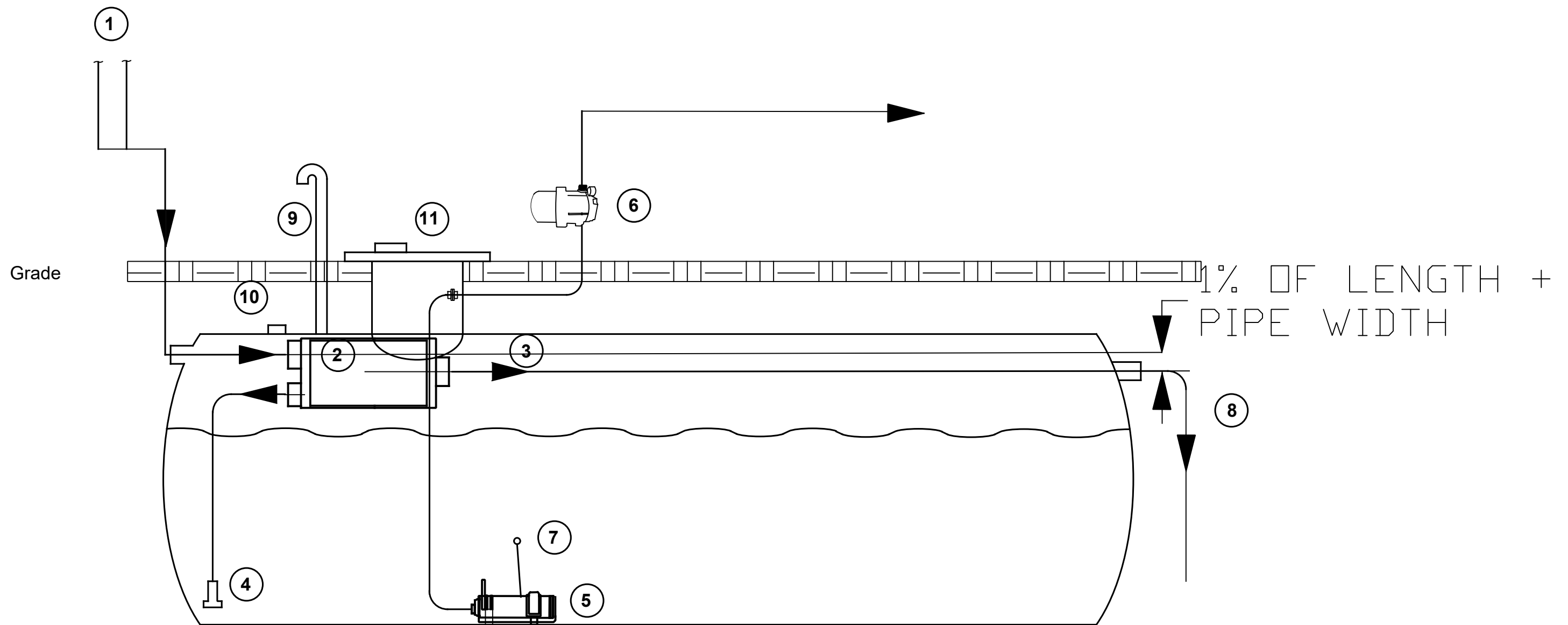




- | | |
|--|--|
| ① Rainwater collection point (roof drains, gutters, etc.) | ⑤ Submersible Pump |
| ② Rainwater enters the jump filter and is processed. (Possible 97% diverted to storage tank.) | ⑥ Electrovar pump controller w/pressure tank |
| ③ Remaining water from prefilter to overflow. | ⑦ Low water cut off float switch |
| ④ Smoothing Inlet - "flow-calming" device to eliminate turbulence of the incoming water as it enters the tank. | ⑧ Pipe overflow to BMP or storm drain |
| | ⑨ Vent (sized as required) |
| | ⑩ Auxillary inlet (sized as required) |
| | ⑪ Manhole |

RAINWATER HARVESTING SYSTEM DETAIL

BELOW-GROUND TANK WITH SUBMERSIBLE PUMP, NO PRESSURE TANK, NO FILTRATION

NOT TO SCALE

INTEWA

INTEWA PRODUCTS

rainwater harvesting filter for tank
installation with unique efficiency –
self-cleaning, patented.

