervals, and may be moved across a field (by hand) as in a Hand Move Portable/Semi-Permanent System, or lateral lines may sit in place for an entire season as a Solid-Set Permanent System.

A Hand-Move System saves on the number of lateral lines and sprinklers, but is labour intensive; a Solid-Set Permanent System uses more material, but once it is set up you'll have great flexibility with water application rates and volume.

Webster and Pipe Fittings

Part #	Description	Price
BG 6-100FIW	Complete Cast Aluminum Webster	
GA PSTAB	Stabilizer Bar with Nuts & Bolts	
BE 11500-1	Plug, 1/2" MIPT	
BE 11500-2	Plug, 3/4" MIPT	
BE 11500-3	Plug, 1" MIPT	
BE 11500-4	Plug, 1 1/4" MIPT	
BE 11501-1	Bell Reducer, 3/4" x 1/2" FIPT x FIPT	
BE 11501-2	Bell Reducer, 1" x 1/2" FIPT x FIPT	
BE 11501-3	Bell Reducer, 1" x 3/4" FIPT x FIPT	
BE 11502-1	Reducing Bushing, 3/4" x 1/2" MIPT x FIPT	
BE 11502-2	Reducing Bushing, 1" x 1/2" MIPT x FIPT	
BE 11502-3	Reducing Bushing, 1" x 3/4" MIPT x FIPT	
BE 11503-1	Coupling, 1/2" FIPT x FIPT	
BE 11503-2	Coupling, 3/4" FIPT x FIPT	
BE 11503-4	Coupling, 1" FIPT x FIPT	



Complete Cast Aluminum Webster

WADE RAIN

Wade Rain manufactures the couplers and fittings that speed up irrigation. Available in Knob Style & Ring Lock, Wade Rain makes quality fittings of cast aluminum for rugged use, a long life span, yet light weight for easy handling.

For irrigating with a traveller or sprinklers, you can depend on Wade Rain to get the water to your fields.

- Easy to set up and move
- Stays together under pressure
- Durable gaskets that prevent leaks

As one of the first Wade Rain distributors, Vanden Bussche Irrigation has proven that Wade Rain is the coupler of choice for your irrigation needs. Use knob style couplers for mainlines and lateral lines up to 6". For larger mainlines, with high pressure, we recommend Wade Rain Ring Lock Couplers.



Knob Style Coupler with Band & Latch



T-Valve & Valve Opener



Hydrant & Valve Opener



WADE RAIN PIPE & COUPLERS



30' Aluminum Irrigation Tubing with Wade Rain Couplers

Part #	Outside Diameter	Wall Thickness	Comment	Price
GA 02-30WR	2"	0.050"	1" Riser Outlet	
GA 03-30WR	3"	0.050"	1" Riser Outlet	
GA 04-30WR	4"	0.050"	1" Riser Outlet	
GA 05-30WR	5"	0.052"		
GA 06-30WR	6"	0.058"		

Aluminum Pipe is also available in: 10', 20' & 40' as well as custom cut lengths.

With our fabrication facilities we can easily connect Wade Rain Fittings to a variety of materials and other irrigation couplers.

Ring Lock Couplers with One Male Coupler, One Female Coupler with Gasket and One Locking

GA 06-30WR-RL	6"	0.058"
GA 08-30WR-RL	8"	0.072"
GA 10-30WR-RL	10"	0.064"

For fittings, please see page 76.

*Coupler with 1" FIPT for Riser, Plug not included.

Knob Style Couplers (includes Gasket)

Part #	Size	Price
Weld-on Couplers		
BE 1-2-1P*	2"	
BE 1-3-1WO*	3"	
BE 1-4-1WO*	4"	
BE 1-5-1WO*	5"	
BE 1-5-WO	5"	
BE 1-6-1WO	6"	



Part #	Size	Price
Field Couplers		
BE 1-3-1C*	3"	
BE 1-4-1C*	4"	
BE 1-2-MC	2"	
BE 1-3-MC	3"	
BE 1-4-MC	4"	
BE 1-5-MC	5"	
BE 1-6-MC	6"	





Part #	Size	Price
Repair Couplers		
BE 1-2-1S*	2"	
BE 1-3-1S*	3"	
BE 1-4-1S*	4"	
BE 1-5-1S*	5"	





Part #	Size	Price
Band & Latch		
BE 8-2CX	2"	
BE 8-3CX	3"	
BE 8-4CX	4"	
BE 8-5DX	5"	
BE 8-6DX	6"	




HYDRANTS, T-VALVES & VALVE OPENERS

Underground Hydrants					Valve Opening Elbows				
	Part #	Pipe Size	Valve Size	Price		Part #	Pipe Size	Valve Size	Price
	BE 7-3D	3"	3"			BE 3-4-2E	2"	3"	
	BE 7-4D	4"	4"			BE 3-4-3E	3"	3"	
	BE 7-6D	6"	6"			BE 3-4-4E	4"	3"	
	GA HYD-DA2	2" Drain Outlet - 4" & 6"							

Tee Valve (M x F)					Valve Opening Elbows				
	Part #	Pipe Size	Valve Size	Price		Part #	Pipe Size	Valve Size	Price
	BE 2-3-3MXF	3"	3"			BE 3-6-2E	2"	4"	
	BE 2-4-3MXF	4"	3"			BE 3-6-3E	3"	4"	
	BE 2-5-4MXF	5"	4"			BE 3-6-4E	4"	4"	
	BE 2-6-4MXF	6"	4"			BE 3-6-5E	5"	4"	
	BE 2-6-6MXF	6"	6"						

Reversible Tee, (MxFxF)				Valve Opening Elbows				
	Part #	Size	Price		Part #	Pipe Size	Valve Size	Price
	BE 2-2MXFR	2"			BE 3-6-4ES	4"	6"	
	BE 2-3MXFR	3"			BE 3-6-5ES	5"	6"	
	BE 2-4MXFR	4"			BE 3-6-6ES	6"	6"	
	BE 2-5MXFR	5"						
	BE 2-6MXFR	6"						

	Part #	Size	Price
	BE 2-2FC	2"	
	BE 2-3FC	3"	
	BE 2-4FC	4"	
	BE 2-5FC	5"	
	BE 2-6FC	6"	

Hydrants provide an On/Off connection from buried to above ground mainline or header.

Tee Valves provide an On/Off Connection from an above ground header/main line to a lateral line.

To select the appropriate Valve/Hydrant Opener, first determine the size of valve you are connecting to; then determine the size of line that is coming off of the valve.

ELBOWS, REDUCERS & PLUGS

REVERSIBLE 90° ELBOW, (MXF)



Part #	Size
BE 3-2MXFR	2"
BE 3-3MXFR	3"
BE 3-4MXFR	4"
BE 3-5MXFR	5"
BE 3-6MXFR	6"

REVERSIBLE 90° ELBOW WITH EXTENSION, (MXF)



Part #	Size
BE 3-5MXFR-EX	5"
BE 3-6MXFR-EX	6"

REVERSIBLE 45° ELBOW WITH EXTENSION, (MXF)



Part #	Size
BE 3-2MXFR-45	2"
BE 3-3MXFR-45	3"
BE 3-4MXFR-45	4"
BE 3-5MXFR-45	5"
BE 3-6MXFR-45	6"

REVERSIBLE 45° ELBOW WITH EXTENSION (MXF)



Part #	Size
BE 3-5MXFR-EX45	5"
BE 3-6MXFR-EX45	6"

FIELD 90° ELBOW, (FXF)



Part #	Size
BE 3-2FC	2"
BE 3-3FC	3"
BE 3-4FC	4"
BE 3-5FC	5"
BE 3-6FC	6"

REDUCER, (MXF)



Part #	Size
BE 4-3-2FC	3" to 2"
BE 4-4-2FC	4" to 2"
BE 4-4-3FC	4" to 3"
BE 4-5-3FC	5" to 3"
BE 4-5-4FC	5" to 4"
BE 4-6-4FC	6" to 4"
BE 4-6-5FC	6" to 5"

REDUCER, (FXF)



Part #	Size
BE 4-3-2C	3" to 2"
BE 4-4-3C	4" to 3"
BE 4-5-4C	5" to 4"
BE 4-6-4C	6" to 4"
BE 4-6-5C	6" to 5"

END PLUG, (MALE)



Part #	Size
BE 5-2CX	2"
BE 5-3CX	3"
BE 5-4CX	4"
BE 5-5DX	5"
BE 5-6DX	6"

All Fittings include gaskets.
1" Plug not included.

Elbow Extensions prevent the fitting from binding, making it much easier to remove.

RING-LOCK COUPLERS & FITTINGS



For high pressure and large volume flows, we recommend Ring Lock Couplers. Ring Lock Style Couplers provide a secure connection, particularly suited for piping long distance with a low pressure loss.

6", 8" & 10" Ring Lock include Wade Rain No Drain Gaskets. Once the pump has been shut down, No Drain Gaskets ensure the water stays in your pipe, drastically reducing the amount of time needed to fill your lines before irrigation.

Weld-On Ring Lock Couplers



Ring Lock Fittings

Part #	Description	Size	Price
BE 1-6RF	Weld-On Female Coupler	6"	
BE 1-8RF	Weld-On Female Coupler	8"	
BE 1-10RF	Weld-On Female Coupler	10"	
BE 1-6RM	Weld-On Male Coupler	6"	
BE 1-8RM	Weld-On Male Coupler	8"	
BE 1-10RM	Weld-On Male Coupler	10"	
BE 1-6RL	Locking Lever	6"	
BE 1-8RL	Locking Lever	8"	
BE 1-10RL	Locking Lever	10"	
BE 3-6R-90	90° Elbow, (MxF)	6"	
BE 3-8R-90	90° Elbow, (MxF)	8"	
BE 3-10R-90	90° Elbow, (MxF)	10"	
BE 3-6R-45	45° Elbow, (MxF)	6"	
BE 3-8R-45	45° Elbow, (MxF)	8"	
BE 3-10R-45	45° Elbow, (MxF)	10"	
BE 5-6R	End Plug (Male)	6"	
BE 5-8R	End Plug (Male)	8"	
BE 5-10R	End Plug (Male)	10"	



Ring Lock 90° Elbow, (MxF)



Ring Lock 45° Elbow, (MxF)



Ring Lock End Plug (Male)

HOP-A-LONGS AND A&M FITTINGS

Hop-A-Longs are an economical innovation of Vanden Bussche Irrigation. Suited particularly well for long narrow fields, Hop-A-Longs are laid in a manner very similar to Solid-Set Sprinkler Irrigation. The included On/Off Gate Valve allows one gun to operate while a second gun is being repositioned. Common Spacings are 120' x 120' using 100 Series Gun & 150' x 150' using a 150 series gun.

Hop-A-Longs

Part #	Description	Pipe Size	Cam	Price
GA HP4X2S	1 Leg Hop-A-Long	4"	None	
GA HP4X2S-F	1 Leg Hop-A-Long	4"	2" Male	

We also custom make Hop-A-Longs in 3", 4", 5" & 6", with single or double legs.

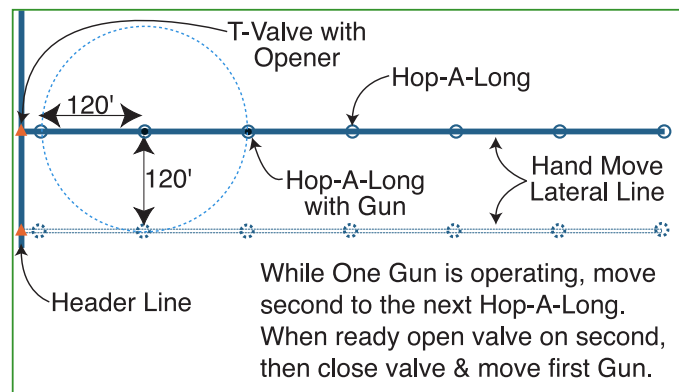
A&M Aluminum Hook Style couplers offer an alternative for those who need new couplers to work with older Hook Style couplers that are no longer available. We can also make up Aluminum Pipe with A&M Couplers, and customize fabricating fittings.

A&M Fittings

Part #	Description	Size	Price
BC A-CX4435A	Female Coupler	4"	
BC A-CX5535A	Female Coupler	5"	
BC A-CX6635A	Female Coupler	6"	
BC A-BL400	Steel Band & Hook	4"	
BC A-BL500	Steel Band & Hook	5"	
BC A-BL600	Steel Band & Hook	6"	



Hop-A-Longs



Female Coupler



Band & Hook





QUALITY IRRIGATION PIPING

IPEX CycleTough® irrigation (Series 160 and Series 200) piping has remained the preferred brand of PVC piping in Canada for over 30 years. Here's why...

- Certified to CSA B137.3
- 160 psi or 200 psi options
- Sizes 1-1/2" to 24"
- Solvent-weld or gasket joint
- Easy to install, zero maintenance
- Made in Canada

So for your next irrigation project, ensure the underground piping meets the same high standard as what's growing above ground. Ask for IPEX. For more information on IPEX CycleTough pipe and fittings, please visit our website at www.ipexna.com.

PVC PIPE



Series 160 (SDR 26) 20' Lengths, White

Part #	End Connect Type	Size	Price
ET A160G-400	Gasket	4"	
ET A160G-600	Gasket	6"	
ET A160G-800	Gasket	8"	
ET A160G-1000	Gasket	10"	
ET A160-125	Glue, (Bell End)	1 1/4"	
ET A160-150	Glue, (Bell End)	1 1/2"	
ET A160-200	Glue, (Bell End)	2"	
ET A160-250	Glue, (Bell End)	2 1/2"	
ET A160-300	Glue, (Bell End)	3"	
ET A160-400	Glue, (Bell End)	4"	

Series 200 (SDR 21) 20' Lengths, White

Part #	End Connect Type	Size	Price
ET 200G-300	Gasket	3"	
ET 200G-400	Gasket	4"	
ET 200G-600	Gasket	6"	
ET 200G-800	Gasket	8"	
ET 200G-1000	Gasket	10"	
ET 200G-1200	Gasket	12"	
ET 200-075	Glue, (Bell End)	3/4"	
ET 200-100	Glue, (Bell End)	1"	
ET 200-125	Glue, (Bell End)	1 1/4"	
ET 200-150	Glue, (Bell End)	1 1/2"	
ET 200-200	Glue, (Bell End)	2"	
ET 200-250	Glue, (Bell End)	2 1/2"	
ET 200-300	Glue, (Bell End)	3"	

Schedule 40 Grey

Part #	End Connect Type	Size	Price
ET 40-005	Glue, (Bell End) 10' Lengths	1/2"	
ET 40-075	Glue, (Bell End) 10' Lengths	3/4"	
ET 40-100	Glue, (Bell End) 10' Lengths	1"	
ET 40-125	Glue, (Bell End) 10' Lengths	1 1/4"	
ET 40-150	Glue, (Bell End) 10' Lengths	1 1/2"	
ET 40-200	Glue, (Bell End) 10' Lengths	2"	
ET 40-250	Glue, (Bell End) 10' Lengths	2 1/2"	
ET 40-300	Glue, (Bell End) 10' Lengths	3"	
ET 40-400	Glue, (Bell End) 20' Lengths	4"	
ET 40-600	Glue, (Bell End) 20' Lengths	6"	

Schedule 80 20' Lengths, Grey

Part #	End Connect Type	Size	Price
ET 80-005	Plain Ends (no coupler)	1/2"	
ET 80-075	Plain Ends (no coupler)	3/4"	
ET 80-125	Plain Ends (no coupler)	1 1/4"	
ET 80-200	Plain Ends (no coupler)	2"	
ET 80-250	Plain Ends (no coupler)	2 1/2"	
ET 80-300	Plain Ends (no coupler)	3"	
ET 80-400	Plain Ends (no coupler)	4"	
ET 80-600	Plain Ends (no coupler)	6"	

Our own fleet of carriers can deliver PVC Pipe directly to the installation site. We also can recommend proven contractors to install your buried PVC.

SCHEDULE 40 PVC FITTINGS

Part #	Size (inches)	Price
TEE (S x S x S)		



BA 401-005	1/2	
BA 401-007	3/4	
BA 401-010	1	
BA 401-012	1 1/4	
BA 401-015	1 1/2	
BA 401-020	2	
BA 401-025	2 1/2	
BA 401-030	3	
BA 401-040	4	
BA 401-060	6	
BA 401-080	8	

Reducing TEE (S x S x S)		
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BA 401-101	3/4 x 3/4 x 1/2	
BA 401-130	1 x 1 x 1/2	
BA 401-131	1 x 1 x 3/4	
BA 401-166	1 1/4 x 1 1/4 x 1/2	
BA 401-167	1 1/4 x 1 1/4 x 3/4	
BA 401-168	1 1/4 x 1 1/4 x 1	
BA 401-209	1 1/2 x 1 1/2 x 1/2	
BA 401-210	1 1/2 x 1 1/2 x 3/4	
BA 401-211	1 1/2 x 1 1/2 x 1	
BA 401-212	1 1/2 x 1 1/2 x 1 1/4	
BA 401-213	1 1/2 x 1 1/2 x 2	
BA 401-241	2 x 1 1/2 x 1 1/2	
BA 401-247	2 x 2 x 1/2	
BA 401-248	2 x 2 x 3/4	
BA 401-249	2 x 2 x 1	
BA 401-250	2 x 2 x 1 1/4	
BA 401-251	2 x 2 x 1 1/2	
BA 401-289	2 1/2 x 2 1/2 x 1	
BA 401-291	2 1/2 x 2 1/2 x 1 1/2	
BA 401-292	2 1/2 x 2 1/2 x 2	
BA 401-334	3 x 3 x 3/4	
BA 401-335	3 x 3 x 1	
BA 401-336	3 x 3 x 1 1/4	
BA 401-337	3 x 3 x 1 1/2	

Part #	Size (inches)	Price
Reducing TEE (S x S x S) cont.		



BA 401-338	3 x 3 x 2	
BA 401-420	4 x 4 x 2	
BA 401-422	4 x 4 x 3	
BA 401-528	6 x 6 x 2	
BA 401-530	6 x 6 x 3	
BA 401-532	6 x 6 x 4	
BA 401-582	8 x 8 x 4	
BA 401-585	8 x 8 x 6	

Combination TEE (S x S x FIPT)		
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BA 402-005	1/2	
BA 402-007	3/4	
BA 402-010	1	
BA 402-012	1 1/4	
BA 402-015	1 1/2	
BA 402-020	2	
BA 402-025	2 1/2	
BA 402-030	3	
BA 402-040	4	






Combination & Reducing TEE (S x S x FIPT)		
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BA 402-101	3/4 x 3/4 x 1/2	
BA 402-130	1 x 1 x 1/2	
BA 402-131	1 x 1 x 3/4	
BA 402-166	1 1/4 x 1 1/4 x 1/2	
BA 402-167	1 1/4 x 1 1/4 x 3/4	
BA 402-168	1 1/4 x 1 1/4 x 1	
BA 402-209	1 1/2 x 1 1/2 x 1/2	
BA 402-210	1 1/2 x 1 1/2 x 3/4	
BA 402-211	1 1/2 x 1 1/2 x 1	
BA 402-212	1 1/2 x 1 1/2 x 1 1/4	
BA 402-247	2 x 2 x 1/2	
BA 402-248	2 x 2 x 3/4	
BA 402-249	2 x 2 x 1	
BA 402-250	2 x 2 x 1 1/4	
BA 402-251	2 x 2 x 1 1/2	
BA 402-288	2 1/2 x 2 1/2 x 3/4	
BA 402-289	2 1/2 x 2 1/2 x 1	
BA 402-291	2 1/2 x 2 1/2 x 1 1/2	
BA 402-337	3 x 3 x 1	
BA 402-337	3 x 3 x 1 1/2	
BA 402-338	3 x 3 x 2	
BA 402-420	4 x 4 x 2	





SCHEDULE 40 PVC FITTINGS

	Part #	Size (inches)	Price
	Threaded TEE (FIPT x FIPT x FIPT)		
	BA 405-005	1/2	
	BA 405-007	3/4	
	BA 405-010	1	
	BA 405-012	1 1/4	
	BA 405-015	1 1/2	
	BA 405-020	2	
	90° Elbow (S x S)		
	BA 406-005	1/2	
	BA 406-007	3/4	
	BA 406-010	1	
	BA 406-012	1 1/4	
	BA 406-015	1 1/2	
	BA 406-020	2	
	BA 406-025	2 1/2	
	BA 406-030	3	
	BA 406-040	4	
	BA 406-060	6	
	BA 406-080	8	
	90° Combination Elbow (S x FIPT)		
	BA 407-005	1/2	
	BA 407-007	3/4	
	BA 407-010	1	
	BA 407-012	1 1/4	
	BA 407-015	1 1/2	
	BA 407-020	2	
	90° Combination & Reducing Elbow (S x FIPT)		
	BA 407-101	3/4 x 1/2	
	BA 407-130	1 x 1/2	
	BA 407-131	1 x 3/4	
	90° Threaded Elbow (FIPT x FIPT)		
	BA 408-005	1/2	
	BA 408-007	3/4	
	BA 408-010	1	
	BA 408-012	1 1/4	
	BA 408-015	1 1/2	
	BA 408-020	2	

	Part #	Size (inches)	Price
	90° Street Elbow (S x SP)		
	BA 409-005	1/2	
	BA 409-007	3/4	
	BA 409-010	1	
	BA 409-015	1 1/2	
	90° Combination Street Elbow (S x MIPT)		
	BA 410-005	1/2	
	BA 410-007	3/4	
	BA 410-010	1	
	BA 410-012	1 1/4	
	BA 410-015	1 1/2	
	BA 410-020	2	
	90° Street Elbow (FIPT x MIPT)		
	BA 412-005	1/2	
	BA 412-007	3/4	
	BA 412-010	1	
	BA 412-012	1 1/4	
	BA 412-015	1 1/2	
	BA 412-020	2	
	22° Elbow (S x S)		
	BA 416-020	2	
	BA 416-030	3	
	BA 416-040	4	
	45° Elbow (S x S)		
	BA 417-005	1/2	
	BA 417-007	3/4	
	BA 417-010	1	
	BA 417-012	1 1/4	
	BA 417-015	1 1/2	
	BA 417-020	2	
	BA 417-025	2 1/2	
	BA 417-030	3	
	BA 417-040	4	
	BA 417-060	6	
	BA 417-080	8	

SCHEDULE 40 PVC FITTINGS

	Part #	Size (inches)	Price
	Cross (S x S x S x S)		
	BA 420-005	1/2	
	BA 420-007	3/4	
	BA 420-010	1	
	BA 420-012	1 1/4	
	BA 420-015	1 1/2	
	BA 420-020	2	
	BA 420-025	2 1/2	
	BA 420-030	3	
	BA 420-040	4	
	Coupling (S x S)		
	BA 429-005	1/2	
	BA 429-007	3/4	
	BA 429-010	1	
	BA 429-012	1 1/4	
	BA 429-015	1 1/2	
	BA 429-020	2	
	BA 429-025	2 1/2	
	BA 429-030	3	
	BA 429-040	4	
	Reducing Coupling (S x S)		
	BA 429-131	1 x 3/4	
	BA 429-212	1 1/2 x 1 1/4	
	BA 429-251	2 x 1 1/2	
	BA 429-338	3 x 2	
	BA 429-422	4 x 3	
	BA 429-532	6 x 4	
	Threaded Coupling (FIPT x FIPT)		
	BA 430-005	1/2	
	BA 430-007	3/4	
	BA 430-010	1	

