

- | | |
|-------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|
| ① Rainwater collection point (roof drains, gutters, etc). | ⑦ Submersible pump, 6" max submergence |
| ② Leaflet Advanced self-cleaning rainwater prefilters on downspouts | ⑧ Low water cut off float switch |
| ③ Schedule 40 pipe | ⑨ Overflow |
| ④ Gasket or seal to prevent insects | ⑩ Controller with pressure tank |
| ⑤ Above-ground tank | ⑪ Base of gravel or concrete recommended |
| ⑥ Smoothing Inlet - "flow-calming" device to prevent turbulence in the cistern, and aerate. Constructed of elbows & tee | ⑫ Popup emitter to prevent insect intrusion |

RAINWATER HARVESTING SYSTEM DETAIL

GEORGIA WATER TANKS 404-991-0404

ABOVE GROUND TANK, SUBMERSIBLE PUMP, PRESSURE TANK

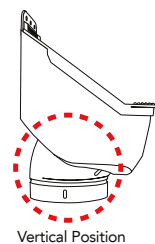
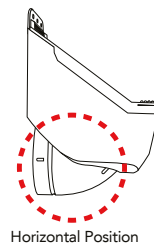
NOT TO SCALE



Products: Leaf Eater Advanced

Code: RHAD99 – 3"
RHAD98 – 4"

The Next Generation in
Rain Heads.



Product Description

Keeps your Rain Harvesting system free of mosquitoes, vermin and debris.

The Leaf Eater Advanced™ is the next generation Rain Head, featuring the new Clean Shield™ (single screen) technology and VH Pivot™ outlet. The Leaf Eater Advanced™ Rain Head prevents debris from entering the Rain Harvesting system, improves water quality and reduces tank/cistern maintenance. The single screen incorporates Clean Shield™ technology which deflects leaves and debris away from the flow of water. This minimises maintenance and enhances catchment efficiency. This Rain Head incorporates a VH Pivot™ outlet that swivels to suit vertical or horizontal downspouts. The Leaf Eater Advanced™ can also be used as a debris removing device even when rainwater is not being collected.

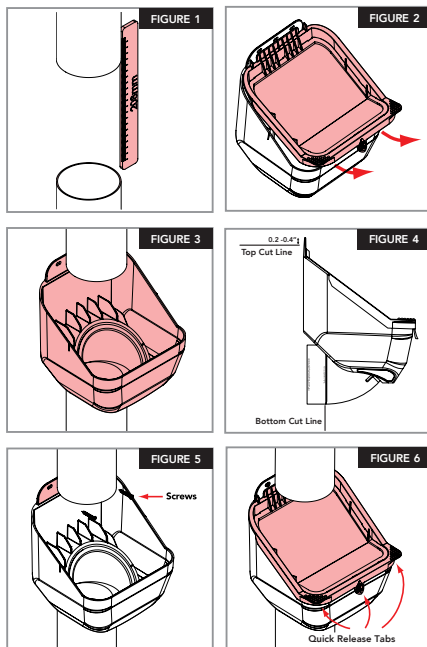
Features and Benefits

- Compact, versatile rain head for quick and easy installation
- Single screen technology for advanced debris shedding (Clean Shield™)
- Minimal maintenance
- Superior catchment efficiency at low and high flow rates
- Pivot the outlet to suit vertical or horizontal (rear outlet) downspouts (VH Pivot™)
- High flow rate performance
- Single screen with 1/32" aperture mosquito proof stainless steel mesh
- Include adaptor for secure connection to downspout

Installation

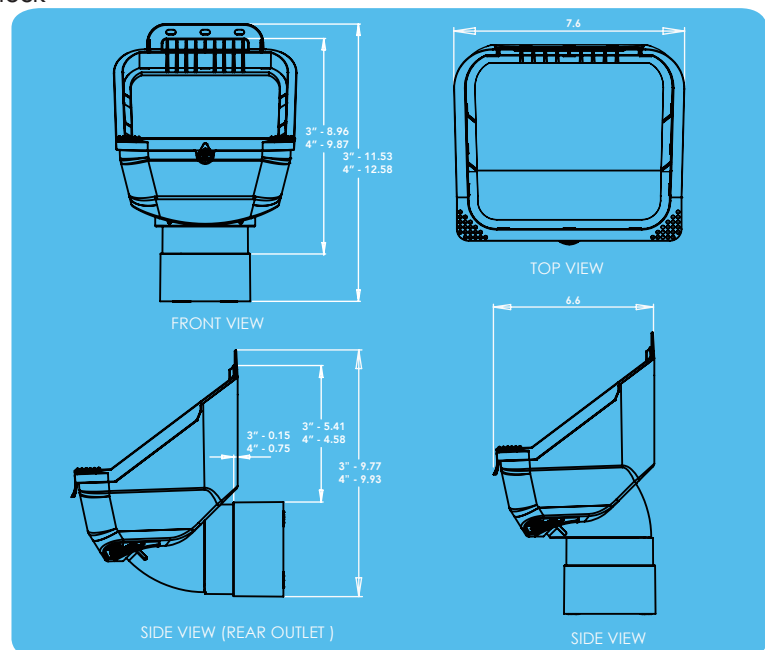
Gutter & Mid-Mount Installation

1. Gutter: Measure 10½" from the bottom of the existing gutter pop and remove this section of downspout. Ensure the cut edge is clean and smooth. Mid-Mount: Remove 10½" of downspout where the Leaf Eater Advanced™ is to be situated. Ensure all cut edges are clean and smooth. (figure 1)
2. Using the quick release tabs remove the Clean Shield™ screen by lifting it up and then out. (figure 2)
3. Insert the Leaf Eater Advanced™ by sliding it up over the cut section and then down into position. The Leaf Eater Advanced™ outlet should be slid firmly onto the bottom downspout until it can be pushed no further. (figure 3)
4. Screw the Leaf Eater Advanced™ into position through the screw slots provided. Ensure appropriate screws and anchors (if required) are used. (figure 5)
5. Insert the Clean Shield™ screen into the Leaf Eater Advanced™. Ensure the Clean Shield™ screen is sitting firmly in place and check installation is secure. (figure 6)