PURAIN



WATER, WE'RE IN OUR ELEMENT

www.intewa.com

We have designed the PURAIN Rainwater filter, sometimes known as the hydraulic jump filter, for roof areas ranging from 60m² to more than 6000m². This filter automatically cleans itself by means of the hydraulic jump. The design model for PURAIN Rainwater filters comes from nature. At almost every course in a stream, you can see how the hydraulic jump functions. The water flows over one of the stones, smooth and rounded by the action of the water over time. At the bottom of the dip, the waterflow changes to a subcritical flow in a process now commonly known as hydraulic jump. This resulting increase in water power is similar to a strong eddy and any impurities are then forced over the next level and washed away downstream. The following types of PURAIN Rainwater filters are designed for a variety of:

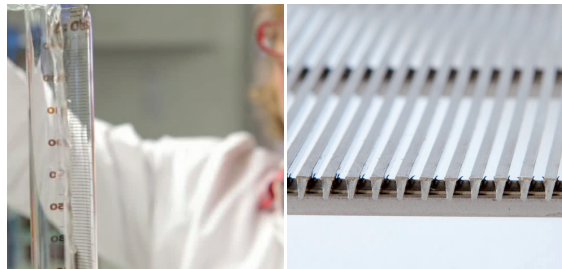
- ▶ **PURAIN PR 100**
for a single family dwelling: including a nonreturn valve, protection against small animals and skimmer overflow
- ▶ **PURAIN PR 100**
for a single family dwelling: including a skimmer overflow
- ▶ **PURAIN PR 150 bis PR 400**
for industrial, public or commercial buildings



INNOVATION

Best water quality

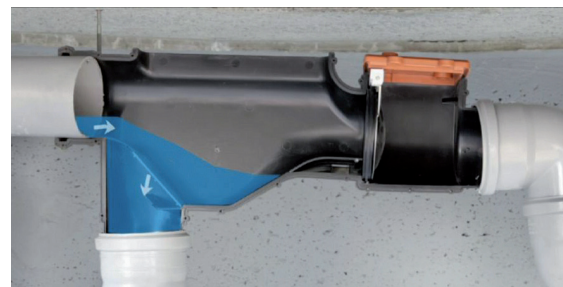
The rainwater filter is designed to filter rainwater coming off roofing. Samples analyzed by us confirm an excellent quality of water. The water is best suited for use in flushing toilets, in the washing machine and for garden irrigation as well as some other commercial applications. Using soft rainwater saves on detergent costs, prevents the calcification of piping and appliances and is the most natural thing you can give your plants.



The sturdy sieve is break-proof and is designed to last the life of the filter. Its trapezoidal shape and diagonally set profile prevents the dirt from settling and clogging it. The water surface in the tank is further cleaned by means of an overflow skimmer integrated into the PURAIN Rainwater filter PR100. The design of PURAIN PR100 features a nonreturn valve of standard size, as stipulated by most regulations. This prevents the overflowing dirty water from flowing back into the system and also stops small animals from entering the tank.

Self-cleans with 98% efficiency

Low rainfall events account for over 97% of total annual rainfall. Therefore, it is particularly important that the filter be designed to collect this light rainfall.



High rainfall events, that occur approx. 4 to 10 times in a year, contribute only about 3% to total water yield and are used by the PURAIN Rainwater filter for self-cleaning. These high rainfalls lead to the formation of an eddy in the PURAIN rainwater filter, the so called hydraulic jump, which spins with such great force that even dirt accumulated in the tray is flushed and discharged with the overflow.



The PURAIN Rainwater filter cleans itself during heavy rainfall events. It means minimum maintenance costs for the user in comparison to other filter systems. An overall rainwater filtering efficiency of 98% is achieved with the unique, self-cleaning PURAIN Rainwater filter.



TECHNOLOGY

Easy to assemble, install and maintain

This filter requires extremely low maintenance in comparison to other self-cleaning rainwater filters due to the self-cleaning by means of hydraulic jump design as well as the sturdy construction of the wedge wire sieve. If water is accumulating in the try area, the sieve can be cleaned manually within a few seconds with a high pressure cleaner. This is done simply through entry via the tank lid. We recommend the use of a PR-100-RSDS backflushing nozzle for filters installed in hard to reach tanks.