	Part #	Size (inches)	Price
	Female Adapter (S x FIPT)		
	BA 435-005	1/2	
	BA 435-007	3/4	
	BA 435-010	1	
	BA 435-012	1 1/4	
	BA 435-015	1 1/2	
	BA 435-020	2	
	BA 435-025	2 1/2	
	BA 435-030	3	
	BA 435-040	4	
	Reducing Female Adapter (S x FIPT)		
	BA 435-074	1/2 x 3/4	
	BA 435-101	3/4 x 1/2	
	BA 435-102	3/4 x 1	
	BA 435-131	1 x 3/4	
	BA 435-211	1 x 1 1/2	
	Male Adapter (S x MIPT)		
	BA 436-005	1/2	
	BA 436-007	3/4	
	BA 436-010	1	
	BA 436-012	1 1/4	
	BA 436-015	1 1/2	
	BA 436-020	2	
	BA 436-025	2 1/2	
	BA 436-030	3	
	BA 436-040	4	
	Reducing Male Adapter (MIPT x S)		
	BA 436-074	1/2 x 3/4	
	BA 436-101	3/4 x 1/2	
	BA 436-102	3/4 x 1	
	BA 436-131	1 x 3/4	
	BA 436-132	1 x 1 1/4	
	BA 436-168	1 1/4 x 1	
	BA 436-169	1 1/4 x 1 1/2	
	BA 436-212	1 1/2 x 1 1/4	
	BA 436-213	1 1/2 x 2	
	BA 436-251	2 x 1 1/2	
	BA 436-252	2 x 2 1/2	
	BA 436-341	3 x 4	

SCHEDULE 40 PVC FITTINGS

Part #	Size (inches)	Price
Reducing Bushing (SP x S)		
BA 437-101	3/4 x 1/2	
BA 437-130	1 x 1/2	
BA 437-131	1 x 3/4	
BA 437-167	1 1/4 x 3/4	
BA 437-168	1 1/4 x 1	
BA 437-209	1 1/2 x 1/2	
BA 437-210	1 1/2 x 3/4	
BA 437-211	1 1/2 x 1	
BA 437-212	1 1/2 x 1 1/4	
BA 437-248	2 x 3/4	
BA 437-249	2 x 1	
BA 437-250	2 x 1 1/4	
BA 437-251	2 x 1 1/2	
BA 437-289	2 1/2 x 1	
BA 437-290	2 1/2 x 1 1/4	
BA 437-291	2 1/2 x 1 1/2	
BA 437-292	2 1/2 x 2	
BA 437-335	3 x 1	
BA 437-336	3 x 1 1/4	
BA 437-337	3 x 1 1/2	
BA 437-338	3 x 2	
BA 437-339	3 x 2 1/2	
BA 437-420	4 x 2	
BA 437-421	4 x 2 1/2	
BA 437-422	4 x 3	
BA 437-530	6 x 3	
BA 437-532	6 x 4	
BA 437-582	8 x 4	
BA 437-585	8 x 6	
Combination Reducing Bushing (SP x FIPT)		
BA 438-071	1/2 x 1/8	
BA 438-072	1/2 x 1/4	
BA 438-098	3/4 x 1/4	
BA 438-101	3/4 x 1/2	
BA 438-130	1 x 1/2	
BA 438-131	1 x 3/4	
BA 438-166	1 1/4 x 1/2	
BA 438-167	1 1/4 x 3/4	
BA 438-168	1 1/4 x 1	
BA 438-209	1 1/2 x 1/2	
BA 438-210	1 1/2 x 3/4	
BA 438-211	1 1/2 x 1	
BA 438-212	1 1/2 x 1 1/4	
BA 438-247	2 x 1/2	
BA 438-248	2 x 3/4	
BA 438-249	2 x 1	



Part #	Size (inches)	Price
Combination Reducing Bushing (SP x FIPT) cont.		
BA 438-250	2 x 1 1/4	
BA 438-251	2 x 1 1/2	
BA 438-289	2 1/2 x 1	
BA 438-290	2 1/2 x 1 1/4	
BA 438-291	2 1/2 x 1 1/2	
BA 438-292	2 1/2 x 2	
BA 438-335	3 x 1	
BA 438-336	3 x 1 1/4	
BA 438-337	3 x 1 1/2	
BA 438-338	3 x 2	
BA 438-339	3 x 2 1/2	
BA 438-420	4 x 2	
BA 438-422	4 x 3	
BA 438-532	6 x 4	
Threaded Reducing Bushing (MIPT x FIPT)		
BA 439-072	1/2 x 1/4	
BA 439-098	3/4 x 1/4	
BA 439-101	3/4 x 1/2	
BA 439-130	1 x 1/2	
BA 439-131	1 x 3/4	
BA 439-167	1 1/4 x 3/4	
BA 439-168	1 1/4 x 1	
BA 439-209	1 1/2 x 1/2	
BA 439-210	1 1/2 x 3/4	
BA 439-211	1 1/2 x 1	
BA 439-212	1 1/2 x 1 1/4	
BA 439-249	2 x 1	
BA 439-250	2 x 1 1/4	
BA 439-251	2 x 1 1/2	
BA 439-292	2 1/2 x 2	
BA 439-338	3 x 2	

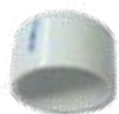


We stock an extensive inventory of white fittings. We also carry common sizes of grey schedule 40 fittings for use in greenhouses to prevent algae growth in pipes.

SCHEDULE 40 PVC FITTINGS & PVC SADDLES

Part #	Size (inches)	Price
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Cap (SLIP)



BA 447-005	1/2	
BA 447-007	3/4	
BA 447-010	1	
BA 447-012	1 1/4	
BA 447-015	1 1/2	
BA 447-020	2	
BA 447-025	2 1/2	
BA 447-030	3	
BA 447-040	4	
BA 447-060	6	
BA 447-080	8	

Cap (FIPT)



BA 448-005	1/2	
BA 448-007	3/4	
BA 448-010	1	
BA 448-012	1 1/4	
BA 448-015	1 1/2	
BA 448-020	2	
BA 448-025	2 1/2	
BA 448-030	3	
BA 448-040	4	
BA 448-060	6	

Plug (SLIP)



BA 449-005	1/2	
BA 449-007	3/4	
BA 449-010	1	
BA 449-015	1 1/2	
BA 449-020	2	

Plug (MIPT)



BA 450-005	1/2	
BA 450-007	3/4	
BA 450-010	1	
BA 450-012	1 1/4	
BA 450-015	1 1/2	
BA 450-020	2	
BA 450-025	2 1/2	
BA 450-030	3	
BA 450-040	4	

Part #	Size	Price
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Alprene Saddles

Bolt on Saddle for mounting on all Series of PVC pipe.



FL SADP205LB	2" x 1/2" (FIPT), Less Bolts
FL SADP2075LB	2" x 3/4" (FIPT), Less Bolts
FL SAD21	2" x 1" (FIPT)
FL SADP2575	2 1/2" x 3/4" (FIPT)
FL SAP31	3" x 1" (FIPT)
FL SAP315	3" x 1 1/2" (FIPT)
FL SAP42	4" x 2" (FIPT)
FL SAP42	6" x 4" (FIPT)

Wedge Saddles

Snap on Saddle for mounting on all series of PVC pipe.



FL SADP21	2" x 1" (FIPT)
FL SADP215	2" x 1 1/2" (FIPT)
FL SADP2515	2 1/2" x 1 1/2" (FIPT)
FL SADP31	3" x 1" (FIPT)
FL SADP315	3" x 1 1/2" (FIPT)
FL SADP32	3" x 2" (FIPT)
FL SADP42	4" x 2" (FIPT)
FL SADP62	6" x 2" (FIPT)
FL SADP82	8" x 2" (FIPT)

Bondable Saddles

Glue on Saddle for mounting on all Series of PVC pipe. Works great with IPS Hose (p. 34) for a Header Line



AT 32S075P15	1 1/2" x 3/4" Slip or 1" Spigot
AT 32S075P2	2" x 3/4" Slip or 1" Spigot
AT 32S075P3	3" x 3/4" Slip or 1" Spigot
AT 32S075P4	4" x 3/4" Slip or 1" Spigot

Bondable Saddles

Glue on Saddle for mounting on all series of PVC pipe with an 18mm compression fitting. For 18mm Netafim Tubing (p. 38).



AT 32P2C700	2" x 18mm compression
AT 32P3C700	3" x 18mm compression
AT 32P4C700	4" x 18mm compression

SCHEDULE 80 PVC NIPPLES & FITTINGS

Part #	Size (inches)	Price	Part #	Size (inches)	Price
BA 205-005	1/2 x (close)		BA 212-005	1 1/4 x (close)	
BA 205-020	1/2 x 2		BA 212-020	1 1/4 x 2	
BA 205-025	1/2 x 2 1/2		BA 212-025	1 1/4 x 2 1/2	
BA 205-030	1/2 x 3		BA 212-030	1 1/4 x 3	
BA 205-040	1/2 x 4		BA 212-040	1 1/4 x 4	
BA 205-050	1/2 x 5		BA 212-060	1 1/4 x 6	
BA 205-060	1/2 x 6		BA 212-080	1 1/4 x 8	
BA 205-080	1/2 x 8				
BA 205-100	1/2 x 10				
BA 205-120	1/2 x 12		BA 215-005	1 1/2 x (close)	
BA 205-180	1/2 x 18		BA 215-020	1 1/2 x 2	
BA 205-240	1/2 x 24		BA 215-030	1 1/2 x 3	
BA 205-360	1/2 x 36		BA 215-040	1 1/2 x 4	
BA 205-480	1/2 x 48		BA 215-060	1 1/2 x 6	
			BA 215-080	1 1/2 x 8	
			BA 215-120	1 1/2 x 12	
BA 207-005	3/4 x (close)				
BA 207-020	3/4 x 2				
BA 207-030	3/4 x 3		BA 220-005	2 x (close)	
BA 207-040	3/4 x 4		BA 220-025	2 x 2 1/2	
BA 207-060	3/4 x 6		BA 220-030	2 x 3	
BA 207-080	3/4 x 8		BA 220-040	2 x 4	
BA 207-120	3/4 x 12		BA 220-060	2 x 6	
BA 207-180	3/4 x 18		BA 220-080	2 x 8	
BA 207-240	3/4 x 24		BA 220-100	2 x 10	
BA 207-360	3/4 x 36				
BA 207-480	3/4 x 48				
			BA 225-005	2 1/2 x (close)	
BA 210-005	1 x (close)				
BA 210-020	1 x 2		BA 230-005	3 x (close)	
BA 210-030	1 x 3		BA 230-030	3 x 3	
BA 210-040	1 x 4		BA 230-050	3 x 5	
BA 210-060	1 x 6		BA 230-080	3" X 8"	
BA 210-080	1 x 8				
BA 210-100	1 x 10				
BA 210-120	1 x 12		BA 240-040	4 x 4	
BA 210-180	1 x 18		BA 240-080	4 x 8	
BA 210-240	1 x 24				



Part #	Size (inches)	Price
Union (S x S)		
BA 857-005	1/2"	
BA 857-007	3/4"	
BA 857-010	1"	
BA 857-012	1 1/4"	
BA 857-015	1 1/2"	
BA 857-020	2"	
BA 857-030	3"	
BA 857-040	4"	
Union (FIPT x FIPT)		
BA 858-005	1/2"	
BA 858-007	3/4"	
BA 858-010	1"	
BA 858-012	1 1/4"	
BA 858-015	1 1/2"	
BA 858-020	2"	
BA 858-030	3"	
Compression Coupler, Gasketed		
BA 0110-10	1"	
BA 0110-12	1 1/4"	
BA 0110-15	1 1/2"	
BA 0110-20	2"	
BA 0110-25	2 1/2"	
BA 0110-30	3"	
BA 0110-40	4"	
BA 0110-60	6"	
Expansion Coupler, (S x SP)		
BA CUF010	1"	
BA CUF015	1 1/2"	
BA CUF020	2"	
BA CUF025	2 1/2"	
BA CUF030	3"	
BA CUF040	4"	
BA CUF060	6"	





All of your AG irrigation needs.

LASCO Fittings offers Sch 40 and Sch 80 fittings in 1/2"-12", Class 125 fittings in 10" and 12", PVC Valves, Repair couplings and more!



LASCO
Fittings, Inc.

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WATER DRIVEN & ELECTRIC PUMPS

FOR FERTILIZER, ACID, SANITIZERS & MOST CHEMICALS

MixRite



DEMA

AGRICULTURE
SOLUTIONS

PVC FLANGES & ACCESSORIES

Part #	Size	Price
--------	------	-------



Xirtec 7 PVC Primer

Softens the PVC for a solid weld; excellent choice for cold weather applications. Purple in colour.

ET 70HP	Half Pint
ET 70PT	Pint
ET 70QT	Quart
ET 70GL	Gallon
ET 70PTC	Clear Primer (Pint)



Xirtec 11 PVC Cement

For all classes and schedules, (including Sch. 80), heavy bodied with medium set. Grey in colour

ET 711HP	Half Pint
ET 711PT	Pint
ET 711QT	Quart
ET 711GL	Gallon
ET 725QT	Ipxex 25 Wet/Dry, Med. Body, Aqua Blue



Applicant Tools

ET074317	4" Roller for Qt. Can
ETDQ-150	Cap Dauber for Qt. Can
ETDB75	Cap Dauber for 1/2 Pint Can



Pipe Clamps for PVC Pipe

Easy to install latchable clips will hold your PVC pipe securely.



BA PP05	1/2"
BA PP075	3/4"
BA PP100	1"
BA PP125	1 1/4"
BA PP150	1 1/2"
BA PP200	2"
BA PP300	3"

Ask our experts about proper solvent welding techniques.

Part #	Size (inches)	Price
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Flange (SLIP)

BA 851-020	2"
BA 851-030	3"
BA 851-040	4"
BA 851-060	6"

Flange (FIPT)

BA 852-030	3"
BA 852-040	4"

Flange, Loose Ring (Vanstone) (SLIP)



BA 854-030	3"
BA 854-040	4"
BA 854-060	6"
BA 854-080	8"

Flange Gaskets



GA PVBFG3	3"
GA PVBFG4	4"
GA PVBFG5	5"
GA PVBFG6	6"
GA PVBFG8	8"
GA PVBFG10	10"
GA PVBFG12	12"

Flange Bolt Kits (incl. bolts, lock washers & nuts)



GA PVBK3xxx	3" Flange Bolt Kits, 5/8" bolt with lengths available from 1 1/2 to 5 1/2" long
GA PVBK4xxx	4" Flange Bolt Kits, 5/8" bolt with lengths available from 1 1/2 to 5 1/2" long
GA PVBK568xxx	5", 6" & 8" Flange Bolt Kits, 3/4" bolt with lengths available from 1 1/2" to 6" long

UNDERGROUND RISERS & ACCESSORIES

Part #	Description	Size	Price
Risers for Wade Rain Hydrants (not incl.)			
AR 6442FF-22	42" High, MIPT, Double 2" Arm (use 7-4D)	6"x4"	
AR 6642FF-22	42" High, MIPT, Double 2" Arm (use 7-6D)	6"x6"	
AR 8642FF-22	42" High, MIPT, Double 2" Arm (use 7-6D)	8"x6"	
AR 6442FF-2	42" High, MIPT, Single 2" Arm (use 7-4D)	6"x4"	
AR 6642FF-2	42" High, MIPT, Single 2" Arm (use 7-6D)	6"x6"	
AR 8642FF-2	42" High, MIPT, Single 2" Arm (use 7-6D)	8"x6"	
Risers w/ Universal Valves for Universal Openers			
AR 6642FFV-22	42" High, Upward Valve, Double 2" Arm	6"x6"	
AR 8642FFV-22	42" High, Upward Valve, Double 2" Arm	8"x6"	
AR 6642FFV-2	42" High, Upward Valve, Single 2" Arm	6"x6"	
AR 8642FFV-2	42" High, Upward Valve, Single 2" Arm	8"x6"	
BF SEP43	Pressure Relief Valve, 125 to 180 P.S.I.	4"	
BF SEP42AD	Adapter for Pressure Relief Valve	2"x4"	
AT 65ARIB2PP	Continuous Air & Vacuum Relief Vent	2"	
BF AV-150B2	Aluminum Air Relief Vent	2"	
BC SUVE0605	Universal Steel Valve Opener	6"x5"	
BC SUVE0606	Universal Steel Valve Opener	6"x6"	
BC SUVE0606X8	Universal Steel Valve Opener with 8" height extension	6"x6"	



Riser, Double Arm
with
Gasket x Gasket x
MIPT



Riser, Single Arm
with
Gasket x Gasket x
MIPT



Riser, Double
Arm, Upward
Opening Valve
Gasket x Gasket
x Valve



Riser, Single Arm,
Upward Opening
Valve
Gasket x Gasket
x Valve

Underground Riser for Wade Rain

Risers with Double Arms are to accommodate a Pressure Relief Valve & Air Vent and are placed at the beginning & end of the underground line. Risers with Single Arms are to accommodate Air Vents only.



Universal
Valve Opener



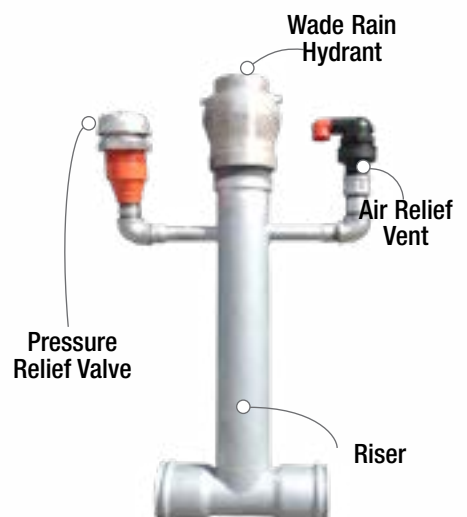
Pressure
Relief Valve
2" x 4"
Adapter



Travis Air
Relief Vent





Netafim
Continuous
Air Relief Vent



For Wade Rain hydrants, please see page 74


GALVANIZED GASKETED FITTINGS


Z-Pipes, Couplers & Elbows


	Part #	Description	Size	Price	AR
	AR 3-0566-0	Z-Pipe, Flange x Flange	4"		
	AR 3-0567-0	Z-Pipe, Flange x Coupler	6"		
	AR 3-0567-1	Z-Pipe, Flange x Flange	6"		
	AR 3-7180-0	Z-Pipe, Flange x Coupler	8"		
	AR 102P	Z-Pipe, Flange x Coupler	10"		
	AR SA6	Starter Pipe, Flange x Coupler Starter	6" x 10'		
	AR SA8	Pipe Flange x Coupler	8" x 10'		


Part #	Size	Price
Starter Coupler, Flange x Coupler		
EPCFA4	4"	
AR EPCFA6	6"	
AR EPCFA8	8"	

Part #	Size	Price
Reducing Coupler		
AR EPRC64	4"x6"	
AR EPRC86	6"x8"	
AR EPRC108	8"x10"	

Weld-On Coupler		
	AR EPSC4	4"
	AR EPSC6	6"
	AR EPSC8	8"

45° Elbow (Gasket x Gasket)		
	AR EPL454	4"
	AR EPL456	6"
	AR EPL458	8"
	AR EPL4510	10"

Repair Coupler		
	AR EPRS4	4"
	AR EPRS6	6"
	AR EPRS8	8"

90° Elbow, (Gasket x Gasket)		
	AR EPL904	
	AR EPL906	4"
	AR EPL908	6"
	AR EPL9010	8"
		10"

Pipe Lubricant - 1 Quart



ETLUBE-Q

GALVANIZED GASKETED FITTINGS

Tees, Wyes, Crosses, & Dead End

Part #	Size	Price
Tee (Gask. x Gask. x Gask.)		
AR EPT4	4"	
AR EPT6	6"	
AR EPT664	6" x 4"	
AR EPT8	8"	
AR EPT886	8" x 6"	
AR EPT10	10"	



Part #	Size	Price
Combo Tee (Gask. x Gask. x FIPT)		
AR EPOCF44	4" x 4"	
AR EPOCF64	6" x 4"	
AR EPOCF66	6" x 6"	
AR EPOCF83	8" x 3"	
AR EPOCF86	8" x 6"	



Part #	Size	Price
Dead End (Gasketed Cap)		
AR EPDE4	4"	
AR EPDE6	6"	
AR EPDE8	8"	
AR EPDE10	10"	



Part #	Size	Price
Cross (Gask. x Gask. x Gask. x Gask.)		
AR EPX6	6"	
AR EPX8	8"	



Part #	Size	Price
End Wye (Gask. x Gask. x Gask.)		
AR EPY6-END	6"	
AR EPY8-END	8"	



Part #	Size	Price
In Line Wye (Gask. x Gask. x Gask.)		
AR EPY6	6"	



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POLY PIPE & HIGH PRESSURE HOSE



Superb, high-quality flexible irrigation pipe available in a wide range of sizes and resins to meet your specifications and price.

Oil Creek Plastics
Poly Pipe. 25 Year Warranty
100 PSI, Medium Density

Part #	Size	Roll Length	Price
TN NSF07100	3/4"	100'	
TN NSF07400	3/4"	400'	
TN NSF10100	1"	100'	
TN NSF10300	1"	300'	
TN NSF12300	1 1/4"	300'	
TN NSF15250	1 1/2"	250'	
TN NSF20100	2"	100'	
TN NSF20200	2"	200'	



Ipex C.S.A. Red Stripe
Poly Pipe. Approved for
Potable Water 75 PSI, Low Density



Part #	Size	Roll Length	Price
TN CSA07400	3/4"	400'	
TN CSA10300	1"	300'	
TN CSA12300	1 1/4"	300'	
TN CSA15250	1 1/2"	250'	
TN CSA20100	2"	100'	



Ipex Irrigation 2000
Poly Pipe. 80 PSI, Medium Density

Part #	Size	Roll Length	Price
TN IRR07100	3/4"	100'	
TN IRR07400	3/4"	400'	
TN IRR10100	1"	100'	
TN IRR10300	1"	300'	
TN IRR12300	1 1/4"	300'	
TN IRR15250	1 1/2"	250'	
TN IRR20100	2"	100'	

High Pressure Hose

Part #	Nominal Size	Working PSI	Price
Reinforced Clear PVC Hose			
EG RPH05	1/2"	200	
EG RPH075	3/4"	150	
EG RPH100	1"	125	
EG RPH125	1 1/4"	100	
EG RPH150	1 1/2"	100	
Multi-Purpose Reinforced Red Rubber Hose			
EG MPH075	3/4"	200	
EG MPH100	1"	200	
EG MPH125	1 1/4"	150	
EG MPH150	1 1/2"	150	
EG MPH200	2"	150	



Garden Hose

Part #	Size	Price
Kuri Tec's Heavy Duty Reinforced PVC Water Hose is long lasting and abrasion resistant.		
EG GH07550	3/4" x 50' with couplers	
EG GH075100	3/4" x 100' with couplers	
EG GH1050	1" x 50' with couplers	
EG GH1100	1" x 100' with couplers	



LAYFLAT & OVAL HOSE

Layflat Discharge Hose may also be used for a Dripperline header/manifold line. Layflat is a better choice for supply lines and Delivery Hoses for Pumps and Filters.