Horizontal (Rear Outlet) Installation

1. Using the quick release tabs remove the Clean Shield™ screen by lifting it up and then out. (Figure 2)
2. Swivel the outlet to the horizontal position – some force may be required.
3. Position the Leaf Eater Advanced™ next to existing pipework, mark and cut top and bottom cut lines as per figure 4. Ensure the cut edge is clean and smooth.
4. Insert the Leaf Eater Advanced™ by sliding the rear outlet into the horizontal pipe. The back fixing plate must sit behind the top section of downspout. (figure 3)
5. Screw the Leaf Eater Advanced™ into position through the screw slots provided. Ensure appropriate screws and anchors (if required) are used. (figure 5)
6. Insert the Clean Shield™ screen into the Leaf Eater Advanced™. Ensure the Clean Shield™ screen is sitting firmly in place and check installation is secure. (figure 6)



ALL DIMENSIONS IN INCHES UNLESS OTHERWISE STATED.

Maintenance

The Clean Shield™ screen is mostly self cleaning. If cleaning is required simply lift the Clean Shield™ screen out by taking hold of the quick release tabs and pull the Clean Shield™ screen upwards and outwards, then hose or brush off.

DISCLAIMER This product specification is not a complete guide to product usage. Further information is available from Rain Harvesting Pty Ltd and from the Installation and Operating Instructions. This specification sheet must be read in conjunction with the Installation and Operating Instructions and all applicable statutory requirement. Product specifications may change without notice. © Rain Harvesting Pty Ltd



Dura-Cast Vertical Tanks

- Capacities from 20 to 12,500 gallons
- Four duty ratings available: 1.0 | 1.2 | 1.5 | 1.9
- Free-standing on solid pad
- Molded-in measurement graduations
- Hold-down grooves or tabs
- Flat spots at bottom for leak-free fitting mountings
- Vented manway fitting on top
- Custom installation of optional drain fitting
- 16 colors available
- FDA compliant polyethylene for water
- Three (3) year warranty

VERTICAL TANK USES

Polyethylene vertical tanks are primarily used for bulk storage. Because they have superior mechanical properties, high stiffness, excellent low temperature impact strength, and outstanding environmental stress crack resistance, they stand up well in these tough environments.

Vertical tanks have a high resistance to both physical and chemical attack. This makes them excellent containment vessels for a wide range of diverse contents from aggressive corrosive chemicals to food products. Some typical contents are a wide range of industrial chemicals, liquid fertilizers, liquid animal feeds, potable water, or liquid food products.

VERTICAL TANK CONSTRUCTION

The overall general toughness and excellent chemical resistance of polyethylene to a wide array of wet and dry industrial chemicals and food products makes it ideally suited for storage tanks. Dura-Cast vertical tanks are made with FDA compliant UV stabilized polyethylene. They comply with U.S. Food & Drug Administration regulation 21CFR 177.1520 (1) 3.1 and 3.2 for storage of potable water. This permits it to be used as an article that can be in contact with potable water or food products.

Vertical tanks can be used indoors or outdoors. Because the resin is UV stabilized, it will not breakdown under harsh outdoor weather conditions or under prolonged exposure to fluorescent lights. The natural opaqueness of polyethylene permits easy viewing of content levels.

Because the vertical tanks are rotomolded, they are of single piece construction, seamless, have consistent tank wall thicknesses, and are stronger at wall joints and corners. Each vertical tank comes equipped with a manway fitting installed on top of the tank.

Vertical tanks are available with Water, 1.2 SPG, 1.5 SPG, and 1.9 SPG duty ratings. Standard color is Natural White, but tanks can be ordered with green, gray, black, blue, or your choice of custom color.





Storage Tanks

Chemical, Agricultural and Water



Storage Tanks

• Service • Quality • Innovation

Who we are?

Rotoplas is a globally recognized leader in the design and manufacturing of water, feed and chemical storage polyethylene solutions. These heritage products and commitment to service, quality and innovation is what's driven our growth across the United States, Mexico and the rest of Latin America; bringing to market storage,

handling, purification and water treatment solutions currently produced through 26 plants across both continents with the newest plant in Merced, CA. By leveraging our production expertise and manufacturing capacity, we commit to having product when you need it most.



1. NSF Certification: Rotoplas tanks are certificated by NSF to making sure that the products meet strict standards for public health protection.



2. FDA Certification: Rotoplas tanks are manufactured using resins that meet FDA specifications to ensure safe storage of potable water.