Now, flushing can be done manually using a hand valve or automatically using a timer controlled valve.



Rainwater harvesting with system

The best place to install a rainwater filter is in the tank. Now there is no need for separate downpipe filters or separate filtration tanks. The PURAIN Rainwater filter itself can be directly used as an overflow and all roofing downpipes can be connected to one single filter. A lot of tank manufacturers and dealers are already providing PURAIN rainwater filters built into their tanks. Due to its low height offset and its size the PURAIN rainwater filter can be retrofitted easily into most tanks.

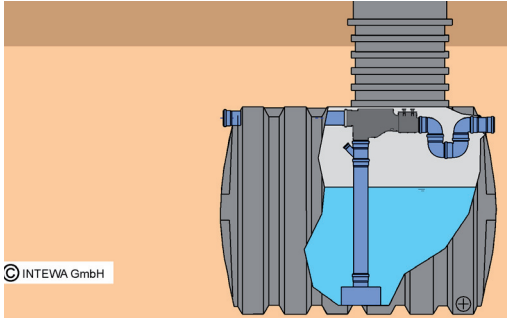


TECHNOLOGY

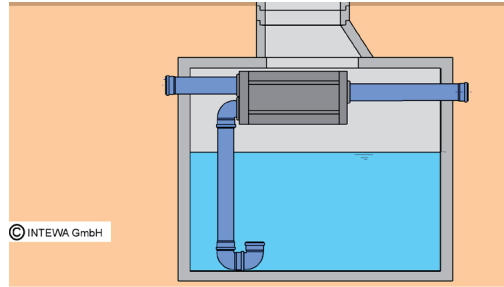
Sample installations:

To follow are a few examples of the PURAIN rainwater filter integrated into various tanks:

- ▶ **PURAIN rainwater harvesting filter PR100 for single family dwelling in plastic tank**



- ▶ **PURAIN rainwater harvesting filter PR150 for industrial, public or commercial buildings in concrete tank**



PURAIN

References



In 2001, the self-cleaning PURAIN rainwater filter patented by INTEWA was launched. Since that time, more than 20,000 units have been installed. The PURAIN Rainwater filter, originally named the hydraulic jump filter, on the basis of its cleaning principle, is now well known all round the world as the leader in rainwater filtering technology.

Your Chandler:

www.intewa.com

INTEWA
INTEWA

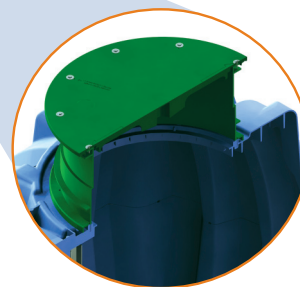
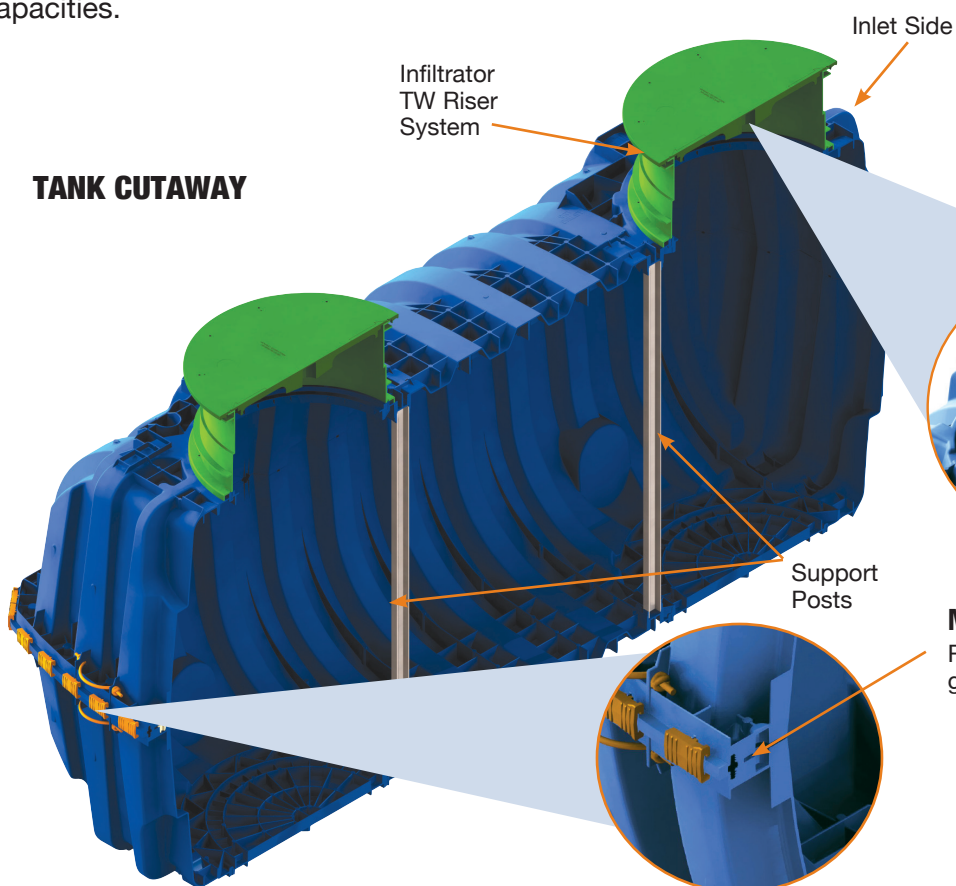