Layflat Discharge Hose

	Part #	Size	Working PSI	Roll Length	Price
G-H HilcoFlex Agro, Black - Heavy Duty					



EGPIR3	3"	250	660'
EGPIR4	4"	250	660'
EGPIR5	5"	250	660'
EGPIR6	6"	200	660'



Ironsides, Brown - Medium Duty					
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EG IS150*	1 1/2"	150	300'
EGPR200	2"	150	300'
EGPR300	3"	150	300'
EGPR400	4"	125	300'
EGPR600	6"	115	300'



Layflat, Green & Blue - Standard Duty					
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EGPB200	2"	80	300'
EGPB300	3"	80	300'
EGPB400	4"	80	300'

Product also available by the foot.

Oval Tubing

	Part #	Size	Working PSI	Roll Length	Price
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AA 1521600	1 1/2"	21	600'
AA 221	2"	21	450'
AA 321	3"	21	200'
AA 421	4"	21	130'



FlexNet Parts

	Part #	Description	Price
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AT 05FXPLUG050MPT-B	1/2" MPT Short Plug (Bag 50)
AT 05FX050MTEX636TL-B	630 TWD Tee Connection Twist Lock (Bag 100)
AT 05FX050MELX636TL-B	630 TWD Elbow Connection Twist Lock (Bag 100)

Contact our expert Sales Team for available sizes and custom ordering.












Surface Installation








Subsurface Installation






PVC INSERT FITTINGS

Part #	Size (inches)	Price
Tee (I x I x I)		
 BA 1401-005	1/2	
BA 1401-007	3/4	
BA 1401-010	1	
BA 1401-012	1 1/4	
BA 1401-015	1 1/2	
BA 1401-020	2	
BA 1401-030	3	
BA 1401-040	4	
Reducing Tee (I x I x I)		
 BA 1401-074	1/2 x 1/2 x 3/4	
BA 1401-094	3/4 x 1/2 x 1/2	
BA 1401-101	3/4 x 3/4 x 1/2	
BA 1401-102	3/4 x 3/4 x 1	
BA 1401-125	1 x 3/4 x 3/4	
BA 1401-130	1 x 1 x 1/2	
BA 1401-131	1 x 1 x 3/4	
BA 1401-132	1 x 1 x 1 1/4	
BA 1401-157	1 1/4 x 1 x 3/4	
BA 1401-158	1 1/4 x 1 x 1	
BA 1401-166	1 1/4 x 1 1/4 x 1/2	
BA 1401-167	1 1/4 x 1 1/4 x 3/4	
BA 1401-168	1 1/4 x 1 1/4 x 1	
BA 1401-202	1 1/2 x 1 1/4 x 1	
BA 1401-209	1 1/2 x 1 1/2 x 1/2	
BA 1401-210	1 1/2 x 1 1/2 x 3/4	
BA 1401-211	1 1/2 x 1 1/2 x 1	
BA 1401-212	1 1/2 x 1 1/2 x 1 1/4	
BA 1401-241	2 x 2 x 1/2	
BA 1401-247	2 x 1 1/2 x 1 1/2	
BA 1401-248	2 x 2 x 3/4	
BA 1401-249	2 x 2 x 1	
BA 1401-250	2 x 2 x 1 1/4	
BA 1401-251	2 x 2 x 1 1/2	
Combination Tee (I x I x FIPT)		
 BA 1402-005	1/2	
BA 1402-007	3/4	
BA 1402-010	1	
BA 1402-012	1 1/4	
BA 1402-015	1 1/2	
BA 1402-020	2	
Combination & Reducing Tee (I x I x FIPT)		
 BA 1402-101	3/4 x 3/4 x 1/2	
BA 1402-124	1 x 3/4 x 1/2	
BA 1402-125	1 x 3/4 x 3/4	
BA 1402-130	1 x 1 x 1/2	
BA 1402-131	1 x 1 x 3/4	
BA 1402-157	1 1/4 x 1 x 3/4	
BA 1402-166	1 1/4 x 1 1/4 x 1/2	

Part #	Size (inches)	Price
Combination & Reducing TEE (I x I x FIPT) cont.		
 BA 1402-167	1 1/4 x 1 1/4 x 3/4	
BA 1402-168	1 1/4 x 1 1/4 x 1	
BA 1402-209	1 1/2 x 1 1/2 x 1/2	
BA 1402-210	1 1/2 x 1 1/2 x 3/4	
BA 1402-211	1 1/2 x 1 1/2 x 1	
BA 1402-247	2 x 2 x 1/2	
BA 1402-248	2 x 2 x 3/4	
BA 1402-249	2 x 2 x 1	
BA 1402-251	2 x 2 x 1 1/2	
Combination Tee (I x I x MIPT)		
 BA 1403-005	1/2	
BA 1403-007	3/4	
BA 1403-010	1	
BA 1403-012	1 1/4	
BA 1403-015	1 1/2	
BA 1403-020	2	
90° Elbow (I x I)		
 BA 1406-005	1/2	
BA 1406-007	3/4	
BA 1406-010	1	
BA 1406-012	1 1/4	
BA 1406-015	1 1/2	
BA 1406-020	2	
BA 1406-030	3	
BA 1406-040	4	
Reducing 90° Elbow (I x I)		
 BA 1406-101	3/4 x 1/2	
BA 1406-131	1 x 3/4	
BA 1406-168	1 1/4 x 1	
Combination 90° Elbow (I x FIPT)		
 BA 1407-005	1/2	
BA 1407-007	3/4	
BA 1407-010	1	
BA 1407-012	1 1/4	
BA 1407-015	1 1/2	
BA 1407-020	2	

PVC INSERT FITTINGS

	Part #	Size (inches)	Price
	Combination & Reducing 90° Elbow (I x FIPT)		
	BA 1407-101	3/4 x 1/2	
	BA 1407-130	1 x 1/2	
	BA 1407-131	1 x 3/4	
	BA 1407-166	1 1/4 x 1/2	
	BA 1407-167	1 1/4 x 3/4	
	BA 1407-168	1 1/4 x 1	
	BA 1407-211	1 1/2 x 1	
	BA 1407-212	1 1/2 x 1 1/4	
	BA 1407-251	2 x 1 1/2	
	Combination 90° Elbow (I x MIPT)		
	BA 1413-005	1/2	
	BA 1413-007	3/4	
	BA 1413-010	1	
	BA 1413-012	1 1/4	
	BA 1413-015	1 1/2	
	BA 1413-020	2	
	Cross (I x I x I x I)		
	BA 1420-007	3/4	
	BA 1420-010	1	
	Coupling (I x I)		
	BA 1429-005	1/2	
	BA 1429-007	3/4	
	BA 1429-010	1	
	BA 1429-012	1 1/4	
	BA 1429-015	1 1/2	
	BA 1429-020	2	
	BA 1429-030	3	
	BA 1429-040	4	
	AA IC03	3" for Flat Tube	
	AA IC04	4" for Flat Tube	
	Reducing Coupling (I x I)		
	BA 1429-101	3/4 x 1/2	
	BA 1429-130	1 x 1/2	
	BA 1429-131	1 x 3/4	
	BA 1429-167	1 1/4 x 3/4	
	BA 1429-168	1 1/4 x 1	

	Part #	Size (inches)	Price
	Reducing Coupling (I x I) cont.		
	BA 1429-210	1 1/2 x 3/4	
	BA 1429-211	1 1/2 x 1	
	BA 1429-212	1 1/2 x 1 1/4	
	BA 1429-249	2 x 1	
	BA 1429-250	2 x 1 1/4	
	BA 1429-251	2 x 1 1/2	
	BA 1429-338	3 x 2	
	BA 1429-422	4 x 3	
	Female Adapter (I x FIPT)		
	BA 1435-005	1/2	
	BA 1435-007	3/4	
	BA 1435-010	1	
	BA 1435-012	1 1/4	
	BA 1435-015	1 1/2	
	BA 1435-020	2	
	Male Adapter (I x MIPT)		
	BA 1436-005	1/2	
	BA 1436-007	3/4	
	BA 1436-010	1	
	BA 1436-012	1 1/4	
	BA 1436-015	1 1/2	
	BA 1436-020	2	
	BA 1436-030	3	
	BA 1436-040	4	
	Male Reducing Adapter (MIPT x I)		
	BA 1436-074	1/2 x 3/4	
	BA 1436-075	1/2 x 1	
	BA 1436-101	3/4 x 1/2	
	BA 1436-102	3/4 x 1	
	BA 1436-131	1 x 3/4	
	BA 1436-132	1 x 1 1/4	
	BA 1436-133	1 x 1 1/2	
	BA 1436-167	1 1/4 x 3/4	
	BA 1436-168	1 1/4 x 1	
	BA 1436-169	1 1/4 x 1 1/2	
	BA 1436-211	1 1/2 x 1	
	BA 1436-212	1 1/2 x 1 1/4	
	BA 1436-213	1 1/2 x 2	
	BA 1436-251	2 x 1 1/2	
	Plug (Insert)		
	BA 1449-005	1/2	
	BA 1449-007	3/4	
	BA 1449-010	1	
	BA 1449-012	1 1/4	
	BA 1449-015	1 1/2	
	BA 1449-020	2	

Kwik Tap Poly Pipe Saddles

Part #	Size	Price
FL KT755	3/4" x 1/2"	
FL KT7575	3/4" x 3/4"	
FL KT15	1" x 1/2"	
FL KT175	1" x 3/4"	
FL KT125	1 1/4" x 1/2"	
FL KT1275	1 1/4" x 3/4"	
FL KT155	1 1/2" x 1/2"	
FL KT1575	1 1/2" x 3/4"	



Hole
Coring Tool

Poly Pipe
Cutter



Poly Pipe Saddles & Accessories

Part #	Size	Price
AX SADP755	3/4" x 1/2"	
AX SADP7575	3/4" x 3/4"	
AX SADP15	1" x 1/2"	
AX SADP175	1" x 3/4"	
FL HCC	Hole Core for above saddles	
MB 010-1000	1" Poly Pipe Cutter	
MB 010-1025	1 1/4" Poly Pipe Cutter	
MB 010-3000	1 1/2" Poly Pipe Cutter	

Zinc Plated Insert Fittings

Part #	Size (inches)	Price
Coupling (I x I)		
DC 075HM-PL	3/4"	
DC 100HM-PL	1"	
DC 125HM-PL	1 1/4"	
DC 150HM-PL	1 1/2"	
DC 200HM-PL	2"	
DC 300HM-PL	3"	
DC 400HM-PL	4"	
Male Adapter (I x MIPT)		
DC 075CN-PL	3/4"	
DC 100CN-PL	1"	
DC 125CN-PL	1 1/4"	
DC 150CN-PL	1 1/2"	
DC 200CN-PL	2"	
DC 300CN-PL	3"	
DC 400CN-PL	4"	
Male Adapter, Small Diameter Barb (I x MIPT)		
DC 012CN	1 1/4"	
DC 015CN	1 1/2"	
DC 020CN	2"	



Insert Adapters

Part #	Size (inches)	Price
Adapter (Slip x Insert)		
BA 474-030	3"	
BA 474-040	4"	
Adapter (Spigot x Insert)		
BA 474-030SP	3"	
BA 474-040SP	4"	



Coupler (Insert x Insert)		
AA IC03	3"	
AA IC04	4"	







Garden Hose Fittings

Part #	Size	Price
Barb x Female Hose Thread		
OG 065X075HBF	5/8" BARB x 3/4" FHT, Brass	
OG 075X075HBCS	3/4" BARB x 3/4" FHT, Brass	
Barb x Male Hose Thread		
OG 065X075HBM	5/8" BARB x 3/4" MHT, Brass	
OG 075X075HBC	3/4" BARB x 3/4" MHT, Brass	
Female Hose Adapters		
OG 075FSC	3/4", FHT x FHT, Brass	
OR 50043	3/4", FHT x FIPT, Brass	
BA FHT-206	3/4", FHT x FIPT, PVC	
Male Hose Adapters		
OR 53259	3/4", MHT x MHT, Brass	
OR 50041	3/4", MHT x MIPT, Brass	
BA N-1	3/4", MHT x MIPT, PVC	
Hose Adapters		
OR 50060	3/4", MIPT x FHT, Brass	
BA FAM-H5P	3/4", MIPT x FHT, PVC	
OG 075X075MHFI	3/4", FIPT x MHT, Brass	
Hose Wye Adapters		
OR 91700	3/4", FHT x MHT x MHT, Brass	




Galvanized Fittings


	Part #	Size	Price
	Tee, (FIPTxFIPTxFIPT)		
	FH 0125TG	1/8"	
	FH 025TG	1/4"	
	FH 0375TG	3/8"	
	FH 05TG	1/2"	
	FH 075TG	3/4"	
	FH 100TG	1"	
	FH 125TG	1 1/4"	
	FH 150TG	1 1/2"	
	FH150X15X1RTG	1 1/2"x1 1/2"x1"	
	FH 200TG	2"	
	FH 200X2X1RTG	2" x 2" x 1"	
	FH 250TG	2 1/2"	
	FH 300TG	3"	
	FH 400TG	4"	
	FH 600TG	6"	
	90° Elbow, (FIPTxFIPT)		
	FH 0125X90EG	1/8"	
	FH 025X90EG	1/4"	
	FH 0375X90EG	3/8"	
	FH 05X90EG	1/2"	
	FH 075X90EG	3/4"	
	FH 100X90EG	1"	
	FH 125X90EG	1 1/4"	
	FH 150X90EG	1 1/2"	
	FH 200X90EG	2"	
	FH 250X90EG	2 1/2"	
	FH 300X90EG	3"	
	FH 400X90EG	4"	
	FH 600X90EG	6"	
	45° Elbow, (FIPTxFIPT)		
	FH 05X45EG	1/2"	
	FH 075X45EG	3/4"	
	FH 100X45EG	1"	
	FH 125X45EG	1 1/4"	
	FH 150X45EG	1 1/2"	
	FH 200X45EG	2"	
	FH 300X45EG	3"	
	90° Street Elbow, (FIPTxMIPT)		
	FH 0125X90SEG	1/8"	
	FH 025X90SEG	1/4"	
	FH 0375X90SEG	3/8"	
	FH 05X90SEG	1/2"	
	FH 075X90SEG	3/4"	
	FH 100X90SEG	1"	
	FH 125X90SEG	1 1/4"	
	FH 150X90SEG	1 1/2"	
	FH 200X90SEG	2"	

Fittings are also available in Black Steel.


	Part #	Size	Price
	45° Street Elbow, (FIPTxMIPT)		
	FH 025X45SEG	1/4"	
	FH 05X45SEG	1/2"	
	FH 100X45SEG	1"	
	FH 125X45SEG	1 1/4"	
	FH 150X45SEG	1 1/2"	
	Cross, (FIPTxFIPTxFIPTxFIPT)		
	FH 100CRG	1"	
	FH 125CRG	1 1/4"	
	FH 150CRG	1 1/2"	
	FH 200CRG	2"	
	FH 300CRG	3"	
	Union, (FIPTxFIPT)		
	FH 05UG	1/2"	
	FH 075UG	3/4"	
	FH 100UG	1"	
	FH 125UG	1 1/4"	
	FH 150UG	1 1/2"	
	Coupler, (FIPTxFIPT)		
	FH 0125CG	1/8"	
	FH 025CG	1/4"	
	FH 0375CG	3/8"	
	FH 05CG	1/2"	
	FH 075CG	3/4"	
	FH 100CG	1"	
	FH 125CG	1 1/4"	
	FH 150CG	1 1/2"	
	FH 200CG	2"	
	FH 250CG	2 1/2"	
	FH 300CG	3"	
	FH 400CG	4"	
	FH 500CG	5"	
	FH 600CG	6"	
	Reducing Coupling, (FIPTxFIPT)		
	FH 025X0125RCG	1/4" x 1/8"	
	FH 0375X025RCG	3/8" x 1/4"	
	FH 05X025RCG	1/2" x 1/4"	
	FH 05X0375RCG	1/2" x 3/8"	
	FH 075X0375RCG	3/4" x 3/8"	
	FH 075X05RCG	3/4" x 1/2"	
	FH 100X075RCG	1" x 3/4"	
	FH 125X1RCG	1 1/4" x 1"	
	FH 150X1RCG	1 1/2" x 1"	
	FH 150X125RCG	1 1/2" x 1 1/4"	
	FH 200X125RCG	2" x 1 1/4"	
	FH 200X150RCG	2" x 1 1/2"	
	FH 250X2RCG	2 1/2" x 2"	
	FH 300X2RCG	3" x 2"	


Galvanized Fittings


	Part #	Size	Price
	Reducing Bushing, (MIPTxFIPT)		
	FH 025X0125BG	1/4" x 1/8"	
	FH 0375X0125BG	3/8" x 1/8"	
	FH 0375X025BG	3/8" x 1/4"	
	FH 05X025BG	1/2" x 1/4"	
	FH 05X0375BG	1/2" x 3/8"	
	FH 075X0125BG	3/4" x 1/8"	
	FH 075X025BG	3/4" x 1/4"	
	FH 075X0375BG	3/4" x 3/8"	
	FH 075X05BG	3/4" x 1/2"	
	FH 100X025BG	1" x 1/4"	
	FH 100X05BG	1" x 1/2"	
	FH 100X075BG	1" x 3/4"	
	FH 125X1BG	1 1/4" x 1"	
	FH 150X1BG	1 1/2" x 1"	
	FH 150X125BG	1 1/2" x 1 1/4"	
	FH 200X1BG	2" x 1"	
	FH 200X125BG	2" x 1 1/4"	
	FH 200X150BG	2" x 1 1/2"	
	FH 250X2BG	2 1/2" x 2"	
	FH 300X2BG	3" x 2"	
	FH 300X25BG	3" x 2 1/2"	
	FH 400X2BG	4" x 2"	
	FH 400X3BG	4" x 3"	
	FH 600X4BG	6" x 4"	
	Cap, (FIPT)		
	FH 0125CAG	1/8"	
	FH 025CAG	1/4"	
	FH 0375CAG	3/8"	
	FH 05CAG	1/2"	
	FH 075CAG	3/4"	
	FH 100CAG	1"	
	FH 125CAG	1 1/4"	
	FH 150CAG	1 1/2"	
	FH 200CAG	2"	
	FH 300CAG	3"	
	FH 400CAG	4"	
	FH 600CAG	6"	
	Plug, (MIPT)		
	FH 025PG	1/4"	
	FH 0375PG	3/8"	
	FH 05PG	1/2"	
	FH 075PG	3/4"	
	FH 100PG	1"	
	FH 125PG	1 1/4"	
	FH 150PG	1 1/2"	
	FH 200PG	2"	


Nipple, (MIPTxMIPT)	Part #	Size	Price
	FH 0125CNG	1/8" x close	
	FH 0125X2NG	1/8" x 2"	
	FH 0125X3NG	1/8" x 3"	
	FH 025CNG	1/4" x close	
	FH 025X2NG	1/4" x 2"	
	FH 025X3NG	1/4" x 3"	
	FH 025X4NG	1/4" x 4"	
	FH 0375CNG	3/8" x close	
	FH 0375X2NG	3/8" x 2"	
	FH 0375X3NG	3/8" x 3"	
	FH 05CNG	1/2" x close	
	FH 05X25NG	1/2" x 2 1/2"	
	FH 05X4NG	1/2" x 4"	
	FH 05X6NG	1/2" x 6"	
	FH 075CNG	3/4" x close	
	FH 075X25NG	3/4" x 2 1/2"	
	FH 075X6NG	3/4" x 6"	
	FH 100CNG	1" x close	
	FH 100X2NG	1" x 2"	
	FH 100X25NG	1" x 2 1/2"	
	FH 100X3NG	1" x 3"	
	FH 100X4NG	1" x 4"	
	FH 100X6NG	1" x 6"	
	FH 100X8NG	1" x 8"	
	FH 100X10NG	1" x 10"	
	FH 100X12NG	1" x 12"	
	FH 125CNG	1 1/4" x close	
	FH 125X2NG	1 1/4" x 2"	
	FH 125X35NG	1 1/4" x 3 1/2"	
	FH 125X4NG	1 1/4" x 4"	
	FH 125X5NG	1 1/4" x 5"	
	FH 125X6NG	1 1/4" x 6"	
	FH 150XCNG	1 1/2" x close	
	FH 150X2NG	1 1/2" x 2"	
	FH 150X3NG	1 1/2" x 3"	
	FH 150X4NG	1 1/2" x 4"	
	FH 150X6NG	1 1/2" x 6"	
	FH 200CNG	2" x close	
	FH 200X3NG	2" x 3"	
	FH 200X4NG	2" x 4"	
	FH 200X6NG	2" x 6"	
	FH 200X8NG	2" x 8"	
	FH 250CNG	2 1/2" x close	
	FH 250X35NG	2 1/2" x 3 1/2"	
	FH 250X6NG	2 1/2" x 6"	
	FH 300CNG	3" x close	
	FH 300X4NG	3" x 4"	
	FH 300X45NG	3" x 4 1/2"	
	FH 400CNG	4" x close	
	FH 400X4NG	4" x 4"	
	FH 400X9NG	4" x 9"	
	FH 400X10NG	4" x 10"	
	FH 600CNG	6" x close	


KAMLOX FITTINGS


	Part #	Size	Price
Type A - Male x FIPT			
	DC075A-AL	3/4"	
	DC100A-AL	1"	
	DC125A-AL	1 1/4"	
	DC150A-AL	1 1/2"	
	DC200A-AL	2"	
	DC300A-AL	3"	
	DC400A-AL	4"	
	DC600A-AL	6"	


	Part #	Size	Price
Type E - Male x Barb			
	DC075E-AL	3/4"	
	DC100E-AL	1"	
	DC125E-AL	1 1/4"	
	DC150E-AL	1 1/2"	
	DC200E-AL	2"	
	DC300E-AL	3"	
	DC400E-AL	4"	
	DC600E-AL	6"	


	Part #	Size	Price
Type B - Female x MIPT			
	DC075B-AL	3/4"	
	DC100B-AL	1"	
	DC125B-AL	1 1/4"	
	DC150B-AL	1 1/2"	
	DC200B-AL	2"	
	DC300B-AL	3"	
	DC400B-AL	4"	
	DC600B-AL	6"	

	Part #	Size	Price
Type F - Male x MIPT			
	DC075F-AL	3/4"	
	DC100F-AL	1"	
	DC125F-AL	1 1/4"	
	DC150F-AL	1 1/2"	
	DC200F-AL	2"	
	DC300F-AL	3"	
	DC400F-AL	4"	
	DC600F-AL	6"	

	Part #	Size	Price
Type C - Female x Barb			
	DC075C-AL	3/4"	
	DC100C-AL	1"	
	DC125C-AL	1 1/4"	
	DC150C-AL	1 1/2"	
	DC200C-AL	2"	
	DC300C-AL	3"	
	DC400C-AL	4"	
	DC600C-AL	6"	

	Part #	Size	Price
Type DC - Female Dust Cap			
	DC075DC-AL	3/4"	
	DC100DC-AL	1"	
	DC125DC-AL	1 1/4"	
	DC150DC-AL	1 1/2"	
	DC200DC-AL	2"	
	DC300DC-AL	3"	
	DC400DC-AL	4"	
	DC600DC-AL	6"	