3. Light weight: Warranty an easy instalation and easy handling.



4. Resistant to chemicals: Ensure a save storage of fertilizer and corrosive chemicals.



Colors available



White



Black



Green

Warranty



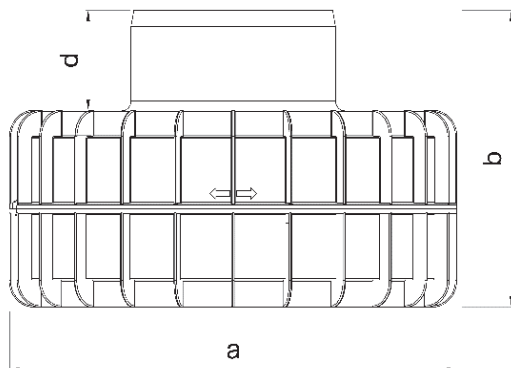
Chemical Tanks



Agricultural Tanks



Water Tanks

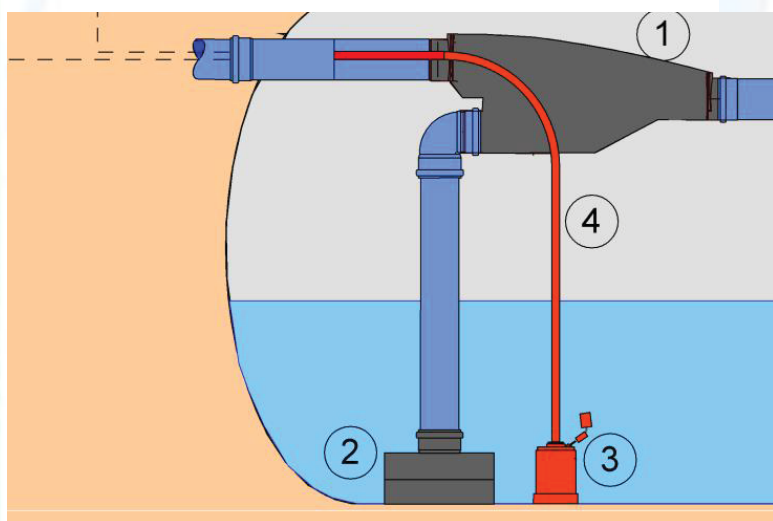


a = 13.7"
b = 8.3"
d = 2.8"
Connection = 6"

The PLURAFIT PF 300-150 Calming Inlet meets ASPE 63 requirements for rainwater collection best practices. By introducing rainwater to the bottom of the tank, any accumulated sediment is undisturbed while water is aerated by the incoming rainwater. Beneficial biofilm is rejuvenated and allowed to grow. The PLURAFIT DN-150 allows periodic cleaning if necessary by removal of the bottom bowl without complete removal. Any 6" pipe can be attached with the rubber coupling (included).

Description

Diagrams & Specs.



Feed Pipe Diameter	6"
Design Flow	>80 GPM
Unit Height	8.3"
Unit Diameter	13.7"
Connection	Male
Pipe Connection	Any 6"

- ① PURAIN DN150-S Pre-Filter
- ② PLURAFIT DN150 Calming Inlet
- ③ Submersible Pump
- ④ Delivery to End Use