The Infiltrator IM-Series Potable water tanks are lightweight, strong and durable. These potable, watertight tank designs are offered with Infiltrator's potable heavy-duty lids. Infiltrator injection-molded tanks provide a revolutionary improvement in plastic tank design, offering long-term exceptional strength and watertightness. Infiltrator's IM-Series Potable water tanks are available in 552-gallon, 1287-gallon and 1787-gallon capacities.

Features & Benefits

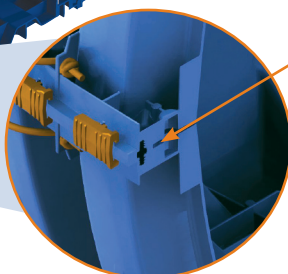
- Strong injection-molded polypropylene construction
- NSF/ANSI-61-certified for potable uses
- Lightweight plastic construction and inboard lifting lugs allow for easy delivery and handling
- Integral heavy-duty green lids that interconnect with TW™ risers and pipe riser solutions
- Structurally reinforced access ports eliminate distortion during installation and pump-outs
- Reinforced structural ribbing and fiberglass bulkheads offer additional strength
- Can be installed with 6" to 48" of cover
- Can be pumped dry
- Suitable for use as a potable pump tank, rainwater harvesting tank or water storage tank
- No special installation, backfill or water filling procedures are required
- Available in 552-gallon, 1287-gallon and 1787-gallon capacities

TANK CUTAWAY



HEAVY DUTY LID CUTAWAY

Reinforced 24" structural access port



MID-SEAM CUTAWAY

Reinforced water tight mid-seam gasketed connection

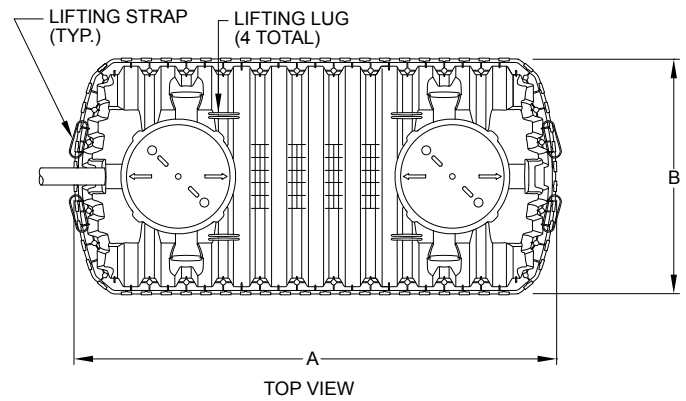
IM-Series Potable Water Tanks

General Specifications and Illustrations

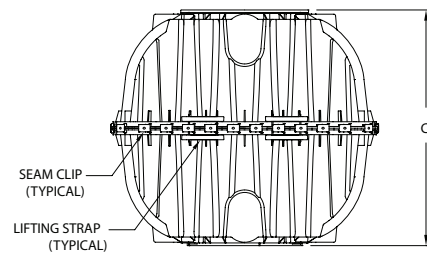
The IM-Series Potable water tanks are injection-molded, two piece, mid-seam plastic tanks. The injection-molded plastic design allows for a mid-seam joint that has precise dimensions for accepting an engineered EPDM gasket. Infiltrator's gasket design utilizes technology from the water industry to deliver proven means of maintaining a watertight seal. The two-piece design is permanently fastened using a series of non-corrosive plastic alignment dowels and locking seam clips. The IM-Series Potable water tanks are assembled and sold through a network of certified Infiltrator distributors and are NSF/ASNI-61-certified for potable uses.