	Part #	Size	Price
Type D - Female x FIPT			
	DC075D-AL	3/4"	
	DC100D-AL	1"	
	DC125D-AL	1 1/4"	
	DC150D-AL	1 1/2"	
	DC200D-AL	2"	
	DC300D-AL	3"	
	DC400D-AL	4"	
	DC600D-AL	6"	

	Part #	Size	Price
Kamlox Gaskets			
	DC075F-AL	3/4"	
	DC100F-AL	1"	
	DC125F-AL	1 1/4"	
	DC150F-AL	1 1/2"	
	DC200F-AL	2"	
	DC300F-AL	3"	
	DC400F-AL	4"	
	DC600F-AL	6"	

CLAMPS

Mikalor Supra Clamps

Part #	Nominal Size	Min. Size	Max. Size	Price
QG M048051		1.9"	2.0"	
QG M052055	2"	2.0"	2.2"	
QG M056059		2.2"	2.3"	
QG M074079		2.9"	3.1"	
QG M080085	3"	3.4"	3.6"	
QG M098103		3.9"	4.1"	
QG M104112		4.1"	4.4"	
QG M113121	4"	4.4"	4.8"	
QG M122130		4.8"	5.1"	
QG M131139		5.2"	5.5"	
QG M140148	5"	5.5"	5.8"	
QG M149161		5.9"	6.3"	
QG M162174	6"	6.4"	6.9"	



Marine Grade All Stainless Steel Gear Clamps

Part #	Nominal Size	Min. Size	Max. Size	Price
QG HF04SS		7/32"	5/8"	
QG HF06SS		7/16"	25/32"	
QG HF08SS	1/2"	1/2"	29/32"	
QG HF10SS		9/16"	1 1/16"	
QG HF12SS	3/4"	11/16"	1 1/4"	
QG HF16SS	1"	3/4"	1 1/2"	
QG HF20SS	1 1/4"	13/16"	1 3/4"	
QG HF24SS	1 1/2"	1 1/16"	2"	
QG HF32SS	2"	1 9/16"	2 1/2"	
QG HF36SS		1 13/16"	2 3/4"	
QG HF48SS	3"	2 9/16"	3 1/2"	
QG HF64SS	4"	3 9/16"	4 1/2"	



Stainless Steel 5/8" Punch Lock Clamps

Part #	Inside Diam.	Application	Price
QG CP20S	5"	for 4" & 4 1/2" Hose	
QG CP24S	6"	for 5" Hose	
QG CP28S	7"	for 6" Hose	
QG CP32S	8"	for 8" Hose	
QG CP24S	10"	for 8" HilcoFlex	
DC P38		Punch Lock Tool	



Tigerflex Spiral Clamps

Part #	Size	Price
EG SDBC2	2"	
EG SDBC3	3"	
EG SDBC4	4"	
EG SDBC5	5"	
EG SDBC6	6"	
EG SDBC8	8"	
EG SDBC10	10"	
EG SDBC12	12"	



Oetiker (Zinc Plated Ear) Clamps

Part #	Size	Price
QG 256R	3/4" Poly Pipe	
QG 271R	3/4" CSA (75 PSI) Poly	
QG 286R	3/4" CSA (100 PSI) Poly	
QG 331R	1" Poly Pipe	
QG 346	1" CSA (75 PSI) Poly	



QG 1098	Standard Pinchers
QG 1098LH	Long Handle Pinchers

PUMP DISCHARGE ADAPTERS



Wade Knob Style



Wade Ring Lock



Wade Hook Style



Ames



Bauer Step Bow, (includes Lever & Gasket)

Gaskets are included in all Discharge Adapters

Part #	MIPT Size	Coupler Size	Coupler Type	Price
BE 11-2MXF15X2	1 1/2"	2"	Wade Knob Style	
BE 11-2MXF15X3	1 1/2"	3"	Wade Knob Style	
BE 11-2MXF2X2	2"	2"	Wade Knob Style	
BE 11-2MXF2X3	2"	3"	Wade Knob Style	
BE 11-2MXF2X4	2"	4"	Wade Knob Style	
BE 11-2MXF3X3	3"	3"	Wade Knob Style	
BE 11-2MXF3X4	3"	4"	Wade Knob Style	
BE 11-2MXF3X5	3"	5"	Wade Knob Style	
BE 11-2MXF4X4	4"	4"	Wade Knob Style	
BE 11-2MXF4X5	4"	5"	Wade Knob Style	
BE 11-2MXF4X6	4"	6"	Wade Knob Style	
BE 11-2MXF5X4	5"	4"	Wade Knob Style	
BE 11-2MXF5X5	5"	5"	Wade Knob Style	
BE 11-2MXF5X6	5"	6"	Wade Knob Style	
BE 11-2MXF6X4	6"	4"	Wade Knob Style	
BE 11-2MXF6X5	6"	5"	Wade Knob Style	
BE 11-2MXF6X6	6"	6"	Wade Knob Style	
BE 11-2MXF2X2-HS	2"	2"	Wade Hook Style	
BE 11-2MXF4X5RL	4"	5"	Wade Ring Lock	
BE 11-2MXF4X6RL	4"	6"	Wade Ring Lock	
BE 11-2MXF4X8RL	4"	8"	Wade Ring Lock	
BE 11-2MXF5X6RL	5"	6"	Wade Ring Lock	
BE 11-2MXF5X8RL	5"	8"	Wade Ring Lock	
BE 11-2MXF6X6RL	6"	6"	Wade Ring Lock	
BE 11-2MXF6X8RL	6"	8"	Wade Ring Lock	
GA BMTS55	5"	5" (133 HK)	Bauer HK (Ball)	
GA BMTS65	6"	5" (133 HK)	Bauer HK (Ball)	
ABA12-75	4"	6"	Ames	

If your pump is placed at an awkward angle to your mainline, try using our discharge hose and fittings to create a wide gentle turn or try the economical Bauer Step Bow to speed up pump set up.

Bauer Galvanized Step Bow, (Ball by Socket)

Part #	Size	Height	Width - Offset	Price
BD 152-1501	4" (102 HK)	4'	3'	
BD 110-1501	5" (133 HK)	6', 9"	5'	
BD 107-1501	6" (159 HK)	6', 10"	5'	

BAUER ALUMINUM COUPLERS

Why wrestle with Cam Lock Couplers? Bauer HK Coupler for suction allows up to 30 degree articulation so attaching you pumps suction is fast, easy and flexible. The MIPT x Socket threads directly into your pump while the Ball x Tube with Locking Lever provide an air tight connection to the flexible suction line. A Bauer Suction Assembly includes the gaskets and locking lever.

Bauer Suction Assemblies

Part #	MIPT Size	Tube Size	Price
Long Assembly			
GA BSA4X5L*	4"	5"	
GA BSA4X6L*	4"	6"	
GA BSA5X6L*	5"	6"	
GA BSA5X8L*	5"	8"	
GA BSA6X8L*	6"	8"	
Short Assembly			
GA BSA2X2	2"	2"	
GA BSA2X3	2"	3"	
GA BSA2X4	2"	4"	
GA BSA25X3	2 1/2"	3"	
GA BSA3X3	3"	3"	
GA BSA3X4	3"	4"	
GA BSA4X4	4"	4"	
GA BSA4X5	4"	5"	
GA BSA4X6	4"	6"	
GA BSA5X5	5"	5"	
GA BSA5X6	5"	6"	
GA BSA5X8	5"	8"	
GA BSA6X6	6"	6"	
GA BSA6X8	6"	8"	

Bauer Ball by Tube

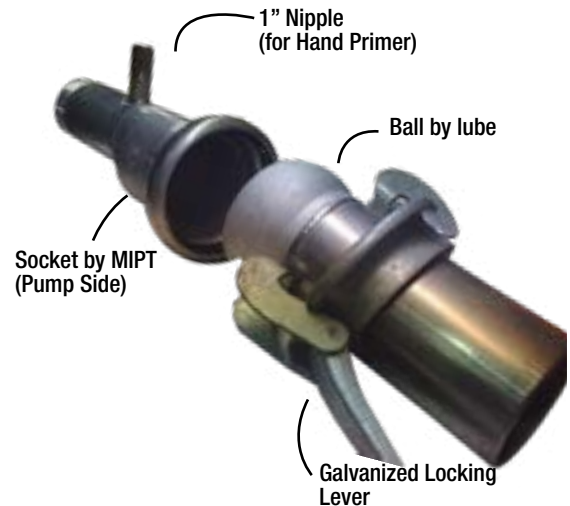
Part #	Ball Size	Tube Size	Price
GA BBT22	2"	2"	
GA BBT33	3"	3"	
GA BBT44	4"	4"	
GA BBT54	5"	4"	
GA BBT55	5"	5"	
GA BBT56	5"	6"	
GA BBT65	6"	5"	
GA BBT66	6"	6"	
GA BBT68	6"	8"	
GA BBT88	8"	8"	

Bauer MIPT x Socket

Part #	MIPT Size	Tube Size	Price
Long MIPT x Bauer Socket			
GA BSAS44L*	4"	4"	
GA BSAS45L*	4"	5"	
GA BSAS46L*	4"	6"	
GA BSAS55L*	5"	5"	
GA BSAS56L*	5"	6"	
GA BSAS58L*	5"	8"	
GA BSAS65L*	6"	5"	
GA BSAS66L*	6"	6"	
GA BSAS68L*	6"	8"	
Short MIPT x Bauer Socket			
GA BSAS22	2"	2"	
GA BSAS23	2"	3"	
GA BSAS24	2"	4"	
GA BSAS253	2 1/2"	3"	
GA BSAS254	2 1/2"	4"	
GA BSAS33	3"	3"	
GA BSAS34	3"	4"	
GA BSAS35	3"	5"	
GA BSAS44	4"	4"	
GA BSAS45	4"	5"	
GA BSAS46	4"	6"	
GA BSAS55	5"	5"	
GA BSAS56	5"	6"	
GA BSAS58	5"	8"	
GA BSAS66	6"	6"	
GA BSAS68	6"	8"	

* = with 1" nipple (mipt) for hand primer

Bauer Aluminum Suction Assembly



MIPT x Bauer Socket



Bauer Ball by Tube

See Page 89 for Replacement Gaskets
(always a good idea to have a spare on hand)

SUCTION HOSE, ADAPTERS & CLAMPS


Tigerflex and Flexible Suction Hose features a smooth interior PVC lining for maximum durability for water, a rigid PVC helix to add strength, and transparent construction to “See-the-Flow.” The Tigerflex advantage not only allows the aluminum suction pipe to be connected at a wide variety of angles, it also moves up and down as water levels change.

Series W is a heavy duty suction hose for water in sizes 3” to 12” with a convoluted outer cover to increase hose flexibility. Uses TigerClamp Spiral Double Bolt clamps. 4”, 5”, 6” & 8” for sale in 5’ increments.

Series K is a standard duty suction hose for water in sizes 1 1/4” to 2” with a smooth outer cover for use with conventional clamps. Series K may also be used for low pressure discharge (under 65 psi).



Series F, is a heavy duty suction line for water, in 3/4” to attach to Pump Primers; it has a smooth outer cover for use with conventional clamps.

Tigerflex Spiral Clamps

	Part #	Size	Price
	EG SDBC2	2”	
	EG SDBC3	3”	
	EG SDBC4	4”	
	EG SDBC5	5”	
	EG SDBC6	6”	
	EG SDBC8	8”	
	EG SDBC10	10”	
	EG SDBC12	12”	

TigerClamp, Spiral Double Bolt Clamp for Series W, Counterclockwise clamp also fits most Tigerflex Hose with a spiral / convoluted / ribbed cover.

Tigerflex Suction Hose

	Part #	Size (I.D.)	Series	Bending Radius	Price
	EG F075	3/4”	F	3”	
	EG K125	1 1/4”	K*	4”	
	EG K150	1 1/2”	K*	5”	
	EG K200	2”	K*	7”	
	EG W300	3”	W	6”	
	EG W400	4”	W	8”	
	EG W500	5”	W	12”	
	EG W600	6”	W	14”	
	EG W800	8”	W	24”	
	EG W1000	10”	W	39”	
	EG W1200	12”	W	59”	


Tigerflex Series W Suction Hose

Tigerflex Series K Suction Hose

* Series K Tigerflex may also be used for discharge for pressures below 65 psi.

See page 73 for Plain Aluminum Irrigation Tubing.

Suction Adapters

	Part #	MIPT Size	Tube Size	Price
	Plain Aluminum (MIPT x Tube)			
	GA 11-1-2X2AL	2”	2”	
	GA 11-1-2X3AL*	2”	3”	
	GA 11-1-3X3AL	3”	3”	
	GA 11-1-3X4AL	3”	4”	
	GA 11-1-4X4AL	4”	4”	
	GA 11-1-4X6AL	4”	6”	
	GA 11-1-5X5AL	5”	5”	
	GA 11-1-5X6AL	5”	6”	
	GA 11-1-6X6AL	6”	6”	
	Plain Steel (MIPT x Tube)			
	BE 11-1-3X4**	3”	4”	
	BE 11-1-4X5**	4”	5”	
	BE 11-1-6x6**	6”	6”	
	BE 11-1-6x8**	6”	8”	

Plain Suction Adapter

* with 1” nipple (mipt) for hand primer

** with 1” coupler (fipt) for hand primer

Using barbed fittings for suction, may cause air to enter the lines. For suction, use smooth fittings to slide into suction hose.

CONNECTED CROPS, IRRMETER & FARMERS EDGE



Connected Crops offers real-time monitoring of soil moisture status and temperature variance in your fields, helping you significantly increase yields and quality of your crops. When receiving immediate and timely information right to your smartphone or computer, your decision-making moves to a whole new level of accuracy and effectiveness, aiding in risk aversion and ultimately increasing your return on investment.



Part #	Model/Description	Price
EDCCST	Connected Crops Station	
EDCCSMS	Soil Moisture Sensor	
EDCCTS1	1 Metre Temperature Sensor	
EDCCTS2	2 Metre Temperature Sensor	

Part #	Size (inches)	Price
Model R - Loam & Clay		
AK 106	6	
AK 112	12	
AK 118	18	
AK 124	24	
Model LT - Sandy Soils		
AK 506	6	
AK 512	12	
AK 518	18	
AK 524	24	



IRR0METER

Irrrometer has been in business since 1951, manufacturing soil moisture measuring, controlling and sampling instruments used for scheduling irrigation. The Tensionmeter, consisting of a sealed water filled tube equipped with a special vacuum gauge and porous tip that is installed in the ground at desired root zone depths. In dry soil, water is drawn out of the instrument, reducing the water volume in the instrument, creating a partial vacuum which is registered on the gauge.



Farmers Edge is a fast growing company that empowers growers and agricultural professionals with precision digital solutions. They are dedicated to developing the best platforms to increase production and help you grow more with less. Services provided by Farmers Edge include:

- Daily Satellite Imagery
- On-Farm Weather Stations
- Soil Moisture Probes
- CanPlugs



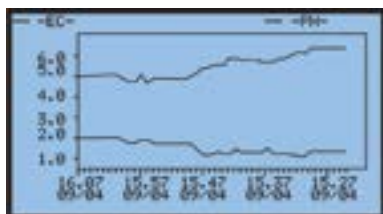
NMC CONTROLLER FOR FIELD OR GREENHOUSE



Netafim's NMC Stand-Alone Controllers for Irrigation and Fertigation are designed to extend your water and fertilizer management skills to the field or greenhouse, when your time is demanded elsewhere. Controllers are available in two models, the NMC-64 (controls up to 64 valves) and the NMC - Junior (controls up to 15 valves).

By offering ease of programming, monitoring and accumulating logged data, you will easily recover your investment through reduced input costs: water, energy, chemical and fertilizer.

The simplicity of the control system and its capability to record data, allows you to repeat and modify your scheduling, assuring maximum crop output, and create a logbook of alarms and events.



NMC Controller Hardware & Software Specifications

Controls:

- Up to 64 Valves (64)
- Up to 15 Valves (Junior)
- Open multiple valves
- Multiple Pumps
- Multiple Filter Flushing
- Pres. Sustaining Valve
- Multiple Fert. Pumps
- Fert. Booster Pumps
- Fert. Tank Valves
- Fertilizer Agitation
- Cooling Systems
- Misting Systems
- Alarm Device

Monitors:

- Water Flow Meters
- Fertilizer Flow Meters
- Temperature Sensors
- Humidity Sensors
- Weather Station Data
- EC & pH Sensor
- Conditional Inputs

Features:

- Expandable Input & Output boards (64)
- Multiple Pump Control
- 10 Programs (64)
- 15 Programs (Jun.)
- Multiple Fert. Programs
- 60 Multiple Program Starts (64)
- 6 Multiple Program Starts (Jun.)
- Logs all sensor data
- Large Graphic Display
- Battery Backup
- Surge Protection

The NMC Controllers are designed for small to large applications. Up to 50 controllers may be networked and presented on a PC. Multiple options exist for linking to an office PC (wire, telephone or radio). Exclusive to the NMC, is the Memory Key Program Back-Up; all programs are backed up to key for safe storage.

See page 109 for Netafim Electric Valves.

NELSON CONTROLLERS

TD200 Controller is an easy to learn and easy to use device that controls TWIGs, either individually or in a group. It controls up to 100 TWIGs and 200 valves, to handle very large irrigation systems. Other features include:

- Reliable two-way data transfer every 20 seconds.
- Multiple start times with multiple irrigation programs, easy to set up and use
- Irrigation events and water meter readings can be data logged
- Optional power sources include: 110 Volt AC, or 12 Volt DC battery with solar charger
- Reads actual battery and radio signal strength of each TWIG in network
- Operates via "Network I.D." to connect multiple TWIGs.



TWIG is central to the wireless system. This device turns low voltage DC latching solenoids on and off at the command of the TD200 Controller. The dual internal antennas provide diversity for better reception and protection from damage. It is most effectively used where line of site is optimal. The optional external antenna is used to extend range of communication, when TWIG does not have good line of sight.

TWIG Repeater is installed when blind spots or poor communications occur in a network due to vegetation, topography or excessive distances. The Repeater greatly extends the range of the network and can bridge obstacles that might otherwise block communications. The technology built into the system automatically direct the radio signal where the signal strength is the greatest. Twig Repeaters require an external antenna.



TWIG Contact contains 4 latching contacts, incorporated into a TWIG radio receiver. The TD200 has the ability to communicate with the TWIG Contact to open and close the contacts in order to turn devices on and off. External antenna required.

RAIN BIRD CONTROLLERS



ESP LX Modular features a locking plastic cabinet and a separate circuit for rain sensors. A, B, C & Drip program are available with a 365 clock, with up to 8 start times per program. Station run time may be set in minutes or hours. The controller has 8 stations installed and is expandable with 8 or 4 station modules up to 32.

The ESP LX PLUS is a robust controller for medium duty applications.



ESP Modular features a locking plastic cabinet and comes with four stations installed. Additional three station modules may be added for a maximum of 13 stations.

Three programs are available with four start times per program and a 365 day clock. ESP Modular is an expandable robust controller for light to medium duty applications.



TBOS automates your irrigation system in the absence of AC power. Modules are available in 1, 2, 4 & 6 station models. The Portable Controller downloads your settings to the module. Three independent programs are available with up to 8 start times per day. Run time is from 1 minute to 12 hours. The TBOS controller & station module are battery powered, with a battery life of approximately 1 year. Simply replace the existing 24 volt solenoid on any Rain Bird Valve for a latching solenoid.

Rain Bird Controllers

Part #	Num. of Stations	Model	Price	Part #	Num. of Stations	Model	Price
AX ESPLX-8M	8	ESP LX Modular Controller (outdoor)		AX TBOSFT		TBOS Controller	
AX ESPLX-8MI	8	ESP LX Modular Controller (indoor)		AX TBOSM1	1	TBOS Station Module	
AX ESPLXMOD8	8	Expansion Module for ESP LX Modular		AX TBOSM2	2	TBOS Station Module	
AX ESPLXMOD4	4	Expansion Module for ESP LX Modular		AX TBOSM4	4	TBOS Station Module	
AX ESP4MEW	4	ESP Modular Controller (outdoor)		AX TBOSM6	6	TBOS Station Module	
AX ESP4MEIW	4	ESP Modular Controller (indoor)		AX TBOSOL		Latching Solenoid for Rain Bird Valves	
AX ESPMOD3	3	Expansion Module for ESP Modular					

We also carry the full line of Rain Bird Controllers for Golf & Turf.

** Wifi Enabled Controllers available. Ask our Sales Team for more details **

RAIN BIRD ELECTRIC VALVES

Part #	Size	Model	Price
AX075DV	3/4", FIPT x FIPT	DV Series	
AX100DV	1", FIPT x FIPT	DV Series	
AX100DVMB	1", MIPT x Barb	DV Series	
AX100DVF	1", FIPT x FIPT	DV with Flow Control	

AX100PGA	1", FIPT x FIPT	PGA Series	
AX150PGA	1 1/2", FIPT x FIPT	PGA Series	
AX200PGA	2", FIPT x FIPT	PGA Series	

AX300BPE	3", FIPT x FIPT	BPE Series	
AX300BPES	3", FIPT x FIPT	BPE Series with Scrubber for dirty water	

AXPRS-DIAL Pressure Regulator Module for PGA & BPE Valves

DV Series Valves feature a plastic body, one piece solenoid with captured plunger, internal & external bleed and 24 VAC. For flows of 2 to 40 gpm with pressure from 15 to 150 psi.



PGA Series Valves feature a plastic body, Globe/Angle configuration, one piece solenoid with captured plunger, internal & external bleed and 24 VAC. For flows of 2 to 150 gpm with pressure from 15 to 150 psi.



BPE Series Valves feature a brass body, globe/angle configuration; one piece solenoid with captured plunger, internal & external bleed and 24 VAC. For flows of 60 to 300 gpm with pressure from 20 to 200 psi.



PRS-DIAL option makes Rain Bird Electric Valve (Series PGA & BPE only) pressure regulating. Fully adjustable from 15 to 100 psi.



We also carry the full line of Rain Bird Valves for Golf & Turf Applications.



Carson Valve Boxes

Part #	Description	Price
EUVE608	Round, 6" Diam. x 9" Deep	
EUV708	Round, 8" Diam. x 9" Deep	
EUV910	Round, 10" Diam. x 10" Deep	
EUV14196	Standard Rectangular, 10" x 15" x 6" Deep	
EUV141912	Standard Rectangular, 10" x 15" x 12" Deep	
EUV13206	Jumbo Rectangular, 13" x 20" x 6" Deep	
EUV132012	Jumbo Rectangular, 13" x 20" x 12" Deep	

All valve boxes include a removable cover.
Rain Bird Valve Boxes also available.