Accessories

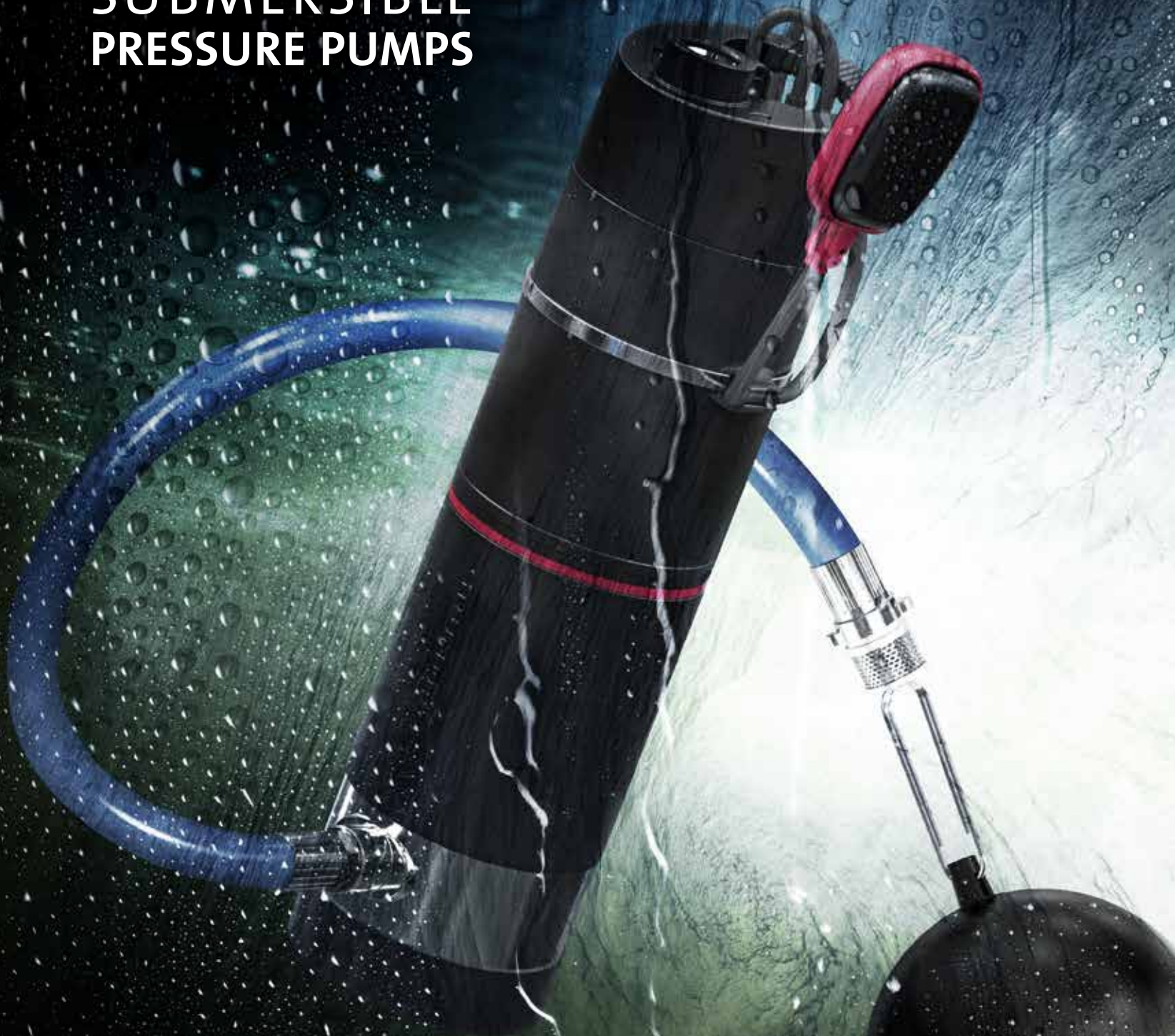


The PLURAFIT DN 150 Calming inlet is designed to be installed in conjunction with the PURAIN DN150-S which also uses 6" pipe diameters.

PLURAFIT Calming Inlets are also available in 4" and 8" sizes.

SBA

SUBMERSIBLE PRESSURE PUMPS



be
think
innovate

GRUNDFOS 

GRUNDFOS PUMP SOLUTIONS

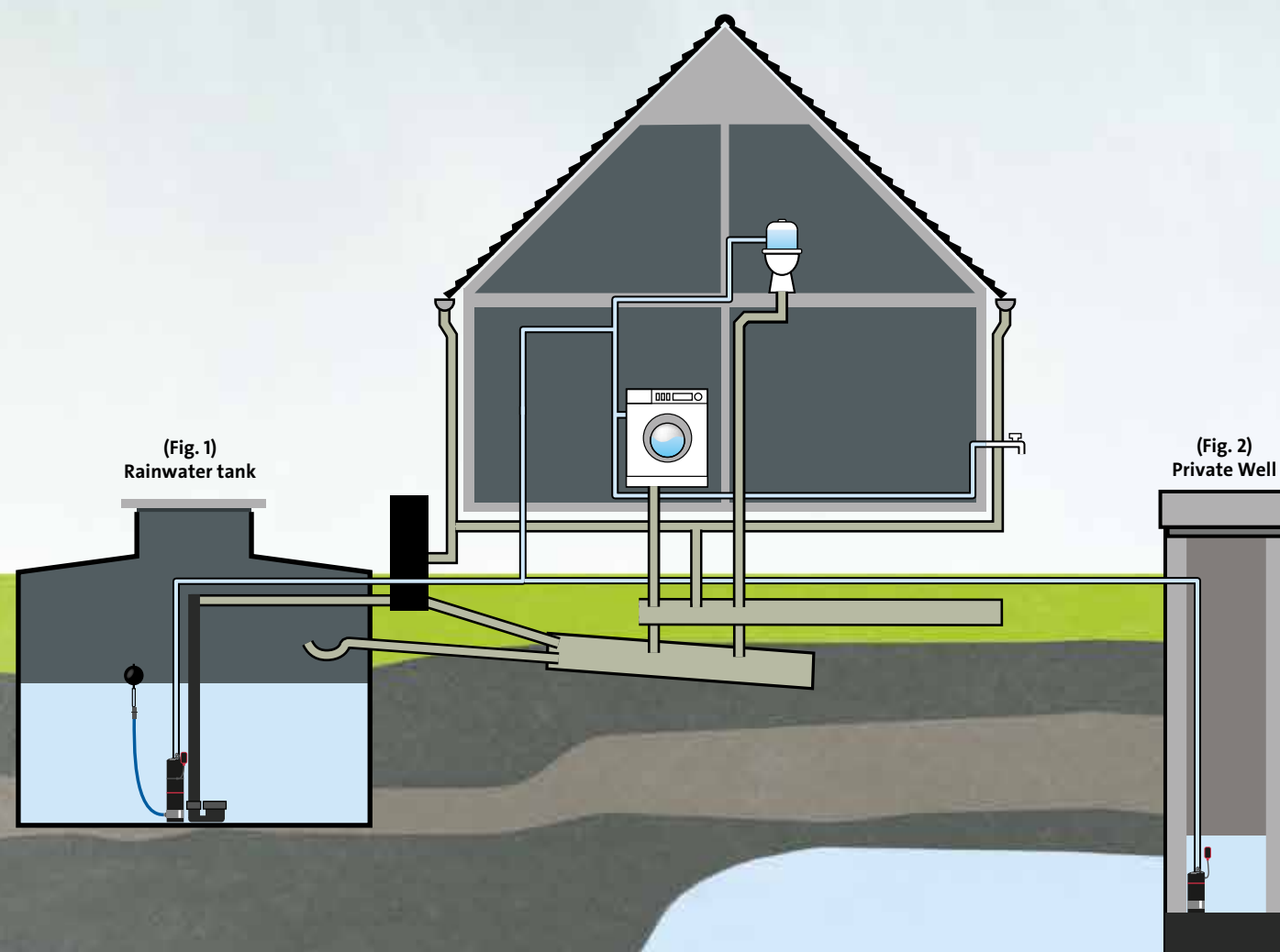
The Grundfos SBA are submersible pressure pumps. They offer simple installation and turn rainwater in collecting tanks or water from wells into a reliable source of water for domestic and commercial applications.