IM-Potable Water Tank Series

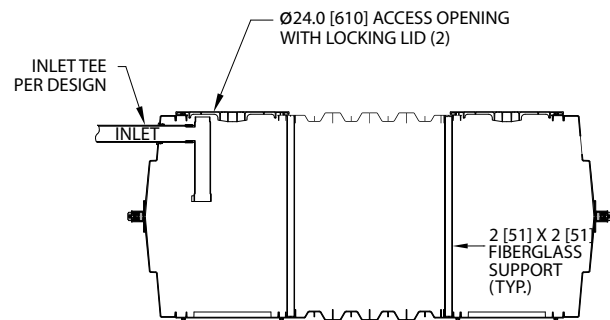
Parameter		IM-550C	IM-1280C	IM-1760C
Total Capacity	gal	552	1287	1787
Length (A)	in	65	127	176
Width (B)	in	62	62	62
Height (C)	in	55	55	55
Fiberglass Supports	-	0	2	4
Max Burial Depth	in	48	48	48
Minimum Burial Depth	in	6	6	6
Maximum Pipe Diameter	in	4	6	4
Weight	lb	191	346	501



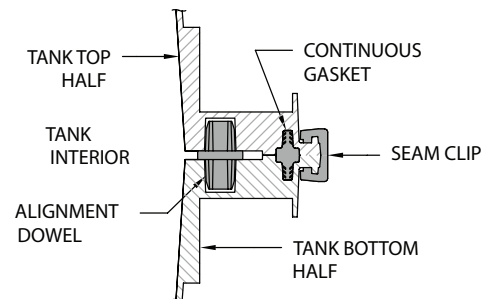
TOP VIEW



END VIEW



SIDE VIEW



MID-HEIGHT SEAM SECTION



4 Business Park Road
P.O. Box 768
Old Saybrook, CT 06475
860-577-7000 • Fax 860-577-7001
1-800-221-4436
www.infiltratorsystems.com

U.S. Patents: 4,759,661; 5,017,041; 5,156,488; 5,336,017; 5,401,116; 5,401,459; 5,511,903; 5,716,163; 5,588,778; 5,839,844 Canadian Patents: 1,329,959; 2,004,564 Other patents pending. Infiltrator, Equalizer, Quick4, and SideWinder are registered trademarks of Infiltrator Systems, Inc. Infiltrator is a registered trademark in France. Infiltrator Systems, Inc. is a registered trademark in Mexico. Contour, MicroLeaching, PolyTuff, ChamberSpacer, MultiPort, PosiLock, QuickCut, QuickPlay, SnapLock and StraightLock are trademarks of Infiltrator Systems, Inc. PolyLok is a trademark of PolyLok, Inc. TUF-TITE is a registered trademark of TUF-TITE, INC. Ultra-Rib is a trademark of IPEX Inc.

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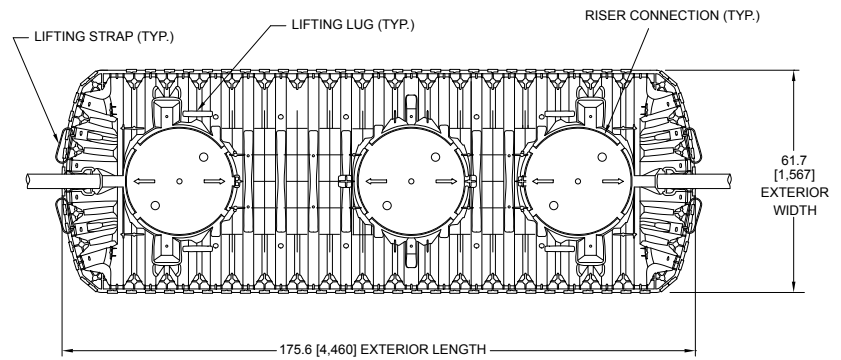
IM23 0214