Economy Valve Boxes

Part #	Description	Price
AXVE608	Round 6", single valve x 9" deep	
AXVE910	Round, 10", single valve	
AXEV14196	6" deep standard rectangular box	

Commercial Valve Boxes

Part #	Description	Price
AXV708	6" round, single valve, 8" deep	
AXV910	10" round, locking optional	
AXV14196	6" deep standard extension with lid.	
AXV141912	12" deep standard rectangular	
AXV13206	6" deep jumbo rectangular	
AXV132012	12" deep jumbo rectangular	

WIRE & VALVE BOXES

18 Gauge Multi-Conductor Wire
500' Roll

Part #	Num. of Conductors	Price
AE18500-2	2	
AE18500-3	3	
AE18500-4	4	
AE18500-5	5	
AE18500-6	6	
AE18500-7	7	
AE18500-8	8	
AE18500-10	10	
AE18500-12	12	



Common/Control Wire
2,500' Roll

Part #	Colour	Price
AE121PE-WHITE	White	
AE 141TWU-B	Black	
AE 141TWU-BLU	Blue	
AE 141TWU-G	Green	
AE 141TWU-O	Orange	
AE 141TWU-R	Red	
AE 141TWU-W	White	
AE 141TWU-Y	Yellow	



3M Connectors & Splices

Part #	Colour	Price
AE316	Red, Wire Connector	
AEDBY	Yellow, Direct Bury Splice	
AEDBR	Red, Direct Bury Splice	



King DryConn Connectors

Part #	Colour	Price
MBKW	Black / White	
MBKB	Black / Blue	



Hunter Pump Start Relay Connect an Electric Pump to an Irrigation Controller.

Part #:

PD PSR22, for 1 to 3.5 HP.

PD PSR52, for 1 to 7 HP.

PD PSR23, for 3 to 10 HP.



ELECTRIC & PRESSURE REGULATING VALVES



Pressure Reducing
Electric Nylon Thread-
ed Valve



Manual PVC Slip Valve



Quick Reacting
Pressure Relief
Angle Valve



Iron Flanged Valve



Pressure Reducing
Electric Iron Grooved Valve

Valve Ordering Guideline

61	Function Code	Diameter	Material & End Connection	Diaphragm	Spring Colour
B M EL MEL RC PR PREL PRRC PRPS PS PSEL PSNO TH MTH ELT MELT ELC QR QRL 2PR 2PS	Basic Manual Electric 3-Way Manual Electric 3-Way Hydraulic Remote Control Pressure Reducing Pressuring Reducing Electric Pressure Reducing Remote Control Pressure Reducing/Pressure Sustaining Pressure Sustaining Pressure Sustaining Electric Presssure Sustaining Normally Open Basic Throttling Manual Throttling Electric 3-Way Throttling Manual Electric Throttling Electric 3-Way with Installed Controller Quick Reacting Pressure Relief Pressure Sustaining Relief Pressure Reducing 2-Way Pressure Sustaining 2-Way	Nylon: 1", 1½", 2", 323 PVC: 3", 4", 6" Iron Flanged: 3", 4", 4" Angle, 6", 6" Angle, 868, 8", 10", 12" Iron Grooved: 2", 323, 3", 3" Angle, 4", 6" Iron Threaded: 1", 1½", 2", 2" Angle, 323, 3", 3" Angle	AN PL PLT PLS IT IF IG 		

Consult with your Sales Rep for ordering the right valve for you.

CHECK VALVES & BACKFLOW PREVENTION

Conbraco Brass Backflow Preventers

Reduced Pressure Assembly



Part #	Size	Price
TF RPA075	3/4"	
TF RPA100	1"	
TF RPA150	1 1/2"	
TF RPA200	2"	

Dual Check Valve



Part #	Size	Price
TF ICV075	3/4"	
TF ICV100	1"	

Pressure Vacuum Breaker



Part #	Size	Price
TF PVB075	3/4"	
TF PVB100	1"	
TF PVB150	1 1/2"	
TF PVB200	2"	

Double Check Valve Assembly



Part #	Size	Price
TF DCA075	3/4"	
TF DCA100	1"	
TF DCA150	1 1/2"	
TF DCA200	2"	
TF DCA400	4"	
TF DCA600	6"	

Pierce Chemigation Valves

Chemigation & Backflow Prevention, with inspection port & air vent, Flange by Flange



Part #	Size	Price
AV 1775-60	3"	
AV 1775-61	4"	
AV 1778-61	6"	

Prevent flow of fertilizer, etc. back into pond, well or municipal supply. It is important to check with local authorities for code.

Check Valves

Pierce Check Valve, Galv. Steel, Spring Loaded, Rubber Covered Steel Disc.



Part #	Size	Price
AV 3X4CVF	3" FIPT by 4" FIPT	
AV 4X5CVF	4" FIPT by 5" FIPT	
AV 1753-01	6", Flange by Flange	
AV 1753-02	8", Flange by Flange	
AV 1754-01	4", Weldable Ends	

Berkeley Check Valve Spring Loaded Lever, Steel Disc with O' Ring Seal.



Part #	Size	Price
FE PB05922	2 1/2" FIPT by 3" FIPT	
FE PB05923	3" FIPT by 4" FIPT	
FE PB05924	4", Flange by FIPT	
FE PB05925	5", Flange by FIPT	
FE PB05926	6", Flange by FIPT	

Val-Matic Swing Flex Check Valve, Series 500 Non-Clog Design, works great for slurry Flange by Flange,



Part #	Size	Price
AG P504-4	4"	

Cast Iron Wafer Split Disc Style Check



Part #	Size	Price
TF CVW-3	3"	
TF CVW-4	4"	
TF CVW-5	5"	
TF CVW-6	6"	

Brass Check Valve (FIPT x FIPT), Disc Style, Nitrile Buna-N



Part #	Size	Price
FH 125BCV	1 1/4"	
FH 150BCV	1 1/2"	
FH 200BCV	2"	
FH 200BRCV	2" Bronze Heavy Duty	

PVC Check Valve (FIPT x FIPT), PVC Poppet, EPDM Seal,



Part #	Size	Price
BA 43937	1"	
BA 43939	1 1/2"	
BA 43940	2"	

All Brass Swing Check Valve (FIPT x FIPT),



Part #	Size	Price
FH 100BSCV	1"	
FH 125BSCV	1 1/4"	
FH 150BSCV	1 1/2"	
FH 200BSCV	2"	
FH 300BSCV	3"	
FH 400BSCV	4"	

www.rovatti.it



We provide our customers with the most advanced pumping solutions both for depth and surface installations and in multiple executions in order to satisfy all your irrigation need with our



MADE IN ITALY QUALITY

Just ask us what kind of solution you need!

rovatti pompe



ROVATTI PTO PUMPS

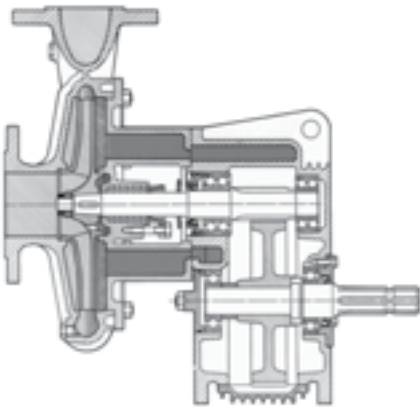


The result of years of experience, Rovatti's time tested, simple design means years of reliability and easy servicing. The T (single stage) & TK series (multi-stage) P.T.O. are available in a wide variety of models and options to suit your water management needs.

Constructed using chromed shafts and case hardened & tempered helicoidal gears means years of reliable service. Listed here is only a very small selection of Rovatti P.T.O. pumps and options.

Our Rovatti P.T.O. Package includes:

- Pump
- Galvanized Trolley with support leg
- P.T.O. Shaft
- Check Valve
- Pressure Gauge
- Wade Rain Hand Primer



It is normal for Pumps with Packing Seals, to drip when operating. If there is 1 drop/sec. at the shaft, everything is OK.

Rovatti Power Take Off Pump Package

Part #	Model	H.P.	P.T.O.	Price
XB T150E540P	T1-50E	30	540	
XB T240E540P	T2-40E	31	540	
XB T285E540P	T2-85E	43	540	
XB T380AE540P	T3-80AE	60	540	
XB T3110E540P	T3-110	82	540	
XB T4100E540P	T4-100E	83	540	
XB T4100E1000P	T4-100E	83	1,000	
XB T4110E1000P	T4-110E	111	1,000	
XB T4K1002E1000P	T4K100/2E	103	1,000	

ROVATTI PTO PUMPS

Pump Troubleshooting

Having problems priming your pump? This is caused by the unwanted entry of air into the pump or suction lines. The usual culprits are: the check valve, the diaphragm in the hand primer, the pump's seal or packing of the suction line.

The first thing to check is the hand primer. Take the primer off the pump, place your hand over the primers intake, and try to depress the handle. If you cannot depress the handle, the hand primer is fine; if not, replace the primer's diaphragm.

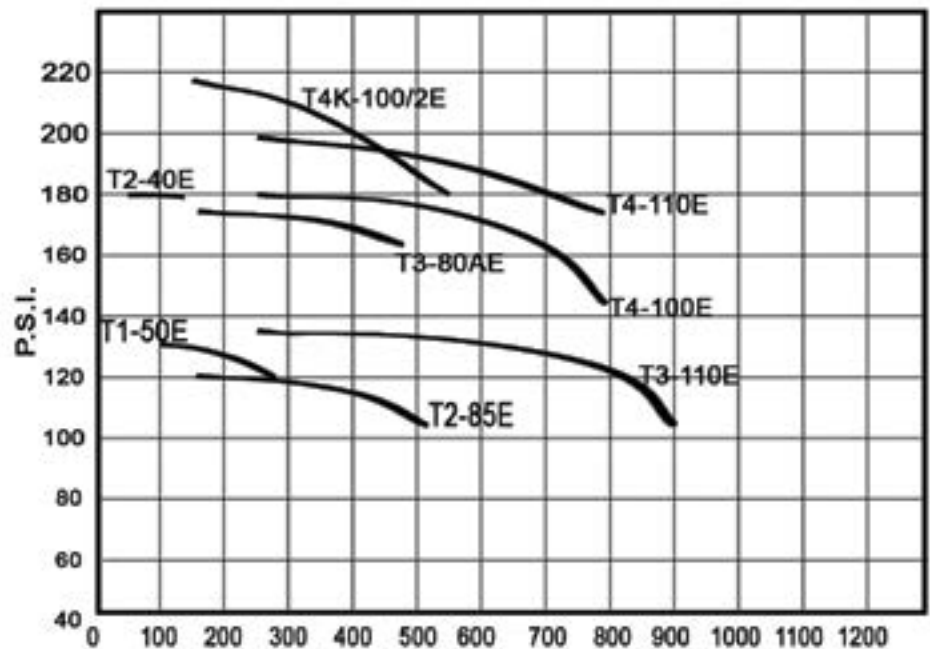
Next, put the primer back on the pump and disconnect the discharge and suction lines. With the aid of a helper, place a flat piece of rubber sheet against the opening of the suction adapter. Now, start priming the pump; if the rubber sheet begins to be sucked into the adapter and remains sucked after you stop priming, the hole is in the suction line.

Check your suction pipe, Tigerflex tubing, and the condition of any suction fitting gaskets.

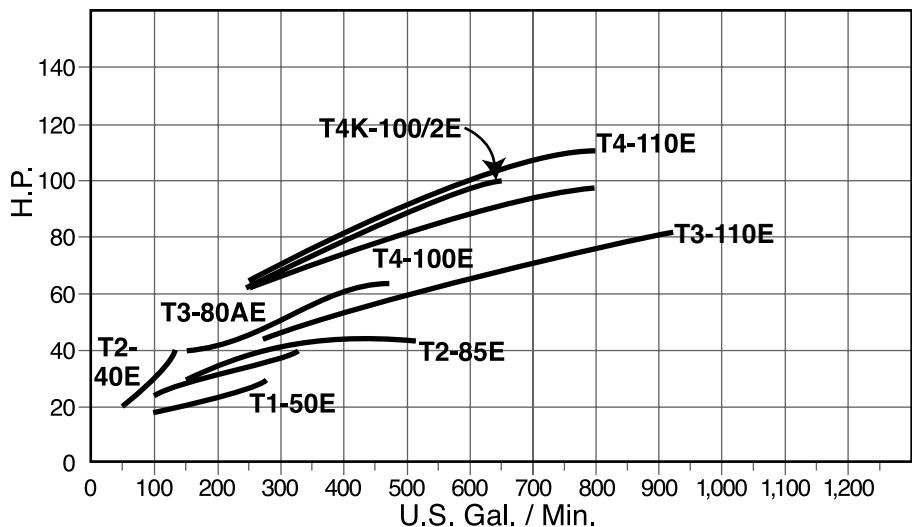
If the sheet of rubber on the suction adapter did not suck in, get a second piece of rubber sheet and hold it against the opening of the discharge adapter. If both the rubber sheets suck in and stay there when you stop priming, then the problem is with the check valve.

If neither rubber sheets suck in, then the problem lies within the mechanical seal or packing.

Rovatti P.T.O Pumps - Pressure (P.S.I.) x U.S. Gallons per Minute



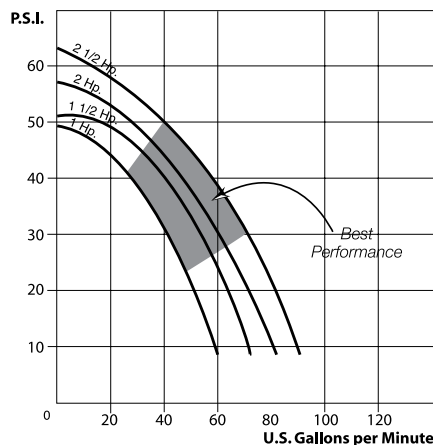
Rovatti P.T.O Pumps - Horsepower (H.P.) x U.S. Gallons per Minute



Use only #80-90 Gear Lube in Rovatti P.T.O. Pumps. Part #: EFGEARLUBE

BERKELEY ELECTRIC PUMPS

CP "High Head" Pump Series



CP Pump



LTH Pump

CP Series' are general purpose Centrifugal Pumps featuring a heavy duty cast iron construction, Noryl abrasion resistant impellers heavy duty electric motor, and four position discharge.

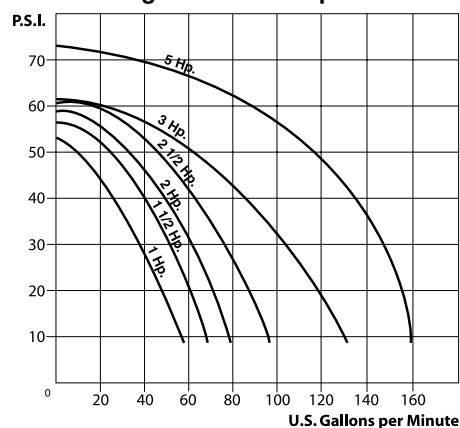
LTH Series (3 & 5 HP) general purpose fast Self-Priming Centrifugal Pumps featuring a heavy duty cast iron construction, bronze impeller, heavy duty electric motor for continuous duty with capacitor start, and leak proof mechanical seal.

LTH Series (1 to 2.5 HP) are general purpose fast Self-Priming Centrifugal Pumps featuring a rugged cast iron construction, a Noryl impeller, heavy duty electric motor, and precision molded diffuser.

Berkeley "High Head" Electric Pumps

Part #	Model	Hp.	Voltage	Suction Size	Discharge Size	Price
FE CP1XPHS1	CP	1.0	115/230	1 1/4"	1"	
FE CP1XPHS15	CP	1.5	115/230	1 1/4"	1"	
FE CP125TPHS2	CP	2.0	115/230	1 1/2"	1 1/4"	
FE CP150TPHS25	CP	2.5	115/230	2"	1 1/2"	
FE LTH100	LTHH	1.0	115/230	2"	1 1/2"	
FE LTH150	LTHH	1.5	115/230	2"	1 1/2"	
FE LTH200	LTHH	2.0	230	2"	2"	
FE LTH250	LTHH	2.5	230	2"	2"	
FE LTH300	LTH	3.0	230	2"	1 1/2"	
FE LTH500	LTH	5.0	230	2 1/2"	2"	

LTH "High Head" Pump Series



Note: 3 Phase & Medium Head Pumps also available.

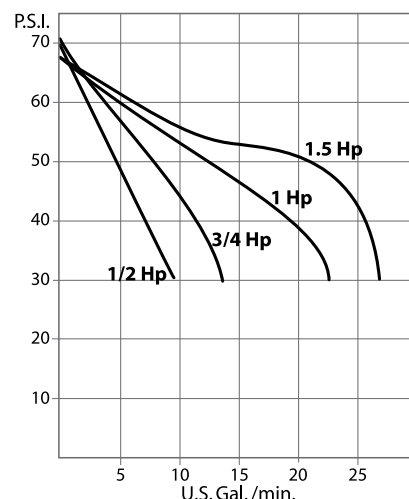
Many other Berkeley models available in HP from 1/2 HP to 200 HP. Also available are electric pumps from Rovatti, Gorman-Rupp, Cornell, and other pump manufacturers.

BERKELEY JET PUMPS & PRESSURE TANKS

Berkeley's Self-Priming "SN" Series Jet Pumps for shallow wells feature cast iron body, a built in jet, adjustable pressure switch, and Noryl impeller. The "SN" Series provide excellent performance, at a depth of 15'; the 1/2 HP primes in 2.3 sec, 3/4 HP in 1.7 sec, 1 HP in 1.3 sec, and the 1.5 HP in 1.1 sec.



SN Series are self-priming after priming chamber has been filled.



Berkeley "SN" Shallow Well Jet Pumps

Part #	Model	Hp.	Voltage	Suction Size	Discharge Size	Price
FE 5SN	SN	0.5	115 / 230	1 1/4"	1"	
FE 7SN	SN	0.7	115 / 230	1 1/4"	1"	
FE 10SN	SN	1.0	115 / 230	1 1/4"	1"	
FE 15SN	SN	1.5	115 / 230	1 1/4"	1"	

Signature 2000 Fibrewound Pressure Tanks

Stronger than steel at half the weight, Signature 2000 Pressure Tanks from Berkeley also will not rust, corrode, dent or scratch and have replaceable Air Cells. Available in many sizes, Signature 2000 are built tough for easy installation and service.



Pro-Source Pressure Tanks

Constructed from heavy gauge steel with a polyester paint finish, Pro-Source Pressure Tanks from Berkeley arrive pre-charged, ready to install. Available in many sizes, use Pro-Source wherever pressurized tanks are needed in water system application.



Berkeley Pressure Tanks

Part #	Max. Capacity	Diam.	Height	Connect. Size	Price
Signature 2000 Fibrewound Pressure Tanks					
FE PSC-20-6	20 U.S. gal	16"	32"	1"	
FE PSC-35-10	35 U.S. gal	21"	37"	1"	
FE PSC-48-14	48 U.S. gal	21"	42"	1"	
FE PSC-80-23	80 U.S. gal	21"	62"	1 1/4"	
FE PSR11935	119 U.S. gal	24"	74"	1 1/4"	

Pro-Source Steel Pressure Tanks

Part #	Max. Capacity	Diam.	Height	Connect. Size	Price
FE PS19T-T02	19 U.S. gal	16"	19"	1"	
FE PS35-T05	35 U.S. gal	20"	33"	1"	
FE PS50-T50	50 U.S. gal	24"	33"	1"	
FE PS62-T51	62 U.S. gal	24"	40"	1 1/4"	
FE PS85-T52	85 U.S. gal	24"	51"	1 1/4"	
FE PFS119-TR50	119 U.S. gal	24"	68"	1 1/4"	

FRANKLIN PUMPS

Whether you need to boost your water pressure, supply water to your household, water your garden, irrigate your crops, or tend your livestock, Franklin Electric has the right pumping system for the job. Franklin Electric is a global leader in the development and manufacturing of systems and components that move water and automotive fuels.



Franklin Electric offers a wide array of submersible pumps designed for the movement of water and corrosive chemicals. These submersible pumps feature proven components, able to withstand the harshest environments and provide superior performance for irrigation, community water systems, water transfer systems, recirculation and factories. Products include:

- 4" High Capacity Pumps
- 6" 4400 Submersible Radial Pumps
- 6" & 8" SR Turbine Pumps
- 6" SSR Series Submersible Turbine Pumps
- 5", 6", 8" & 9" STS Turbine Pumps

The wide range of configurations and applications of surface pumps will operate for large industrial and agricultural applications. These types of surface pumps include:

- Self-Priming Pumps
- Centrifugal Pumps
- Multi-Stage Pumps
- Gas Engine Pumps



Franklin Electric offers innovative drive and control options that require minimal adjustments for simple installation and operation. For moving mass volumes of water, you can trust Franklin for your agricultural needs. Products include:

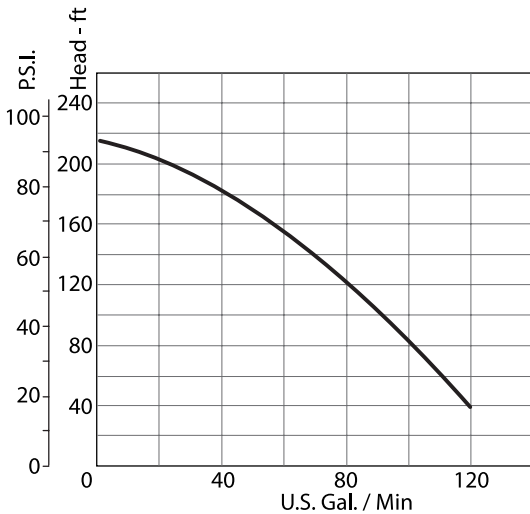
- Variable Frequency Drives
- Control Panel/Pump Starter
- Protection
- Soft Starters



Please consult with our expert Sales Team for a full list of products and more information about Franklin Electric Pumps and Parts.

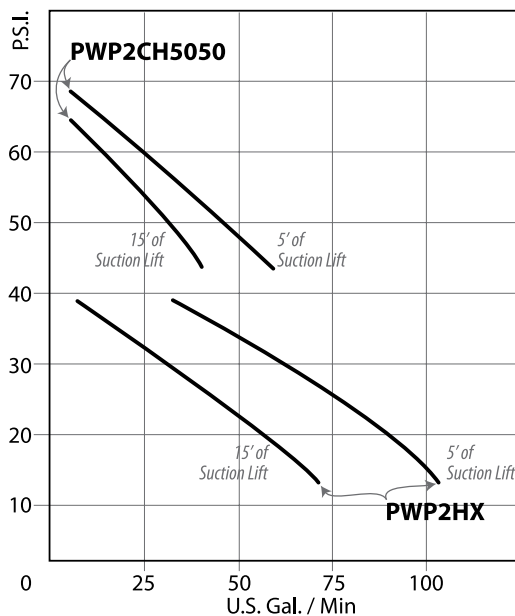
GAS POWERED PUMPS

Gorman-Rupp, 2P5XHR PUMP with Honda GX160



Gorman-Rupp Pumps are well known for performance & quality. Powered by a 5.5 hp Honda Engine with Oil Alert, the 2P5XHR will provide years of dependable irrigation service with exceptional pressure performance. The 2P5XHR is self-priming with a suction check valve. Constructed of die cast

Kodiak Pumps



Kodiak Pumps are available in a wide selection to handle water transfer and irrigation. The PWP2CH5050 is a high pressure pump, well suited for running sprinklers.

The PWP2HX is designed as a reliable water transfer

pump; this pump is able to move a large volume of water at lower pressures.

Both pumps feature Honda Engines with Oil Alert, with Self-Priming Aluminum Pump Bodies with suction check valve. Suction and Discharge is 2" FIPT on both pumps. The PWP2HX is also available in a 3" & 4" Model with larger engines to pump greater water volumes.