Water from rainwater tanks (Fig. 1)

The harvesting of rainwater involves filtration of roof run-off and subsequent storage for later use. The water is collected from the roofs of buildings and stored in rainwater tanks. Collected and stored rainwater is ideal for garden watering, toilet flushing, washing machines and car washing

Water from private wells (Fig. 2)

Water from private well, typically supplies drinking water to areas that are not connected to the municipal water supply. Or serves as a supplement to traditional water supply and used for irrigation, flushing toilets, washing machines in private homes and weekend cottages.



SBA

The new Grundfos SBA is a complete all-in-one unit. It comes with an integrated control unit – eliminating the need for an external pump controller.

With the new SBA, everything you need to guarantee reliable pumping of water is included.

Built to your needs

Many installers and home-owners want simple but reliable pump solutions that require only a minimum of changes to the original installation.

The SBA is literally a plug- and pump solution. Once installed and connected to the piping, all you need to do is switch on the pump. The result is a reliable solution and greatly reduced installation costs.

SBA two main versions:

SBA pumps are available in the following configurations:

- With integrated suction strainer .04 in (1 mm) mesh
- Or with side inlet/flexible suction hose with floating suction strainer .04 in (1 mm) mesh.

All variants are available with float switch. The float switch offers stop at low water level, ensuring that surface fragments do not enter the strainer.

SBA AW
(floating suction strainer
& float switch)



SBA A
(fixed strainer &
float switch)



SBA in-brief:

- Simplicity – all-in-one unit
- Easy installation – no external control unit
- Integrated dry-running protection
- Automatic restart after dry-running
- Lifting eye

SBA overview:

Noiseless operation

The SBA pump emits no noise when submerged and is therefore a noiseless alternative to non-submersible pumps.

High reliability

The SBA pump is built from composite and stainless-steel materials which are resistant to corrosion. Furthermore, the pump has a stainless-steel strainer which prevents large particles from entering the pump housing.

Floating suction strainer

The model with floating suction strainer always draws the water from just below the water surface where the water is clean and free from solid particles.

Longer life

The SBA features integrated dry-running protection. A Grundfos float switch prevents air from entering the system as a result of dry running. All pumps are available with float switches for low water stop. SBA with float switch automatically restarts when water is added. SBA without float switch will try to restart every 24 hours.

Integrated protection

Built-in thermal overload protection immediately stops the pump if it overheats. The pump automatically restarts when it has returned to normal temperature.

TECHNICAL INFORMATION

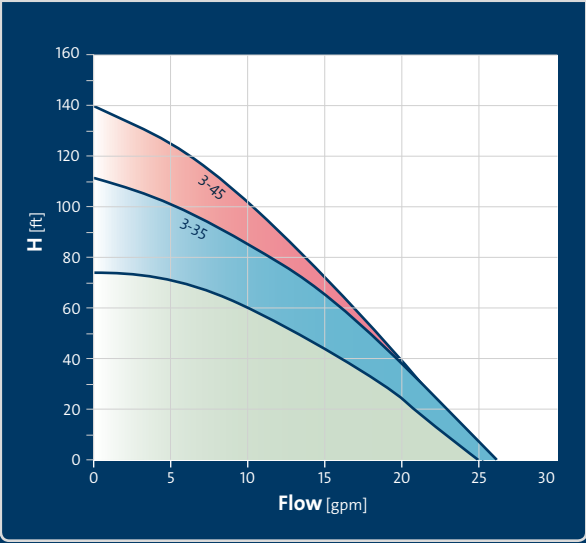
SBA pump range

Pump type	Max head / nominal flow
3-35	115 ft / 13 gpm
3-45	148 ft / 13 gpm

Technical data

Max depth	33 ft
Liquid temperature	32-104°F

Performance: SBA (60 hz)



L-SBA-SL-01 07/15 (US)