Contact Infiltrator Systems' Technical Services Department for assistance at 1-800-221-4436

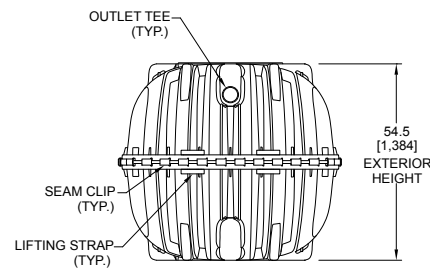
IM-1530 General Specifications and Illustrations

The IM-1530 is an injection molded two piece mid-seam plastic tank. The IM-1530 injection molded plastic design allows for a mid-seam joint that has precise dimensions for accepting an engineered EPDM gasket. Infiltrator's gasket design utilizes technology from the water industry to deliver proven means of maintaining a watertight seal.

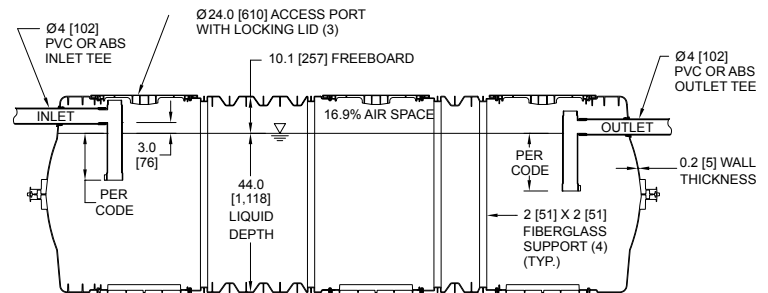
The two-piece design is permanently fastened using a series of non-corrosive plastic alignment dowels and locking seam clips. The IM-1530 is assembled and sold through a network of certified Infiltrator distributors.



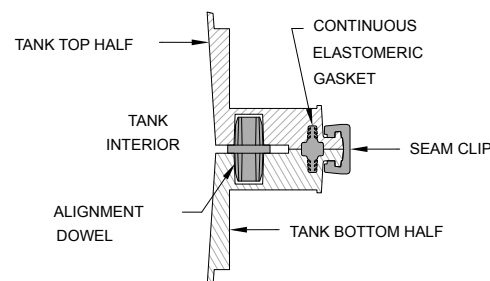
TOP VIEW



END VIEW



SIDE VIEW



MID-HEIGHT SEAM SECTION



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P.O. Box 768
Old Saybrook, CT 06475
860-577-7000 • Fax 860-577-7001
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U.S. Patents: 4,759,661; 5,017,041; 5,156,488; 5,336,017; 5,401,116; 5,401,459; 5,511,903; 5,716,163; 5,588,778; 5,839,844 Canadian Patents: 1,329,959; 2,004,564 Other patents pending. Infiltrator, Equalizer, Quick4, and SideWinder are registered trademarks of Infiltrator Systems, Inc. Infiltrator is a registered trademark in France. Infiltrator Systems, Inc. is a registered trademark in Mexico. Contour, MicroLeaching, PolyTuff, ChamberSpacer, MultiPort, PosiLock, QuickCut, QuickPlay, SnapLock and StraightLock are trademarks of Infiltrator Systems, Inc. PolyLok is a trademark of PolyLok, Inc. TUF-TITE is a registered trademark of TUF-TITE, INC. Ultra-Rib is a trademark of IPEX Inc.

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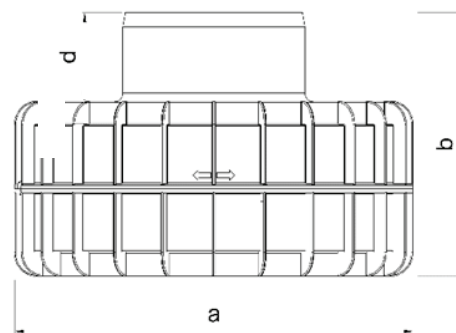
IM21 0214

Contact Infiltrator Systems' Technical Services Department for assistance at 1-800-221-4436

Image & Specs.