Gas Powered Pumps

Part #	Model	H.P.	Engine	Price
DX 2P5XHR	G-R, 2P5X	5.5	Honda, GX160	
DI PWP2CH5050	Kodiak 2CH5050	5.5	Honda, GX160	
DI PWP2HX	Kodiak 2HX	4.0	Honda, GX120	
DX2MP9HR	AMT	9.0	Honda, GX270	

DIESEL ENGINE PUMP UNITS



Berkeley Pump End



Rovatti Pump End



Cornell Pump End



Profit by our experience, our line of Diesel Powered Pump Units lead the irrigation industry in innovation. Semi-enclosed units feature an all galvanized steel frame with removable tow hitch and a full complement of instruments. We match a Diesel Engine to a Berkeley, Rovatti or Cornell S.A.E. Pump End, designed and built to perform for your irrigation system.

Our unique modular construction means options like:

- Fuel Tanks
- Super Silencer Muffler
- Hale Power Primers
- Full Enclosure Packages
- Automated Control units may be added easily to a power unit.

All of our Diesel Units are emission certified and are available in a wide selection of power ratings to suit your water management goals from manufacturers such as: John Deere, Cummins, Kubota, Iveco and Caterpillar.



Enclosure Packages

We can custom build any pump for you! Ask our expert Sales Team for more information.

BERKELEY PUMPS



Relax, it's a Berkeley. Berkeley Orange. The color of confidence since 1937.

Berkeley Pumps provide the water to grow crop after crop with many types of irrigation systems, including: travellers, sprinklers, pivots and drip.

Berkeley's Close Coupled Type B, Centrifugal Electric Pumps feature:

- Heavy-duty bearings
- Dynamically balanced impeller
- Multiple vent and drain taps
- Replaceable stainless steel shaft sleeves
- Available with mechanical seal or graphite- Impregnated PTFE packing

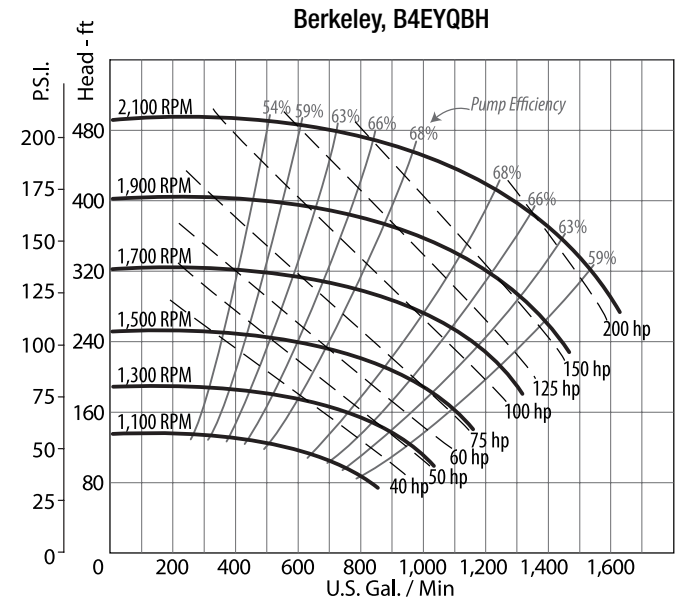
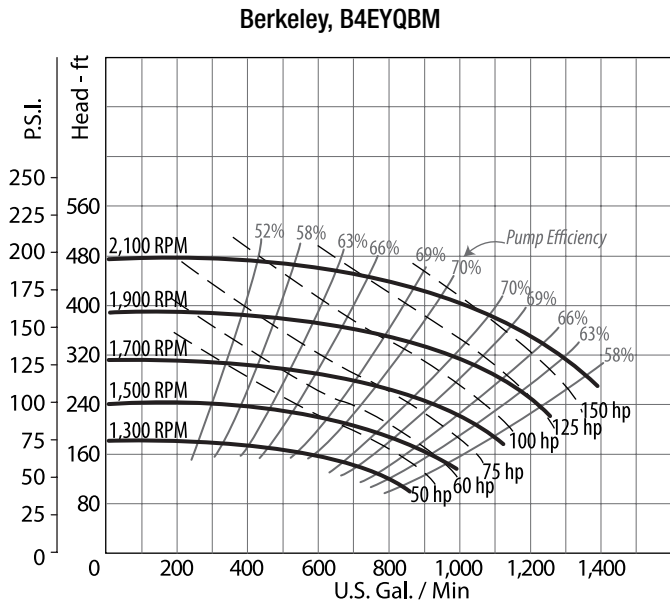
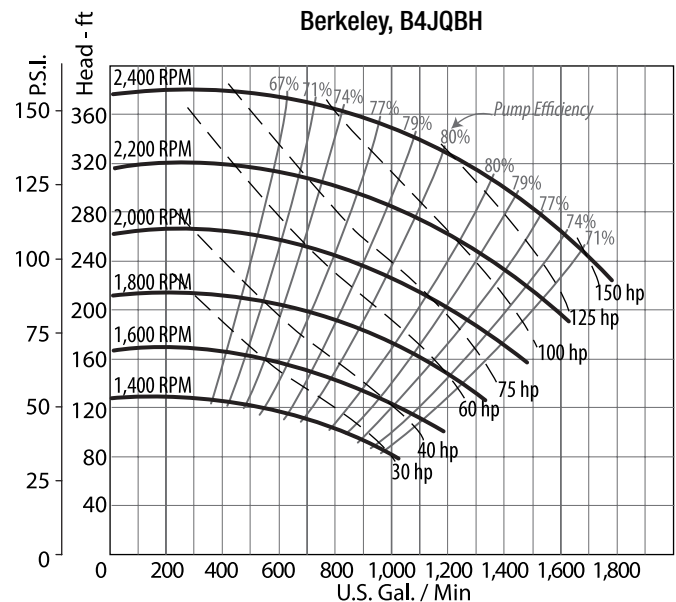
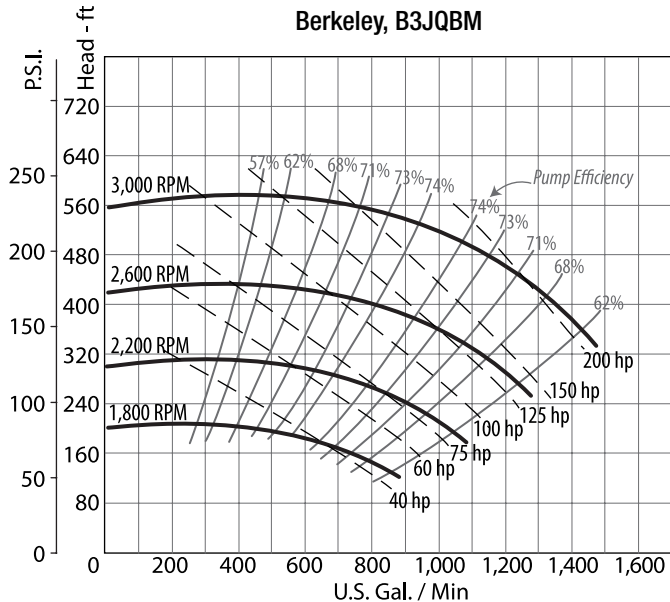


Berkeley S.A.E. Centrifugal Series Pumps are suitable for any application requiring the convenience of an internal combustion engine as a power source. State of the art design delivers 20,000 hours of bearing life. Key features include:

- 28 pump models, with flows to 6500 GPM, pressure to 500 feet
- Cast Iron or Silicon Bronze Impellers
- Volute case for easy removal and repair
- Heavy-Duty Power Frame designed for durability
- Dry run seal option available

Listed here is only a very small selection of Berkeley pumps and options for S.A.E. Engine Mount. Whatever your water management goals are, the irrigation professionals at Berkeley and Vanden Bussche Irrigation can match a pump to your unique needs.

BERKELEY ENGINE MOUNT PUMPS



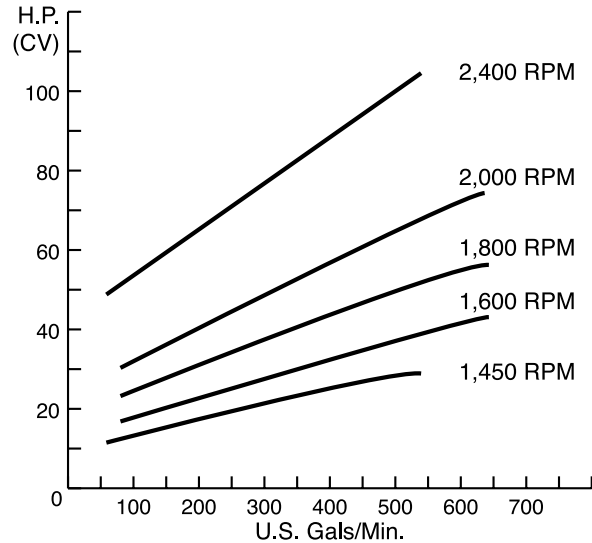
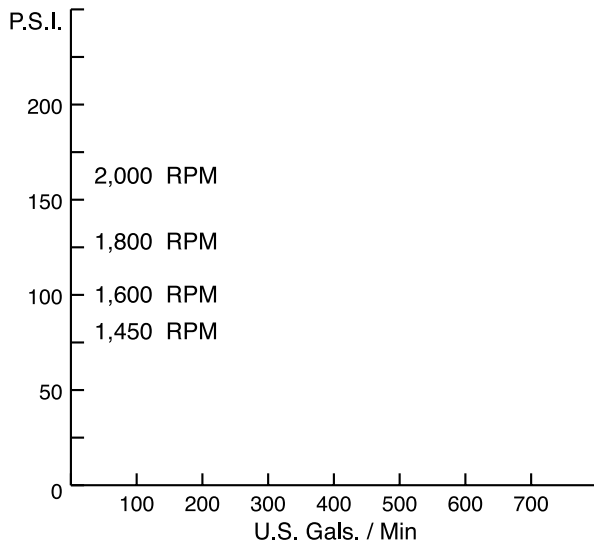
Berkeley's Type B Centrifugal Pumps with S.A.E. mounts feature: Replaceable Bronze Wear Ring and Replaceable Stainless Shaft Sleeves. Type B's are also available with: Packing or Mechanical Sealing Options and Cast Iron or Bronze Impeller.

ROVATTI ENGINE MOUNT PUMPS

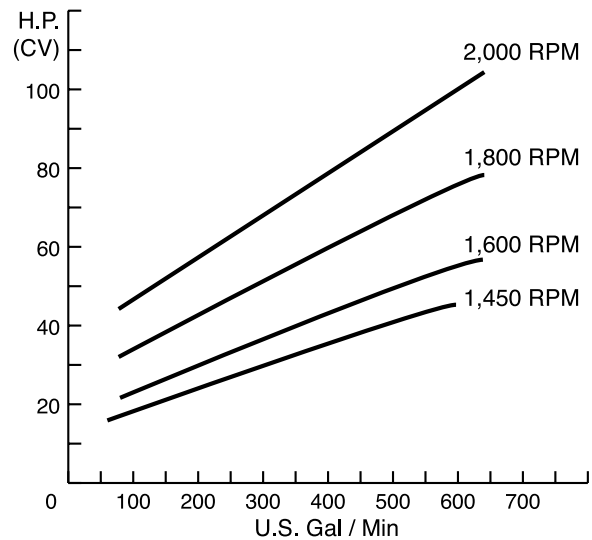
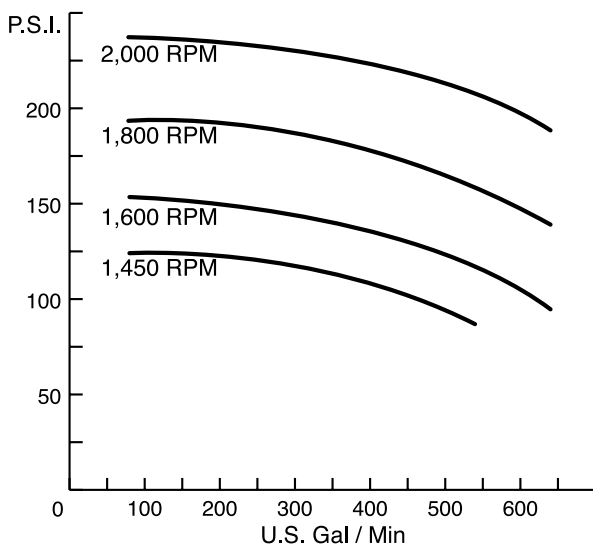
Rovatti multi-stage pumps are renown for their high pressure performance, quality craftsmanship, and straight forward design. For applications where you need every pound of pressure, choose Rovatti.



Rovatti, F33K-100/2E - Two Stage



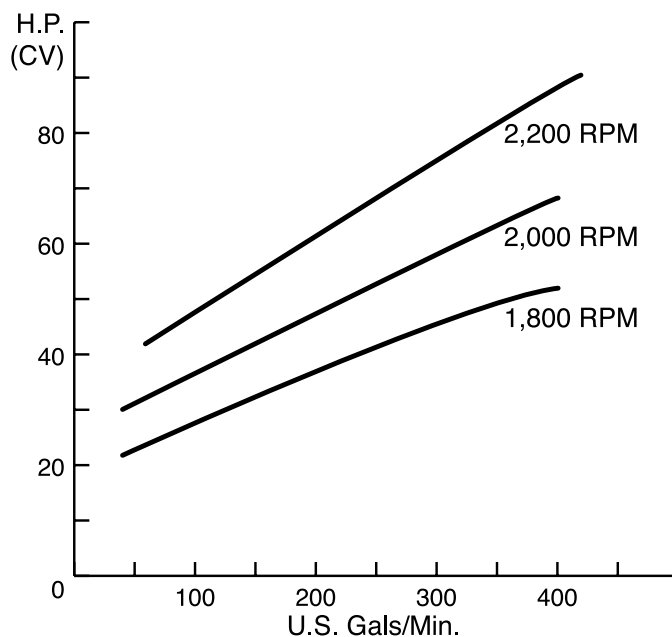
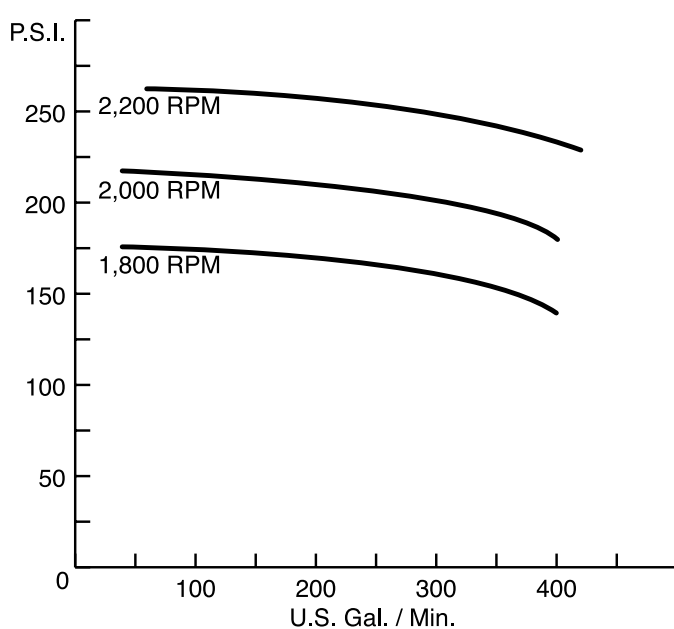
Rovatti, F33K-100/3E - Three Stage



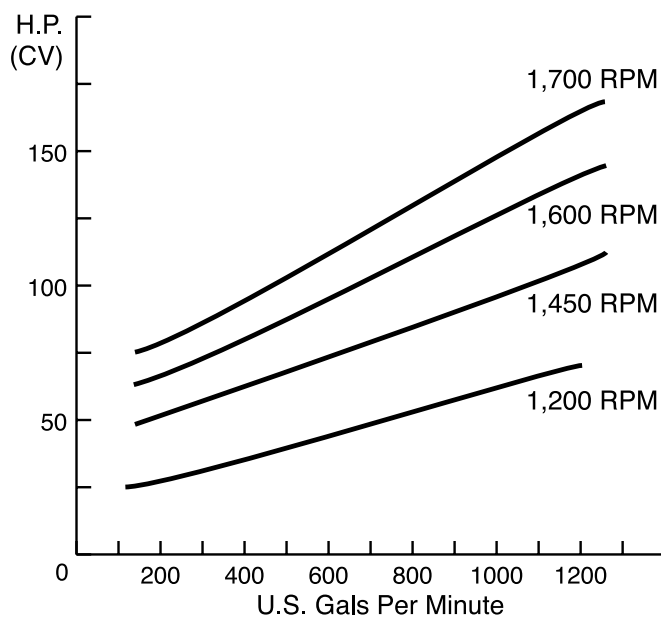
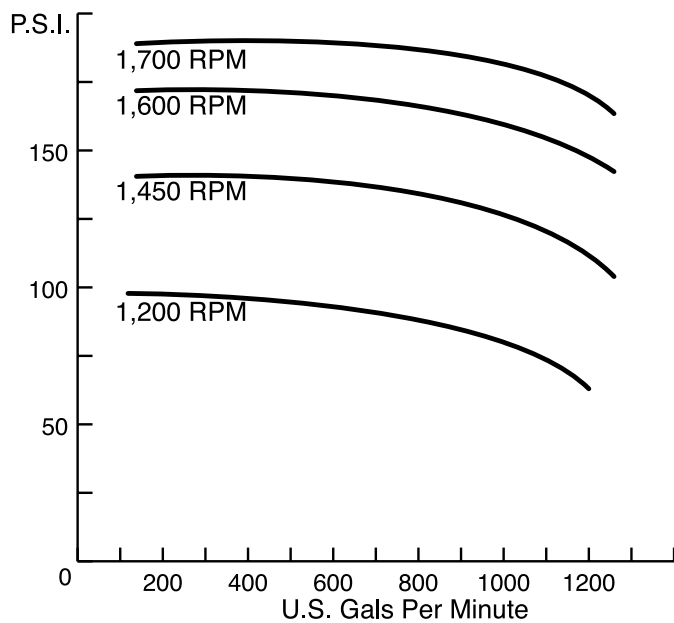
Use only Non-Detergent S.A.E. 30 Oil in Rovatti S.A.E. Engine Mounts.

ROVATTI ENGINE MOUNT PUMPS

Rovatti, F33K-100-90/3E - Three Stage



Rovatti, F34K-150/2E - Two Stage



Listed here is only a very small selection of Rovatti pumps and options for S.A.E. Engine Mount. Whatever your water management goals are, the irrigation professionals at Rovatti and Vanden Bussche can match a pump to your unique needs.

CORNELL PUMP IRRIGATION SERIES

Designed for
Crops and Turf
with Best in Class
Efficiency

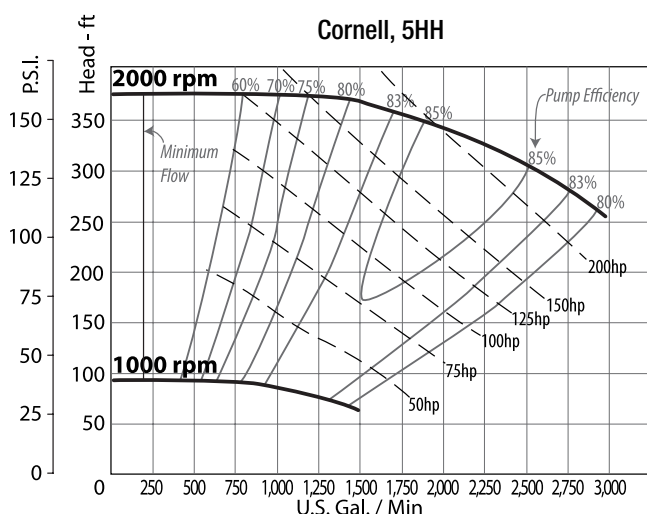


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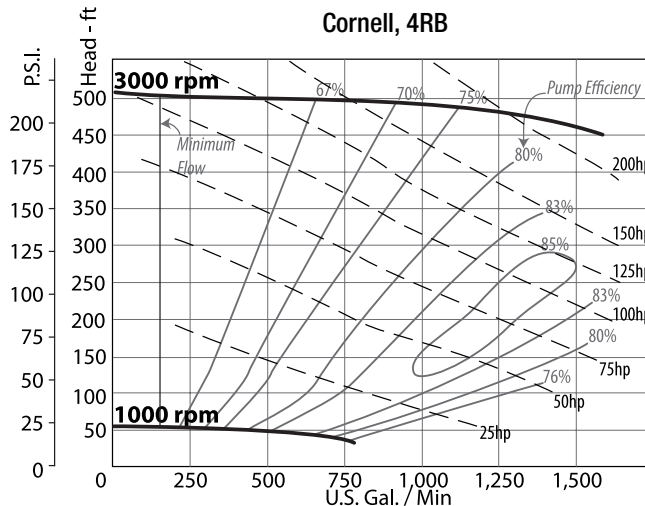
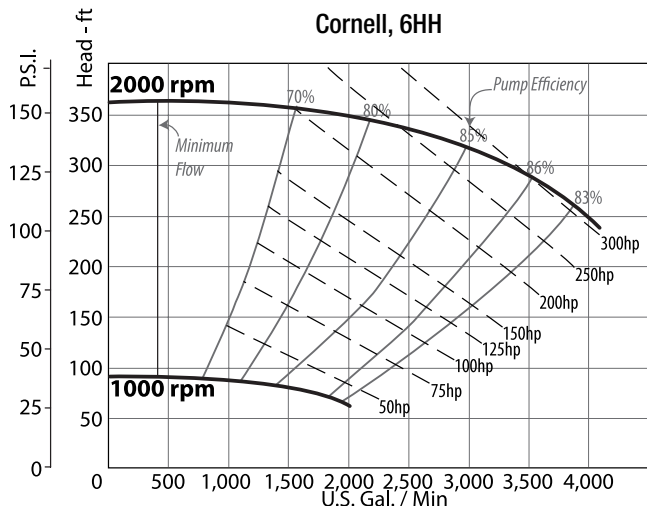
CORNELL ENGINE MOUNT PUMPS

Cornell has built its reputation on producing high quality, efficient, heavy-duty centrifugal pumps to meet the toughest applications. A Cornell pump uses the latest techniques in designing, manufacturing and the rigorous testing of its products.



Available for Cornell Pumps:

- Cycloseal's patented construction design can last as much as 10 times longer than a typical seal
- Run-Dry, auxiliary gland & oil reservoir keeps seal face lubricated and dry running
- Redi-Prime, fully automatic pump priming and re-priming



Listed here is only a very small selection of Cornell pumps and options for S.A.E. Engine Mount.

HAND AND POWER PRIMERS

The Hale 12 volt Power Primer is fast and efficient at priming with the pull of a switch. The Power Primer may be mounted directly onto a diesel powered unit or as a Portable Unit, powered by heavy duty jumper cables and your vehicles battery.