GRUNDFOS North America
2001 ButterField Rd, Ste 1700
Downers Grove, IL 60515

www.grundfos.us

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ELECTROVAREM

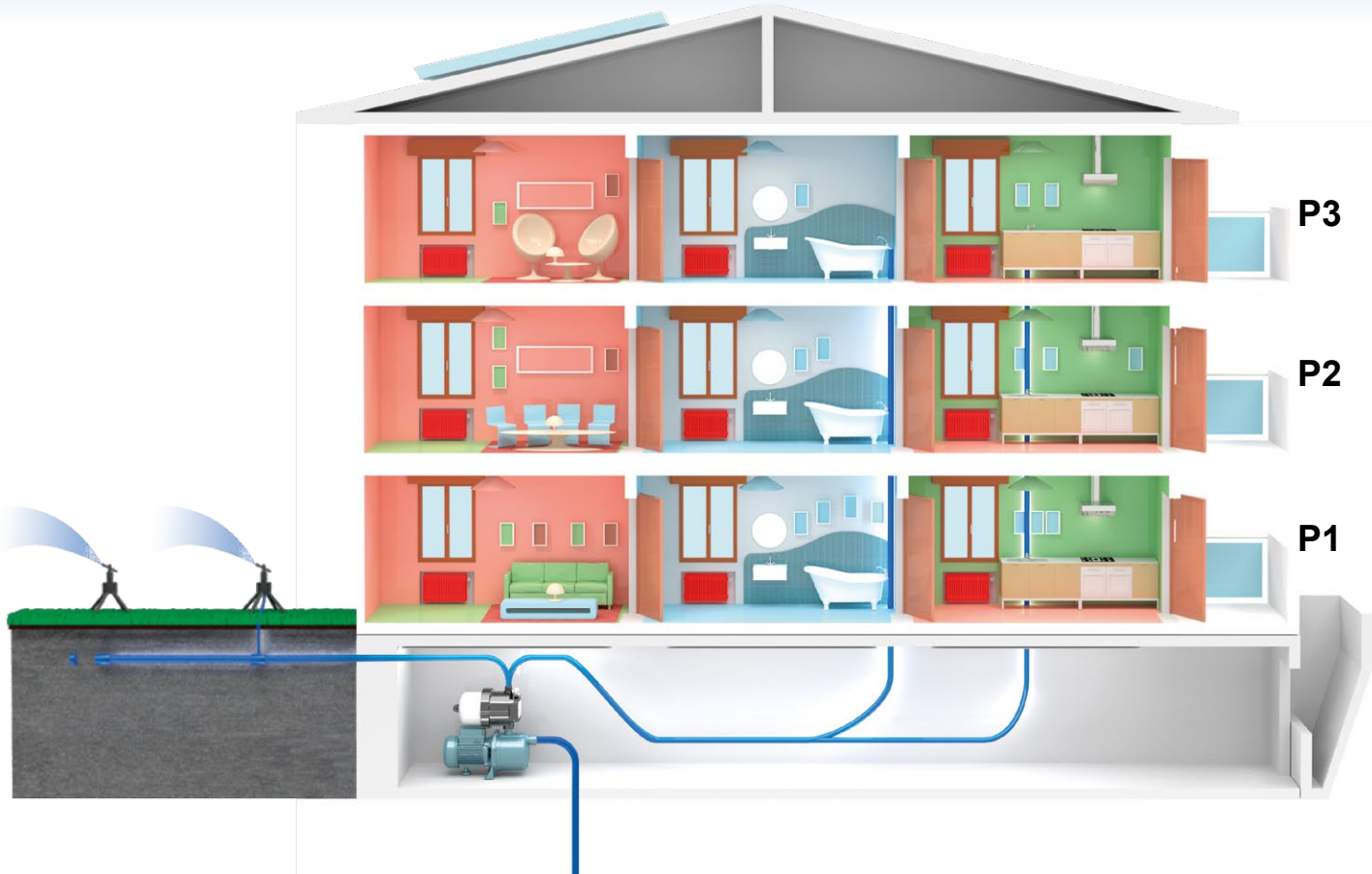
ELECTRONIC PUMP CONTROLLER WITH INTEGRAL PRESSURE TANK



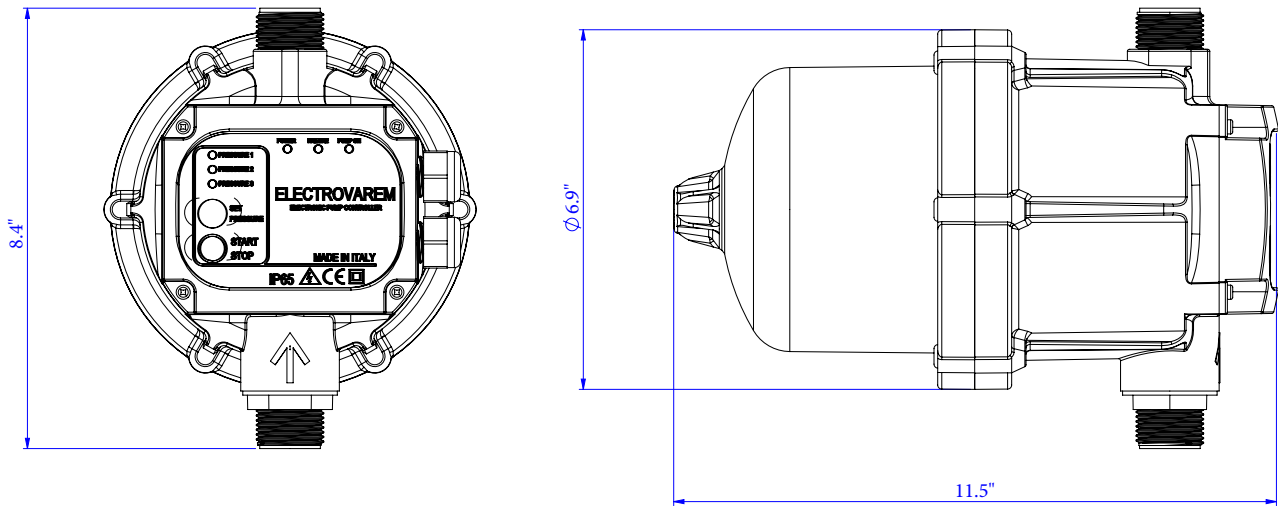
We provide advanced solutions for water handling and for the safety of hydraulic systems, pursuing maximum energy efficiency and reliability.