Image of Filter



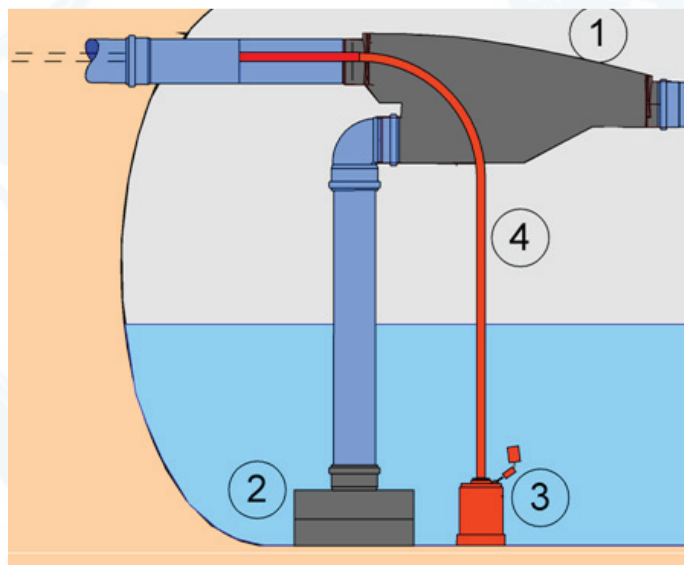
Specification Drawing

13.7"
8.3"
2.8"
injection = 6"

Description

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).

Diagram



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



PURAIN DN 150 - S

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.

Multi-stage submersible pumps

-  Clean water
(Maximum sand content 150 g/m³)
-  Domestic use
-  Civil use
-  Agricultural use



PERFORMANCE RANGE

- Flow rate up to **210 l/min** (12.6 m³/h)
- Head up to **94 m**

APPLICATION LIMITS

- Maximum liquid temperature **+40 °C**
- Maximum sand content **150 g/m³**
- **20 m** maximum immersion depth (with a sufficiently long power cable)
- Vertical and horizontal installation
- Continuous service **S1**

CONSTRUCTION AND SAFETY STANDARDS

- **20 m** long power cable
- Float switch for single-phase versions

EN 60335-1
IEC 60335-1
CEI 61-150

EN 60034-1
IEC 60034-1
CEI 2-3



PATENTS - TRADE MARKS - MODELS

- Patent Pending n. PCT/IB2014/063126
- Patent Pending n. BO2015A000116
- Patent n. EP09781276.2

CERTIFICATIONS

Company with management system certified DNV
ISO 9001: QUALITY
ISO 14001: ENVIRONMENT

INSTALLATION AND USE

A new concept range of submersible multi-stage pumps designed guarantee even greater reliability, thanks to patented innovative technical solutions which prevent blockage of the pumps even after prolonged periods of inactivity.

Because of their high efficiency and reliability they are suitable for use with clean water in domestic, civil and agricultural applications such as the distribution of water in combination with pressure tanks, for the irrigation of gardens and orchards and for pressure boosting, etc.

OPTIONS AVAILABLE ON REQUEST

- Pumps without float switch
- Pumps fitted with power cables of other lengths
- Other voltages
- **Support kit for horizontal operation**