Primers and Parts

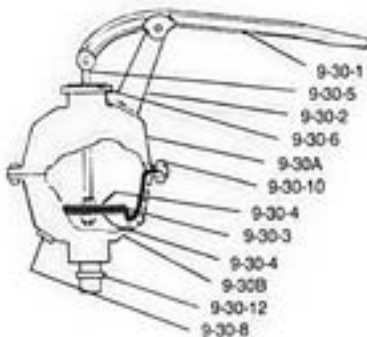
Part #	Description	Price
Power Primer		
AI501-3090-01	Power Primer 12V ESP Less Lubricant	
AI501E	Engine Mount for Power Primer	
AI501P	Portable Power Primer	
AIP200-0042-00-0	Motor for 12V Power Primer	
AIP200-2450-01-0	Switch Micro for Power Primer	
AIP538-0210-00-0	Priming Valve	
AWPP35DC	Power Primer 1/2 HP1 Phase 12V DC	
Hand Primer		
AW7-HP	Hand Primer #7	
BE9-30	Wade Rain Hand Primer	
BEP9-30-3	Diaphragm, Wade Rain Hand Primer	
BEP9-30-4	Steel Disc, Wade Rain Hand Primer	



Hale Power Primer



Wade Rain, Hand Primer



Hand Primer Diaphragm Pump Parts

Part #	Description	Price
BE 9-30A	Body, Top Half	
BE 9-30B	Body, Lower Half	
BE 9-30-1	Handle	
BE 9-30-2	Handle Support	
BE 9-30-3	Rubber Diaphragm	
BE 9-30-4	Steel Diaphragm	
BE 9-30-5	Connecting Rod & Nut	
BE 9-30-6	Handle Bracket Lock Nut	
BE 9-30-8	Rubber Discharge Valve	
BE 9-30-12	Ball Check Valve with Ball	
BE 9-30-13	3/4" Stainless Ball Only	

Your expert Sales Team can recommend the right primer for you.

CONTROLLERS & SWITCHES



Controls Incorporated C-Series Panels provide complete engine display and operation for all engine makes, models and emissions levels. With independent water proof components with water tight connectors, the panels are ready for the most challenging applications and environ-



Controls Inc. Controllers

Part #	Description	Price
EIPC3-7020	Engine Display and Control Panel, J1939 Engines	

The Murphy PowerCore 20 Controller features an out of the box fully sealed industrial controller for various environments. The MPC-20 is powerful and offers easy to use features, targeted at pumping and irrigation applications.



Vacuum Switchgauge



Pump Pressure Switchgauge

Murphy Controls & Gauges

Part #	Description	Price
DS ML2004	PowerCore MPC-20 Panel Controller for Engine	
DS 20P70-100	Pump Pressure Switchgauge, max. 100 P.S.I.	
DS 20P70-150	Pump Pressure Switchgauge, max. 150 P.S.I.	
DS 20P70-200	Pump Pressure Switchgauge, max. 200 P.S.I.	
DS 20P70-300	Pump Pressure Switchgauge, max. 300 P.S.I.	
DS 20V-30	Engine Vacuum Switchgauge, max. 150 P.S.I.	
DS A20DPK15	Differential Pressure for Filter Restrictions, max. 15 P.S.I.	
DS 20DP-30K	Differential Pressure for Filter Restrictions, max. 30 P.S.I.	
DS 20T-250-48	Temperature Switchgauge, max. 250°F, 48" lead	
DS 20T-250-72	Temperature Switchgauge, max. 250°F, 72" lead	
DS 20T-250-120	Temperature Switchgauge, max. 250°F, 120" lead	



Differential Pressure Switchgauge



Temperature Switchgauge

SUCTION FITTINGS



2002 Award Winner
Rural
Initiatives
Program

Using a Food Grade PVC Barrel with all aluminum frame, Vanden Bussche's own innovation clamps onto an aluminum suction tube, keeping the end suction off of the pond bottom.

Suction Pipe Float

Part #	Description	Price
GA BARRELASSY-4	Barrel & Stand for 4" Pipe	
GA BARRELASSY-5	Barrel & Stand for 5" Pipe	
GA BARRELASSY-6	Barrel & Stand for 6" Pipe	
GA BARRELASSY-8	Barrel & Stand for 8" Pipe	
GA BARREL	Plastic Barrel	
GA BARRELSTAND-4	4" Barrel Stand	
GA BARRELSTAND-5	5" Barrel Stand	
GA BARRELSTAND-6	6" Barrel Stand	
GA BARRELSTAND-8	8" Barrel Stand	



Suction Coupler

Barrel & Stand Includes: Barrel, Frame, Stainless Steel Straps & Pipe Clamp - Assembled

Sure-Flo Couplers and Elbows join two pieces of aluminum tubing with an air tight suction seal. Easily and quickly tightened without damage to the tubing, fittings are made of durable, non-rusting aluminum. They feature three aluminum cast pieces sealed by the compression of two rubber gaskets. The aluminum tubing must be supported on both sides of the Sure-Flo fittings



90° Suction Elbow



45° Suction Elbow

Suction Couplers & Elbows

Part #	Description	Size
AU SFC4	Suction Coupler	4"
AU SFC5	Suction Coupler	5"
AU SFC6	Suction Coupler	6"
AU SFC8	Suction Coupler	8"
AU SFE94	90° Suction Elbow	4"
AU SFE95	90° Suction Elbow	5"
AU SFE910	90° Suction Elbow	10"
AU SFE45	45° Suction Elbow	5"

Keep suction elbows 6 x the pipe diameter away from the pump inlet to avoid cavitation.

SUCTION FITTINGS

Sure-Flo Aluminum, Suction Screens & Foot Valves ensure debris stays in your pond not in your irrigation system. Foot Valves have the added advantage of keeping water in the suction line, drastically reducing the amount of time needed to prime the pump at startup.

Part #	Size	Price
Sure-Flo Suction Screen with Slide		
AU SFS2	2"	
AU SFS3	3"	
AU SFS4	4"	
AU SFS5	5"	
AU SFS6	6"	
AU SFS8	8"	
AU SFS10	10"	
AU SFS12	12"	



Part #	Size	Price
Standard Foot Valve for Alum. Tubing		
AU SFV2	2"	
AU SFV3	3"	
AU SFV4	4"	
AU SFV5	5"	
AU SFV6	6"	
AU SFV8	8"	
AU SFV10	10"	



Part #	Size	Price
Vertical Foot Valve for Alum. Tubing		
AU SFV3	3"	
AU SFV4	4"	
AU SFV5	5"	
AU SFV6	6"	
AU SFV8	8"	



Part #	Size	Price
2" x 3' PVC Sand Point, 10 slot (Spigot Connect)		
FH BBP200-3	2"	



Part #	Size	Price
PVC Foot Valve, Poppet Style, EPDM Seal, FIPT		
BA 44067	1"	
BA 44065	1 1/2"	
BA 50051	2"	



Part #	Size	Price
Vertical Foot Valve - Flange		
AU SFW3CF	3"	
AU SFW4CF	4"	
AU SFW5CF	5"	
AU SFW6CF	6"	
AU SFW8CF	8"	



Part #	Size	Price
Vertical Foot Valve - FIPT		
AU SFW2FP	2"	
AU SFW3FP	3"	
AU SFW4FP	4"	



Part #	Size	Price
Brass Valve, Disc Style, Nitrile Seal		
FH 200BCV	2"	



Sure-Flo offers a number of options to increase suction flow. Larger hole sizes, Jumbo, Double Stacked and X Sized Suction Screens and Foot Valves are available to increase the surface area without increasing hole size.

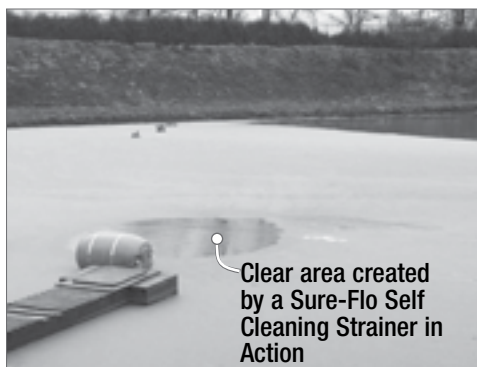
SUCTION FITTINGS



Horizontal Strainer with optional Foot Valve



Self-Cleaning Strainer



Clear area created by a Sure-Flo Self-Cleaning Strainer in Action

Horizontal Strainers provide an ideal solution for pumping from shallow streams. Additional strainer sections may be added to increase surface area. A Foot Valve with tube connection easily bolts into place.

Self-Cleaning Strainers deal very effectively with debris and algae with capacities from 50 gpm to 3,000 gpm. Water is returned to the strainer from the discharge side of the pump; nozzles inside the strainer cause the screen to revolve. Debris that is attached to the screen is blown free when the screen revolves past a hard hitting spray pattern.

Self-Cleaning strainers come in a wide variety of screen lengths and nozzle configurations. A single row of nozzles are available as well as a double row configuration. Also available from Sure-Flo is a Shallow Water Self-Cleaner that needs only 5" above the screen top.

Strainers

Part #	Description	Size
AU SFSH4	Horizontal Strainer	4"
AU SFSH6	Horizontal Strainer	6"
AU SFSH8	Horizontal Strainer	8"
AU SCS2	Self-Cleaning Strainer, Single Noz. Drive	2"
AU SCS4	Self-Cleaning Strainer, Single Noz. Drive	4"
AU SCS6	Self-Cleaning Strainer, Single Noz. Drive	6"
AU SCS8	Self-Cleaning Strainer, Single Noz. Drive	8"
AU SCS4DD	Self-Clean. Strainer, Double Noz. Drive	4"
AU SCS6DD	Self-Clean. Strainer, Double Noz. Drive	6"
AU SCS8DD	Self-Clean. Strainer, Double Noz. Drive	8"

Contrary to popular belief, fixing air leaks and holes in Diaphragms with Duct Tape is not a good long term solution.



The Most Efficient VEGETABLE TRANSPLANTERS

CAROUSEL
TRANSPLANTER
FOR PLUG
STARTS



Our carousel transplanters are COMPLETELY ADJUSTABLE!

- adjustable front arm and rear kick to set plant straight up!
- adjustable planting depth
- adjustable timing of plant drop
- adjustable packing wheels
- adjustable press wheels
- adjustable parallelogram for constant planting depth
- adjustable quantity & positioning of water trip (optional)
- plant drops through large throat

On the Market!

BABY COMPACT



Baby Compact model -
Compact design for tighter row spacing
Maximizes productivity-One person/row
4,000-6,000 plants/hour/row
8 cup carousel
12"-36" adjustable row to row spacings
Plant to plant spacings 5"-32" (standard)

DUAL 12 GOLD



Dual 12 Gold model - ideal for reducing labor
One person sets two rows - 5,500 - 6,500 plants/hour
12 cup carousel
12"-20" adjustable row to row spacings
plant to plant spacings 6"-20" (standard)
6"-32" (optional)

**THE
MARKET LEADER!**

No one sells more
transplanters
in the U.S. than



TRIUM or UNI-TRIUM

Uni-Trium or Trium model - Maximizes productivity
One person/row - 4500-5000 plants /hour/row
10 cup carousel
20"-35" adjustable row to row spacings
plant to plant spacings 6"-20" (standard)
6"-32" (optional)

TRANSPLANTERS



F300L 2 Row Potato Planter

The F300L Semi-Automatic 2 Row Planter is made for seeding whole or cut potatoes, tubers, seeds, nuts & bulbs. Maximum output per operator is 0.6 ha per day, per row. Also available as a 1, 3 & 4 row planter.

- Bin size 70 to 80 kg per row
- Inter-Row spacing 55 to 90 cm (wider available)
- Inter-Plant Spacing 14 to 28 cm, optional kits available for garlic (8, 10, & 12 cm spacing) and wider spacings (32, 35 & 38 cm)
- Maximum tuber size 7 cm by 11 cm
- Adjustable planting depth
- Adjustable drive wheel position
- Adjustable covering discs
- Adjustable drive wheel position



Uni Trium 2 Row Transplanter

Uni Trium is a semi-automatic seedling transplanter for square and pyramid-shaped cells, and plants up to 6 cm in diameter, typically used for the planting of cabbage, cauliflower, broccoli, lettuce and tomatoes.

- Large 10 cup distributor with flat bottom opening cup for reduced noise and reduced wear
- 4000/5000 plants per hour, per row
- Cup extensions for taller plants
- Reduction inserts for small seedlings.
- Rotary tray holder, 4 tray capacity



Trium 4 Row Transplanter

Trium, Total Control Transplanter, excels at transplanting seedlings with developed leaves (tobacco, cabbage, tomato etc). Approximate output is 4,500 to 5,000 plants per hour per row.

- Semi-automatic transplanter for tapered & pyramid shaped cells up to 3 cm in diameter
- Horizontal rotating tray with 10 large capacity, fully opening cups
- Modular / independent floating transplanting units with C&M's high range parallelogram bar connection that keeps each transplanter at a constant horizontal level as it moves across uneven ground
- Easily adjustable Inter-Row spacing on 3 point hitch models 50 to 90 cm, options available for smaller & wider inter-row spacings
- Adjustable Inter-Plant spacing from 14 to 50 cm (wider spacings available)
- Packing wheels have triple adjustment for perfect ridging
- Adjustable: spacing between shoe & packing wheels, seedling placement for tall/short plants, planting depth, ejection timing and wheel scraper



SP50V Potato Lifter

SP50V Potato Lifter is ideal for digging potatoes, garlic, bulbs & other tubers. Single row lifter with rear discharge works great for small tractors with field row spacings between 60 to 90 cm.

You just need a 3 pt hitch and a 540 P.T.O.

TRANSPLANTERS

The Wolf Transplanter excels at transplanting seedlings conical or cylindrical as well as bulbs & seeds up to 7 cm in diameter. The Wolf's perforating planter cup will plant through plastic mulch. Maximum output is up to 3,000 plants per hour, per row.

- Vertically rotating cups (from 1 to 6)
- Modular/independent floating transplanting units
- Easily adjustable Inter-Row spacing on 3 point hitch models, 30 to 90 cm available only on 2-Row Wolf, 3, 4, 5 & 6 Row Wolf has 50 to 90 cm
- Adjustable Inter-Plant spacing from 20 to 198 cm, dependent on the number of planter cups. Eg. a D5 - 5 Cup transplanter is able to plant through plastic at 27, 30, 33 & 35 cm by changing pinions.
- Packing wheels have triple adjustment for perfect ridging with additional adjustments for weight
- Adjustable planting depth, safety release, and seedling placement for tall/short plants



Wolf 2 Row Transplanter

The Wolf PRO Transplanter has been designed for professional use, with or without mulching film.

- Equipped with a continuous rotation perforating cups distributor
- Parallelogram for constant deep soil work
- Large diameter (41 cm-16") compacting wheels
- Side cleaning blades for the perforating cups
- Works perfectly in the presence of biodegradable mulching film and/or heavy soils. It is possible to transplant peat clod-rooted conical, pyramidal or cubic seedlings of maximum 8 cm-3".



Wolf PRO Transplanter

The FoxDrive Transplanter is a great transplanter for tobacco and sweet potatoes. Semiautomatic gripper type for seedling with bare roots or balled roots. Suitable for biomass and bioenergy cultivations.

- Two tyre driving wheels
- Equipped with STANDARD 10-gripper distributor for inter-plant spacings from 23 to 80 cm
- For smaller spacings, the SPECIAL or MASTER distributor are available on request
- Minimum inter-row spacing 50 cm., maximum 90 cm and over on request
- FOXDRIVE-DT Version for inter-row spacings less than 50cm., minimum 25cm.
- Indicative production: 2000/2500 plants per hour each row



FoxDrive Transplanter

The Dual 12 Gold is the queen of the transplanters, having received numerous international awards.

- Single operator feeds at the same time the twin rows of twin transplants, with the consequent reduction to half of the costs of the labor.
- Equipped with a double-jointed parallelogram and reach an indicative production of approximately 6000 plants/an hour



Dual 12 Gold

Checchi & Magli Transplanters are available in more models, combinations and mounting setups than shown here. For each transplanter there are also many options for plant holders, spacings, fertilizer, water, packing wheels, shoe/ploughshare sizes, hydraulics and disc sets. Contact your expert Sales Team for more information on sizing and ordering.

MULCH LAYERS



Model 2600 Raised Bed Layer

Rain-Flo is setting a new standard for layers. The 2600 is available with Automatic or Manual Ro-Trak. Ro-Trak prevents the layer from swaying, even if the Tractor off-steers. Auto. Ro-Trak is recommended for hillsides & contours. The 2600 features adjustable bed width from 3' to 5', adjustable height from 5" to 9" and carries two rolls of mulch. The mulch & carrier feature an adjustable tension brake. The UHMW poly lined Bed Press has adjustable side press plates to control coverage and the large independent press wheels keep the plastic in place. The rolled bed former, spring loaded shovels and re-designed cover disk ensure that fine soil is brought to the bed centre where you need it. The fully open back makes plastic mulch loading easy. The 2600 is also available in 2 & 3 bed units as well as optional attachments for fertilizer & fumigant application, forming crowned beds, and adding additional dripperlines.



Model 2550 Raised Bed Layer

Rain-Flo's 2550 has many of the same features as its bigger brother the Model 2600. The 2550 is available with Automatic or Manual Ro-Trak and feature adjustable bed width from 3' to 4' with adjustable height from 3" to 7". With its compact size the 2550 can do 60" row centres using less horsepower than the Model 2600. The 2550 is available with the same options as the 2600 including 2 & 3 bed units.



Model 345 Flat Bed Layer

Introducing the Rain-Flo Flat Bed Shaper/Thinwall Dripperline & Plastic Mulch Layer. This unit features a specially designed floating leveling blade that excels in uneven ground, eliminating low spots in beds that fill with water. The 354 forms a flat bed and can handle mulch rolls from 36" up to 60".

We also have Mulch Layers and Bed Shapes available for rental. Contact your Sales Rep for more information.

TRANSPLANTERS & MULCH LIFTERS

Model 1600 Water Wheel Transplanter

Rain-Flo's versatile 1600 Transplanter can use from 1 to 4 planting wheels for row spacings 8" to 36". The planting wheels are setup for easy changes and are available in a wide selection of sizes. Two 80 gallon tanks are designed so the tractor operator can see the row & the planters. The galv. racks can hold up to 18 trays. The low profile seats with adjustable foot rest will reduce operator fatigue. Part #: EH 1600



Super Wheel

Rain-Flo's Super Wheel is the ultimate in flexibility and convenience. Removable hard plastic snap-in-lids cover slots in the wheel. Remove the lids and simply Snap-On a Spike.

Super Wheel

Part #	Size	Plant Spacing/Number of Spikes
EH WWS24	24"	8"-12, 16"-6, 22"-4, 28"-3, 40"-2, 77"-1
EH WWS26	26"	6"-18, 12"-9, 17"-6, 31"-3, 45"-2, 86"-1
EH WWS30	30"	5"-24, 10"-12, 14"-8, 19"-6, 27"-4, 35"-3, 51"-2, 98"-1

For a plant spacing of 31", 3 spikes would be mounted on a 26" Super Wheel (Snap-In Spikes Sold Separately)



Snap-On Spike

Super Wheel Snap-On Spike

Part #	Type	Tray / Pot Size	Base Width	Length	Top Width
EH WSA	A	3" Pot	4"	6"	2"
EH WSB	B	2 1/2" Pot	3 1/4"	5 1/2"	1 1/2"
EH WSC	C*	50 to 72 count Tray	2 5/8"	4 1/2"	1 1/4"
EH WSD	D	72 to 96 count Tray	2 1/4"	4"	1 1/8"
EH WSE	E	96 to 128 count Tray	2"	3 1/2"	1"

*Standard Wheels with Welded-On Spikes are also available.

Challenger Model 1800 Plastic Mulch Lifter



When your vegetable crop is harvested, use Challenger to retrieve the plastic mulch to the surface. Challenger will lift plastic 3' to 5' wide. To prevent clogging, the 1800 has spring loaded trash and vine cutting disks with depth control wheels. Hitch up to Challenger and let it do the dirty work!

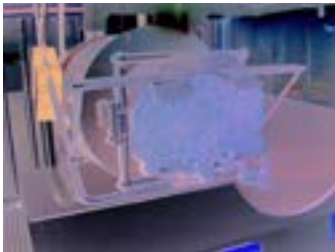
Subsurface Dripperline Layers is used for shallow and subsurface drip installations. The line will help users to inject or retrieve lay flat in a simple and easy manner. Featuring heavy duty shanks and durable construction.

Please contact our Sales Team for more information on buying or renting these units.



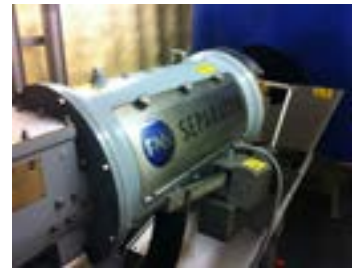
BEDDING RECOVERY UNIT

The Bed Recovery Unit (BRU) developed by FAN, separates, dries and disinfects undigested raw fibers of slurry. This way, costs can be reduced and, at the same time, the milk production is optimized. As this is an ecologic cycle not only the costs for bedding material but also disposal costs can be saved. This biological material is produced directly on the farm and always



The new discharge system can fill up to 70% of the drum, meaning a daily production of up to 46m³ of bedding material.

In order to ensure the fully automatic controlled operation, a special control unit has been developed, which guarantees a constant dry matter content of 36-38% at the separator outlet.



TECHNOLOGY LEADER IN LIQUID SOLID SEPARATION



FAN SEPARATOR

handling of thick and thin slurries –
dryness of the solids between 25% and
35% and with special machines up to 38% –
high capacity, minimal maintenance, low
power consumption.



www.fan-separator.de/en

FAN SEPARATORS

FAN Press Screw Separator PSS

The Press Screw Separator PSS by FAN, a company of the Bauer Group, covers a broad spectrum of applications, from agriculture over biogas and bioethanol plants and food processing, to the chemical industry. It is fed by pump or gravity from a holding tank, with the ability to also be fed by hopper.



The machines are equipped with a flushing device inside the PSS between screen and housing for separating waste water from the slaughtering process in abattoirs. The screen will be flushed with hot water under pressure, allowing the screens to be kept clean.

Maximum Capacities - Raw Materials

	m ³ /h	Max. TS
Cattle Slurry	7	30%
Pig Slurry	16	32%
Biogas-plants	14	30%

The FAN Separator PSS 1.1-300 has a maximum throughput capacity of 70 GPM and a dry matter content of up to 32%.

There are a variety of special coatings available for the augers, including teflon which prevents sticky material from rotating with the auger and blocking the machine.



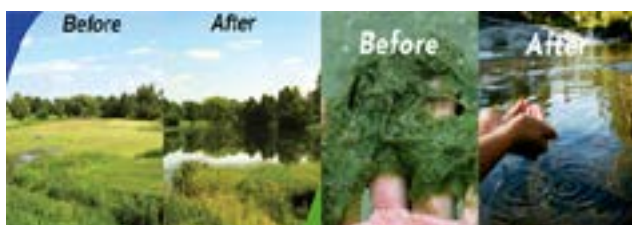
Ask our expert Sales Team for more information on the product and its functions.



The inlet body of the PSS is now equipped with a tooth-system so that long fibers cannot build up on the outer diameter of the auger. Between the screen and the inlet body, there is an exchangeable body protection ring which reduces wear.

POND TREATMENT

Do you struggle to control algae and weed growth in your pond? If not properly managed it can create difficulties when irrigating, produce unpleasant odors, and simply be an eye sore for visitors and customers. Vanden Bussche Irrigation has teamed up with Arbourdale to help you take control of your pond! Their products are organic, biodegradable and safe for water quality, fish and animals.



Part #	Description	Price
OB 11004	Blast	1 box (12 packets)
OB 51116	Aquasphere	1 sphere
OB 52013	Pond Dye - Black	1 box (6 packets)
OB 6811	Renew	10L pail



BLAST

- Used as a shock treatment
- 1 box treats 1,500,000 gallons of water
- Used with biosphere to compensate for seasonal spikes
- 100% natural and biodegradable

Recommended for hard to treat ponds with high amounts of floating organic matter.