ADVANTAGES

- 1 BUILT-IN PRESSURE TANK
- 2 BUILT-IN PRESSURE REGULATOR
- 4 BUILT-IN CHECK VALVE
- 5 START ON FLOW + LOW PRESSURE
- 6 STOP ON NO FLOW + PRESSURE
- 7 PUMP PROTECTION from dry running, frequent on/off, water hammer, lightning, and power surges



DIMENSIONS



PATENT PENDING

3 MINIMUM PRESSURE SETTINGS



REMOVABLE FITTING FOR VALVE MAINTENANCE

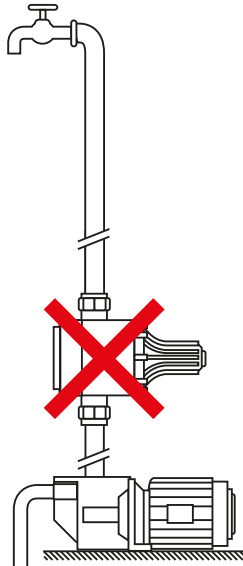
NON-RETURN VALVE FOR DRY RUN PROTECTION (AUTO RESTART AFTER 10-20-30 MINUTES)

Standard application

Electronic Pump Controller

+

Pump



3 LITER/0.8 GALLON PRESSURE TANK

REPLACEABLE BUTYL MEMBRANE

Solution with Electrovarum

Electrovarum

+

Pump

ADVANTAGES

- Water reserve
- Protection from water hammer
- Reduced use of the pump
- Significant energy savings
- Pressure regulation according to the demand of water
- Maximum pressure alarm



ELECTROVAREM

ELECTRONIC PUMP CONTROLLER WITH BUILT-IN 3 L PRESSURE TANK

TECHNICAL FEATURES

- Butyl membrane
- Max Temp: 120°F
- Frequency = 50/60 Hz
- Voltage = 230V±10% (120V upon request)

PROTECTION AGAINST

- Dry running
- Water hammer
- Frequent pump ON/OFF
- Overvoltage
- Overpressure



3 restart pressures

Precharge	22 psig standard factory setup	30 psig	35 psig
P 1	20	26	33
P 2	30	36	44
P 3	38	46	58
P max	62	73	87
TYPICAL APPLICATIONS	Jet, centrifugal and peripheral pumps	Submersible pump up to 73 psig	Submersible pump up to 87 psig

Code	Oqfgn
EV003363PL220000	STANDARD 12A
EV003363PL220C01	STANDARD 12A (non cabled)
EV003363PL22M000	PLUS GAUGE
EV003363PL22MC01	PLUS GAUGE (non cabled)
EV003363PL26M000	TOP 16A WITH GAUGE
EV003363PL26MC01	TOP 16A CON MANOMETRO/GAUGE + CAVI/CABLES (non cablati/not cabled)



STANDARD

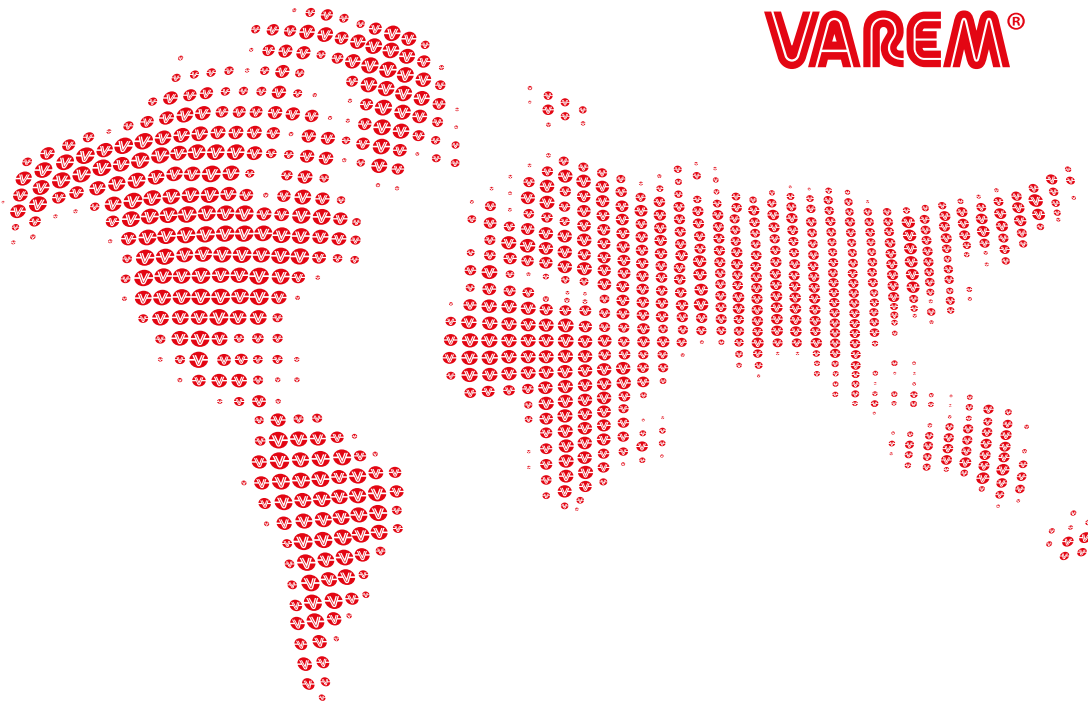


PLUS



TOP

VAREM®



USA Sales

GEORGIA WATER TANKS
404-991-0404
www.georgiawatertanks.com



CONTACTS:

HOW TO REACH US

Varem s.p.a

www.varem.com
varem@varem.com, vendite@varem.com
tel. +39 049 8840322
fax +39 049 8841399
P. Iva 01010270286

Bovolenta plant - registered office

via Sabbioni 2, I-35024 Bovolenta (PD) - Italy
45° 16' 02.49" N, 11° 55' 51.49" E

Limena plant - headquarters

via del Santo 207, I-35010 Limena (PD) - Italy
45° 27' 43.93" N, 11° 15' 12.44" E

By car: exit highway A4 Padova Ovest, way to Trento/Bassano, first exit to Limena



MYERS® MD SERIES

The Myers® MD series 4" stainless steel submersible effluent pumps are capable of drawing down to 4-1/2" (a standard NEMA 4" only draws down to 13-1/2"). Lower amp draw reduces operating costs and extends the life of the float switch contacts. Pumped fluid flows around motor providing cooling and sound dampening. Ideal for on-site filtered and cistern applications.

APPLICATIONS

On-site filtered effluent, cistern

SPECIFICATIONS

Capacities – 2-35 GPM (7.6-132.5 LPM)
Shut-off Head – 75'-225' (22.9-68.6 m)
Max. Spherical Solids – .080" (2.0 mm)
Liquids Handling – Filtered effluent
Max. Liquid Temperature – 86°F (30°C)
Motor/Electrical Data – Dry-wound, double ball bearing, double-seal, thermal overload protected, 115V, 1Ø, 60Hz
Specific Gravity – .9-1.1
Viscosity – 28-35 SSU
Discharge, NPT – 1-1/4"
Housing – Stainless steel and composite
Power Cord – 10' (30 m), 300V, 2-wire with ground, SJTW-A, SJTW



FEATURES

Superior Drawdown

Beats the industry standard for drawdown by 9" (Myers: 4-1/2" vs. NEMA: 13-1/2")

Lower Operating Costs

25% reduced amp draw (9.5A vs. 12.7A for standard NEMA 4")

Cooler and Quieter

Designed to route pumped fluid over motor for cooler operation and reduce noise – eliminates need for expensive "flow-inducer sleeves"

Proven and Patented

Field-proven staging system utilizes patented ceramic wear surface and features industry-exclusive "dry-run" capabilities

Built to Last

Stainless steel and reinforced thermoplastic construction; heavy duty, double-seal, double ball-bearing motor with 7/16" stainless steel shaft

Thermal Protection

Overload protection with automatic reset when motor cools to a safe operating temperature

Protected From Debris

Self-lubricating Nylatron® shaft bearing protects wear surface from sand and abrasives

Serviceable Screen

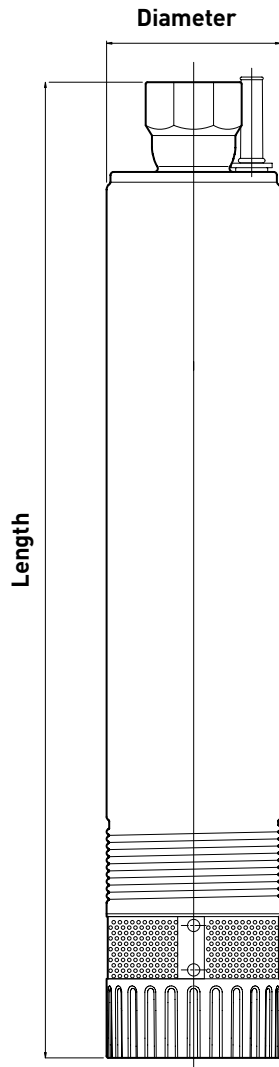
Field-serviceable composite intake screen – allows up to 0.80" solids

ORDERING INFORMATION

Catalog Number	HP	Volts	Phase/Cycles	Amps	Discharge Size	Switch Type	Cord Length	Approx. Wt. Lbs.
10MD05121	1/2	115	1/60	11	1-1/4"	Manual	10'	19
20MD05121	1/2	115	1/60	9.5	1-1/4"	Manual	10'	19
30MD05121	1/2	115	1/60	9.5	1-1/4"	Manual	10'	19

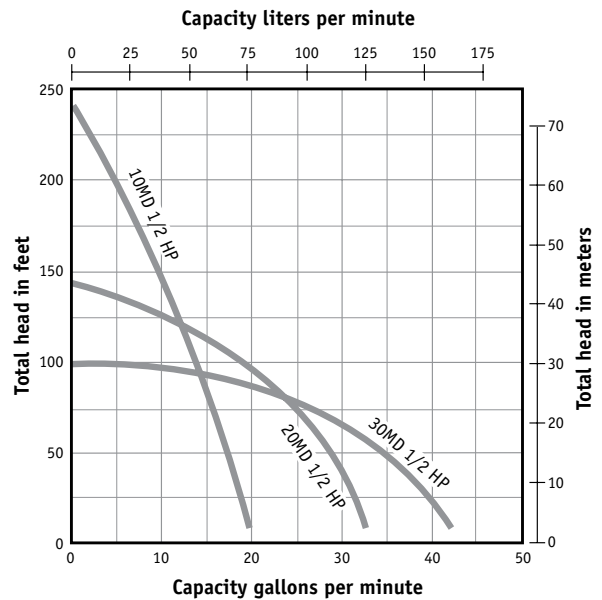
MYERS® MD SERIES

DIMENSIONS



GPM	Length	Diameter
10	21.6" (549 mm)	3.86" (98 mm)
20	20.8" (529 mm)	3.86" (98 mm)
30	20.6" (523 mm)	3.86" (98 mm)

PUMP PERFORMANCE



USA
293 WRIGHT STREET, DELAVAN, WI 53115 WWW.FEMEYERS.COM
PH: 888-987-8677 ORDERS FAX: 800-426-9446

CANADA
269 TRILLIUM DRIVE, KITCHENER, ONTARIO, CANADA N2G 4W5
PH: 519-606-5484 ORDERS FAX: 800-426-9446

Because we are continuously improving our products and services, Pentair reserves the right to change specifications without prior notice.