AQUASPHERE

- Used as a maintenance product
- Treats 500,000 gallons of water
- Gently toss into pond every 30 days
- 100% natural and biodegradable

Designed to prevent pond issues before they arise, promoting overall pond health.



POND DYE - BLACK

- Used as a maintenance product
- 1 box treats 1.5 acre pond with average depth of 4 feet
- Use until desired colour is achieved
- 100% natural liquid

Pond dye minimizes light penetration resulting in less algae growth and beautiful reflections.



RENEW

- Another form of shock treatment
- 1 Pail treats 20,000 sq./ft of surface area
- Dosage should be reduced by 50% if large fish population
- 100% natural powder

Renew is used to oxygenate ponds which have become stagnant.

TOOLS

Accessories



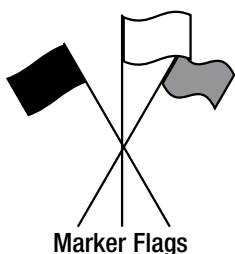
Kenyon Tools



Measuring Wheel



Pressure Gauge
with Pitot Tube



Marker Flags



Cable
& Tightener



Tie Wraps

Part #	Description
MA 11316	36" Landscape Rake
MA 32214	24" Leaf Rake
MA 32617	Garden Rake
MA 21373	3" Trenching Shovel
MA 21374	4" Trenching Shovel
MA 21375	5" Trenching Shovel
MA 24172	Irrigation Shovel
MA 24182	Mini-Round Shovel, D-Grip
MA 24372	Garden Spade - Long Handle
MA 24382	Garden Spade - D-Handle
MA 24574	14" Drainage Spade - Long Handle
MA 24584	14" Drainage Spade - D-Handle
MA 26600	Edger - 48" Handle
MA 81014	Dual Bristle Push Broom
MA 81114	Medium Bristle Push Broom
MA MW19	Measuring Wheel, in feet
DS PG60	60 P.S.I. Standard Pressure Gauge
DS PG100	100 P.S.I. Standard Pressure Gauge
DS PG160	160 P.S.I. Standard Pressure Gauge
DS PG200	200 P.S.I. Standard Pressure Gauge
DS PG300	300 P.S.I. Standard Pressure Gauge
DS OFPG030	30 P.S.I. Oil Filled Pressure Gauge
DS OFPG060	60 P.S.I. Oil Filled Pressure Gauge
DS OFPG100	100 P.S.I. Oil Filled Pressure Gauge
DS OFPG160	160 P.S.I. Oil Filled Pressure Gauge
DS OFPG200	200 P.S.I. Oil Filled Pressure Gauge
DS OFPG300	300 P.S.I. Oil Filled Pressure Gauge
DS OFV30	30 in HG. Oil Filled Vacuum Gauge
OE A-HCP	Pitot Tube, Attaches to Pressure Gauge to measure off of a nozzle.
AX RBF-SYG	Yellow Flags - Steel, 100/bundle
AX RBF-SW	White Flags - Steel, 100/bundle
AX RBF-SR	Red Flags - Steel, 100/bundle
AX RBF-SPP	Purple Flags - Steel, 100/bundle
AX RBF-SPG	Pink Flags - Steel, 100/bundle
AX RBF-SOG	Fluorescent Orange Flags - Steel, 100/bundle
AX RBF-SO	Orange Flags - Steel, 100/bundle
AX RBF-SLG	Lime Flags - Steel, 100/bundle
AX RBF-SGG	Green Flags - Steel, 100/bundle
AX RBF-SB	Blue Flags - Steel, 100/bundle
AT 08-08K	8" UV Coated Tie Wraps, 100/bundle
AT 08-11K	11" UV Coated Tie Wraps, 100/bundle
AT 77-WIRE	1/16" x 1,000' Stainless Aircraft Cable
AT 77-WT	Tightener, 5/16" Drive

Friction Loss in Polyethylene SDR-Pressure Rated Tubing

Velocity measured in ft / sec.,
PSI Loss Per 100 Feet of Pipe (PSI/100FT).

" 3/4"	1"		1 1/4"		1 1/2"		2"	
GPM	Vel.	Loss	Vel.	Loss	Vel.	Loss	Vel.	Loss
1	0.6	0.1						
2	1.2	0.5	0.7	0.1				
3	1.8	1.0	1.1	0.3	0.6	0.1		
4	2.4	1.6	1.5	0.5	0.9	0.1	0.6	0.1
5	3.0	2.4	1.9	0.8	1.1	0.2	0.8	0.1
6	3.6	3.4	2.2	1.1	1.3	0.3	0.9	0.1
7	4.2	4.6	2.6	1.4	1.5	0.4	1.1	0.2
8	4.8	5.8	3.0	1.8	1.7	0.5	1.3	0.2
9	5.4	7.3	3.3	1.9	1.9	0.6	1.4	0.3
10	6.0	8.8	3.7	2.7	2.1	0.7	1.6	0.3
12	7.2	12.4	4.4	3.8	2.6	1.0	1.9	0.5
14	8.4	16.5	5.2	5.1	3.0	1.3	2.2	0.6
16	9.6	21.1	5.9	6.5	3.4	1.7	2.5	0.8
18	10.8	26.2	6.7	8.1	3.9	2.1	2.8	1.0
20			7.4	9.8	4.3	2.6	3.1	1.2
22			8.2	11.7	4.7	3.1	3.5	1.5
24			8.9	13.8	5.1	3.6	3.7	1.7
26			9.6	16.0	5.6	4.2	4.1	2.0
28			10.4	18.4	6.0	4.8	4.4	2.3
30					6.4	5.5	4.7	2.6
35					7.5	7.3	5.5	3.5
40					8.6	9.4	6.3	4.4
45					9.6	11.6	7.1	5.5
50					10.7	14.1	7.9	6.7
55							8.7	8.0
60							9.4	9.4
65							10.2	10.9
70								6.7
75								7.2
80								7.6
85								8.1
90								8.6
95								9.1
100								9.5

Note: Shaded areas of chart indicate velocities over 5' per second. Use caution to prevent water hammer.

Conversion Factors

From	Multiply	To	From	Multiply	To
Length:					
inches	2.54	centimeters	centimeters	0.394	inches
feet	0.3048	metres	metres	3.281	feet
miles	1.61	kilometres	kilometres	0.6214	miles
miles	5280	feet	feet	0.000189	miles
Area:					
acres	0.405	hectares	hectares	2.471	acres
acres	43560	feet ²	feet ²	2.2957 x 10 ⁻⁵	acres
hectares	10000	metres ²	metres ²	0.0001	hectares
metres ²	10.7639	feet ²	feet ²	0.0929	metres ²
inches ²	0.000645	metres ²	metres ²	1550.003	inches ²
Volume:					
acre-inch	3630	feet ³	feet ³	0.000275	acre-inch
acre-feet	43560	feet ³	feet ³	2.2957 x 10 ⁻⁵	acre-feet
feet ³	28.32	litres	litres	0.03531	feet ³
U.S. gallons	3.6826 x 10 ⁻⁵	acre-inch	acre-inch	27154	U.S. gallons
U.S. gallons	231	inches ³	inches ³	0.00433	U.S. gallons
U.S. gallons	0.13368	feet ³	feet ³	7.481	U.S. gallons
U.S. gallons	0.833	Imp. Gallons	Imp. Gallons	1.2009	U.S. gallons
U.S. gallons	3.79	litres	litres	0.26417	U.S. gallons
U.S. gallons	0.003785	metre ³	metre ³	264.172	U.S. gallons
Flow:					
U.S. gal./min.	2.228 x 10 ⁻³	foot ³ /second	foot ³ /second	449	U.S. gal./min.
U.S. gal./min.	2.203 x 10 ⁻³	acre-inch/hour	acre-inch/hour	454	U.S. gal./min.
U.S. gal./min.	0.06309	litres/second	litres/second	15.85	U.S. gal./min.
U.S. gal./min.	3.7854	litres/min.	litres/min.	0.26417	U.S. gal./min.
U.S. gal./min.	6.308 x 10 ⁻³	metre ³ /sec.	metre ³ /sec.	15852	U.S. gal./min.
U.S. gal./min.	0.22716	metre ³ /hour	metre ³ /hour	4.4021	U.S. gal./min.
Pressure:					
inch of mercury	1.132	feet of head	feet of head	0.8834	inch of mercury
P.S.I.	2.31	feet of head	feet of head	0.433	P.S.I.
P.S.I.	0.06805	atmosphere	atmosphere	14.7	P.S.I.
P.S.I.	0.068966	bar	bar	14.5	P.S.I.
P.S.I.	6.89476	kilopascals	kilopascals	0.145	P.S.I.
P.S.I./100ft	22.61	kPa/100m	kPa/100m	0.0442	P.S.I./100ft
P.S.I.	0.07032	kilogram/cm ²	kilogram/cm ²	14.22	P.S.I.
Energy:					
horsepower	0.746	kilowatts	kilowatts	1.3410	horsepower

To Calculate Volume of Water in a Pond:

Rectangular Shaped Pond

Total U.S. Gal. = length x width x average depth x 7.5 x 0.8

Circular Shaped Pond

Total U.S. Gal. = diameter x 3.14 x average depth x 5.9 x 0.8

Oval Shaped Pond

Total U.S. Gal. = max. length x max. width x average depth x 5.9 x 0.8

Friction Loss in Schedule 40 PVC

Velocity measured in ft / sec., PSI Loss Per 100 Feet of Pipe (PSI/100FT).

GPM	1/2"		3/4"		1"		1 1/4"		1 1/2"		2"		2 1/2"		3"		4"		GPM
	Vel.	Loss	Vel.	Loss	Vel.	Loss	Vel.	Loss	Vel.	Loss	Vel.	Loss	Vel.	Loss	Vel.	Loss	Vel.	Loss	
1	1.1	0.4	0.6	0.1															1
2	2.1	1.6	1.2	0.4	0.7	0.1													2
3	3.2	3.3	1.8	0.8	1.1	0.3	0.6	0.1											3
4	4.2	5.6	2.4	1.4	1.5	0.4	0.9	0.1	0.6	0.1									4
5	5.3	8.5	3.0	2.2	1.9	0.7	1.1	0.2	0.8	0.1									5
6	6.3	11.9	3.6	3.0	2.2	0.9	1.3	0.3	0.9	0.1									6
7	7.4	15.8	4.2	4.0	2.6	1.2	1.5	0.3	1.1	0.2	0.7	0.1							7
8	8.4	20.2	4.8	5.1	3.0	1.6	1.7	0.4	1.3	0.2	0.8	0.1							8
9	9.5	25.1	5.4	6.4	3.3	2.0	1.9	0.5	1.4	0.3	0.9	0.1							9
10	10.6	30.5	6.0	7.8	3.7	2.4	2.1	0.6	1.6	0.3	1.0	0.1							10
12	12.7	42.8	7.2	10.9	4.5	3.7	2.6	0.9	1.9	0.4	1.2	0.1	0.8	0.1					12
14	14.8	56.9	8.4	14.5	5.2	4.5	3.0	1.2	2.2	0.6	1.3	0.2	0.9	0.1					14
16	16.9	72.9	9.6	18.5	5.9	5.7	3.4	1.5	2.5	0.7	1.5	0.2	1.1	0.1					16
18	19.0	90.6	10.8	23.1	6.7	7.1	3.9	1.9	2.8	0.9	1.7	0.3	1.2	0.1					18
20			12.0	28.0	7.4	8.7	4.3	2.3	3.2	1.1	1.9	0.3	1.3	0.1	0.9	0.1			20
22			13.2	33.4	8.2	10.3	4.7	2.7	3.5	1.3	2.1	0.4	1.5	0.2	1.0	0.1			22
24			14.4	39.3	8.9	12.1	5.1	3.2	3.8	1.5	2.3	0.5	1.6	0.2	1.0	0.1			24
26			15.6	45.6	9.6	14.1	5.6	3.7	4.1	1.8	2.5	0.5	1.7	0.2	1.1	0.1			26
28			16.8	52.3	10.4	16.2	6.0	4.3	4.4	2.0	2.7	0.6	1.9	0.3	1.2	0.1			28
30			18.0	59.4	11.1	18.4	6.4	4.8	4.7	2.3	2.9	0.7	2.0	0.3	1.3	0.1			30
35			19.2	66.9	13.0	24.4	7.5	6.4	5.5	3.0	3.3	0.9	2.3	0.4	1.5	0.1			35
40					14.8	31.3	8.6	8.2	6.3	3.9	3.8	1.2	2.7	0.5	1.7	0.2			40
45					16.7	38.9	9.6	10.2	7.1	4.8	4.3	1.4	3.0	0.6	2.0	0.2	1.1	0.1	45
50					18.5	47.3	10.7	12.4	7.9	5.9	4.8	1.7	3.4	0.7	2.2	0.3	1.3	0.1	50
55							11.9	14.8	8.7	7.0	5.3	2.1	3.7	0.9	2.4	0.4	1.4	0.1	55
60							12.9	17.4	9.4	8.2	5.7	2.4	4.0	1.0	2.6	0.4	1.5	0.1	60
65							13.9	20.2	10.2	9.6	6.2	2.8	4.4	1.2	2.8	0.5	1.6	0.1	65
70							15.0	23.2	11.0	11.0	6.7	3.3	4.7	1.4	3.0	0.5	1.8	0.1	70
75							16.1	26.4	11.8	12.5	7.2	3.7	5.0	1.6	3.3	0.5	1.9	0.1	75
80							17.1	29.7	12.6	14.0	7.6	4.2	5.4	1.8	3.5	0.6	2.0	0.2	80
85							18.2	33.2	13.4	15.7	8.1	4.7	5.7	2.0	3.7	0.7	2.1	0.2	85
90							19.3	37.0	14.2	17.5	8.6	5.2	6.0	2.2	3.9	0.8	2.3	0.2	90
95									15.0	19.3	9.1	5.7	6.4	2.4	4.1	0.8	2.4	0.2	95
100									15.7	21.2	9.6	6.3	6.7	2.7	4.3	0.9	2.5	0.3	100
120									18.9	29.7	11.5	8.8	8.0	3.7	5.2	1.3	3.0	0.3	120
140											13.4	11.7	9.4	4.9	6.1	1.7	3.5	0.5	140
160											15.3	15.0	10.7	6.3	6.9	2.2	4.0	0.6	160
180											17.2	18.7	12.1	7.9	7.8	2.7	4.5	0.7	180
200											19.1	22.7	13.4	9.6	8.7	3.3	5.0	0.9	200
225													15.1	11.9	9.8	4.1	5.7	1.1	225
250													16.7	14.5	10.8	5.0	6.3	1.3	250
275													18.4	17.3	11.9	6.0	7.0	1.6	275
300															13.0	7.0	7.6	1.9	300
350															15.2	9.4	8.8	2.5	350
400															17.3	12.0	10.1	3.2	400
500																	12.6	4.8	500
600																	15.1	6.8	600

Note: Shaded areas of chart indicate velocities over 5' per second. Use caution to prevent water hammer.

Friction Loss in Class 160 (SDR 26) PVC Pipe
Velocity measured in ft / sec., PSI Loss Per 100 Feet of Pipe (PSI/100FT).

1 1/4"			1 1/2"		2"		2 1/2"		3"		4"		6"		8"		10"		GPM
GPM	Vel.	Loss	Vel.	Loss	Vel.	Loss	Vel.	Loss	Vel.	Loss	Vel.	Loss	Vel.	Loss	Vel.	Loss	Vel.	Loss	GPM
5	0.9	0.1	0.9	0.1															5
10	1.7	0.4	1.3	0.2	0.9	0.1													10
15	2.6	0.8	2.0	0.4	1.3	0.1	0.9	0.1											15
20	3.5	1.4	2.7	0.7	1.7	0.2	1.2	0.1											20
25	4.4	2.1	3.3	1.1	2.1	0.4	1.5	0.1	1.0	0.1									25
30	5.2	2.9	4.0	1.5	2.6	0.5	1.7	0.2	1.2	0.1									30
35	6.1	3.9	4.6	2.0	3.0	0.7	2.0	0.3	1.4	0.1									35
40	7.0	5.0	5.3	2.6	3.4	0.9	2.3	0.3	1.6	0.1									40
45	7.8	6.2	5.9	3.2	3.8	1.1	2.6	0.4	1.8	0.2	1.1	0.1							45
50	8.7	7.5	6.6	3.9	4.2	1.3	2.9	0.5	2.0	0.2	1.2	0.1							50
55	9.6	8.9	7.3	4.6	4.7	1.6	3.1	0.6	2.2	0.2	1.3	0.1							55
60	10.4	10.5	8.0	5.4	5.1	1.8	3.5	0.7	2.4	0.3	1.4	0.1							60
65			8.6	6.3	5.5	2.1	3.8	0.8	2.5	0.3	1.5	0.1							65
70			9.3	7.2	5.9	2.4	4.1	1.0	2.7	0.4	1.7	0.1							70
75			10.0	8.2	6.4	2.8	4.3	1.1	2.9	0.4	1.8	0.1							75
80					6.8	3.1	4.6	1.2	3.1	0.5	1.9	0.1							80
85					7.2	3.5	4.9	1.4	3.3	0.5	2.0	0.2							85
90					7.6	3.9	5.2	1.5	3.5	0.6	2.1	0.2							90
95					8.1	4.3	5.5	1.7	3.7	0.7	2.3	0.2							95
100					8.5	4.7	5.8	1.9	3.9	0.7	2.4	0.2							100
110					9.3	5.6	6.4	2.2	4.3	0.9	2.6	0.3							110
120					10.3	6.6	7.0	2.6	4.7	1.0	2.8	0.3							120
130							7.5	3.0	5.1	1.2	3.1	0.3							130
140							8.1	3.5	5.5	1.3	3.3	0.4							140
150							8.7	3.9	5.9	1.5	3.6	0.5							150
160							9.3	4.4	6.3	1.7	3.8	0.5							160
170							9.8	5.0	6.7	1.9	4.0	0.6	1.9	0.1					170
180							10.4	5.5	7.0	2.1	4.3	0.6	2.0	0.1					180
190									7.4	2.4	4.5	0.7	2.1	0.1					190
200									7.8	2.6	4.7	0.8	2.2	0.1					200
225									8.8	3.2	5.3	1.0	2.5	0.1					225
250									9.8	3.9	5.9	1.2	2.7	0.2					250
275									10.8	4.7	6.5	1.4	3.0	0.2	1.8	0.1			275
300											7.1	1.6	3.3	0.3	1.9	0.1			300
325											7.7	1.9	3.6	0.3	2.1	0.1			325
350											8.3	2.1	3.8	0.3	2.3	0.1			350
375											8.9	2.4	4.1	0.4	2.4	0.1			375
400											9.5	2.8	4.4	0.4	2.6	0.1			400
450											10.6	3.4	4.9	0.5	2.9	0.1	1.9	0.1	450
500													5.5	0.6	3.2	0.2	2.1	0.1	500
600													6.6	0.9	3.9	0.3	2.5	0.1	600
700													7.6	1.18	4.5	0.3	2.9	0.1	700
800													8.7	1.5	5.2	0.4	3.3	0.1	800
900													9.8	1.9	5.8	0.5	3.7	0.2	900
1000													10.9	2.3	6.4	0.6	4.1	0.2	1000
1250															8.1	1.0	5.2	0.3	1250
1500															9.7	1.3	6.2	0.5	1500

Note: Shaded areas of chart indicate velocities over 5' per second.
Use caution to prevent water hammer.

Friction Loss in Aluminum Pipe with Couplers
Velocity measured in ft / sec., PSI Loss Per 100 Feet of Pipe (PSI/100FT).

GPM	2"		3"		4"		5"		6"		7"		8"		10"		GPM
	Vel.	Loss	Vel.	Loss	Vel.	Loss	Vel.	Loss	Vel.	Loss	Vel.	Loss	Vel.	Loss	Vel.	Loss	
5																	5
10	1.0	0.1															10
15	1.5	0.3															15
20	2.0	0.6															20
25	2.6	0.8	1.1	0.1													25
30	3.1	1.0	1.4	0.2													30
35	3.6	1.4	1.6	0.2													35
40	4.1	1.8	1.8	0.3													40
45	4.6	2.3	2.0	0.3													45
50	5.2	2.8	2.3	0.4	1.3	0.1											50
55	5.6	3.2	2.5	0.5	1.4	0.1											55
60	6.1	3.9	2.7	0.6	1.5	0.1											60
65	6.6	4.6	3.0	0.6	1.7	0.2											65
70			3.2	0.7	1.8	0.2											70
75			3.4	0.8	1.9	0.2											75
80			3.6	0.9	2.0	0.2											80
85			3.9	1.0	2.2	0.3											85
90			4.1	1.2	2.3	0.3	1.5	0.1									90
95			4.3	1.3	2.4	0.3	1.6	0.1									95
100			4.5	1.4	2.6	0.3	1.6	0.1									100
110			5.0	1.7	2.8	0.4	1.8	0.1									110
120			5.4	2.0	3.1	0.5	2.0	0.2									120
130			5.9	2.3	3.3	0.6	2.1	0.2									130
140			6.5	2.6	3.6	0.7	2.3	0.2	1.6	0.1							140
150			6.8	3.0	3.8	0.8	2.5	0.2	1.7	0.1							150
160			7.3	3.4	4.1	0.8	2.6	0.3	1.8	0.1							160
170			7.7	3.8	4.3	0.9	2.8	0.3	1.9	0.1							170
180			8.2	4.2	4.6	1.0	2.9	0.3	2.0	0.1							180
190					4.9	1.1	3.1	0.4	2.2	0.2							190
200					5.1	1.3	3.3	0.4	2.3	0.2	1.7	0.1					200
225					5.7	1.6	3.7	0.5	2.6	0.2	1.9	0.1					225
250					6.4	1.9	4.1	0.6	2.8	0.3	2.1	0.1					250
275					7.0	2.3	4.5	0.7	3.1	0.3	2.3	0.2					275
300					7.7	2.7	4.9	0.9	3.4	0.4	2.5	0.2	1.9	0.1			300
325					8.3	3.1	5.3	1.1	3.7	0.4	2.7	0.2	2.1	0.1			325
350							5.7	1.2	4.0	0.5	2.9	0.2	2.2	0.1			350
375							6.1	1.4	4.3	0.6	3.1	0.3	2.4	0.1			375
400							6.5	1.5	4.5	0.7	3.3	0.3	2.6	0.2			400
450							7.3	1.9	5.1	0.8	3.8	0.4	2.9	0.2			450
500							8.2	2.3	5.7	0.9	4.2	0.4	3.2	0.2	2.0	0.1	500
600									6.8	1.3	5.0	0.6	3.8	0.3	2.5	0.1	600
700	Note: Shaded areas of chart indicate velocities over 5' per second. Use caution to prevent water hammer.								7.1	1.7	5.8	0.8	4.5	0.4	3.1	0.2	700
800									9.1	2.3	6.7	1.1	5.1	0.6	3.3	0.2	800
900											7.5	1.3	5.7	0.7	3.7	0.2	900
1000											8.3	1.6	6.4	0.8	4.1	0.3	1000
1250													8.0	1.3	5.1	0.4	1250
1500															6.1	0.6	1500



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