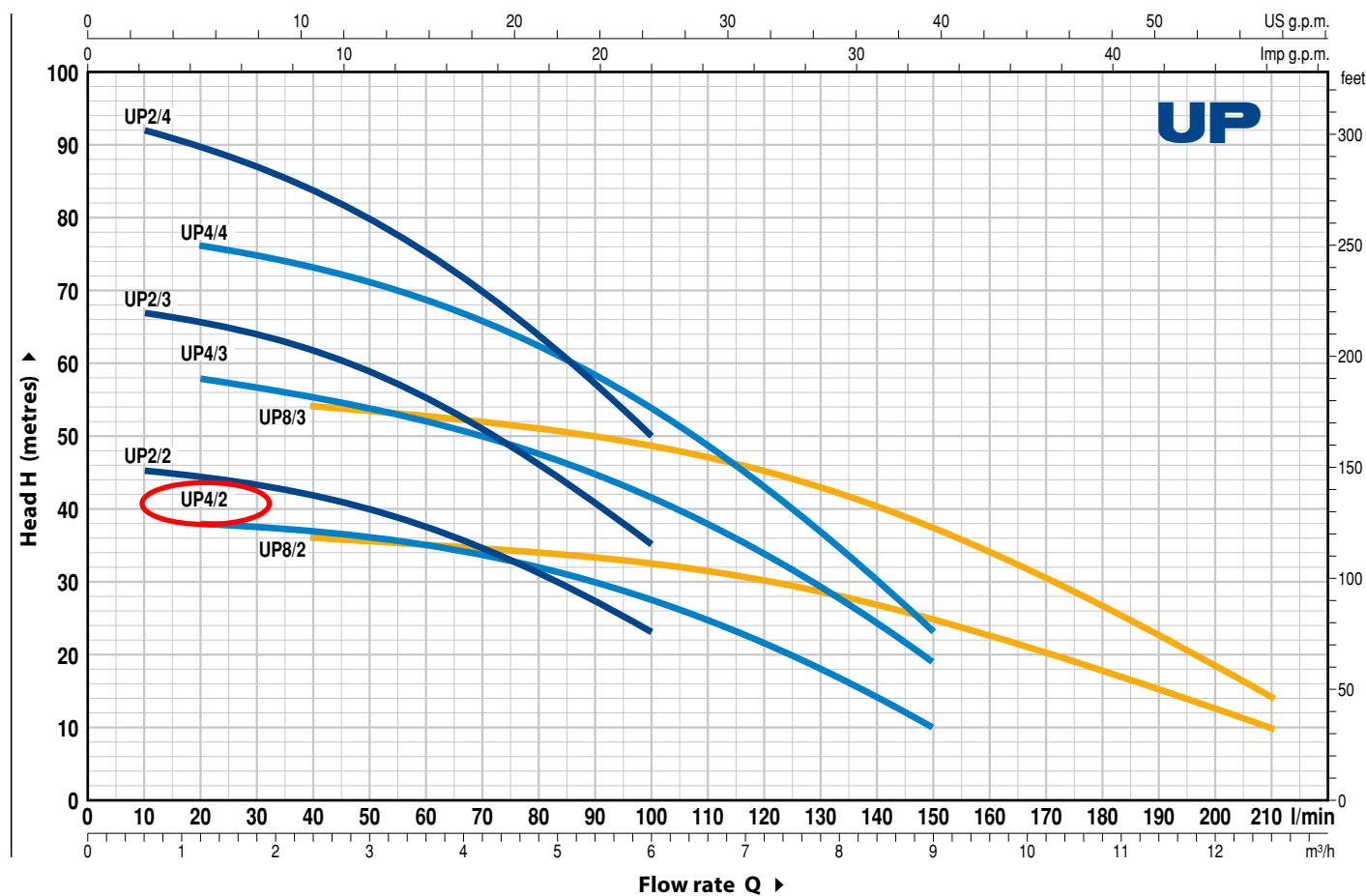


GUARANTEE

2 years subject to terms and conditions

CHARACTERISTIC CURVES AND PERFORMANCE DATA

60 Hz n = 3450 rpm



MODEL		POWER (P ₂)		Q m ³ /h l/min	0	0.6	1.2	2.4	3.6	4.8	6.0	7.2	9.0	10.2	11.4	12.6
Single-phase	Three-phase	kW	HP		0	10	20	40	60	80	100	120	150	170	190	210
UPm 2/2-GE	UP 2/2	0.75	1	H metres	46	45	44	42	37	31	23					
UPm 2/3-GE	UP 2/3	1.1	1.5		68	67	66	62	55	46	35					
UPm 2/4-GE	UP 2/4	1.5	2		94	92	90	84	75	64	50					
UPm 4/2-GE	UP 4/2	0.75	1		40	–	38	37	35	32	27	22	10			
UPm 4/3-GE	UP 4/3	1.1	1.5		60	–	58	55	52	47	41.5	34	19			
UPm 4/4-GE	UP 4/4	1.5	2		78	–	76	73	69	62	54	43	23			
UPm 8/2-GE	UP 8/2	1.1	1.5		37	–	–	36	35	34	32	30	25	20	15	10
UPm 8/3-GE	UP 8/3	1.5	2		56	–	–	54	53	51	49	45	37	31	23	14

Q = Flow rate H = Total manometric head

Tolerance of characteristic curves in compliance with EN ISO 9906 Grade 3B.

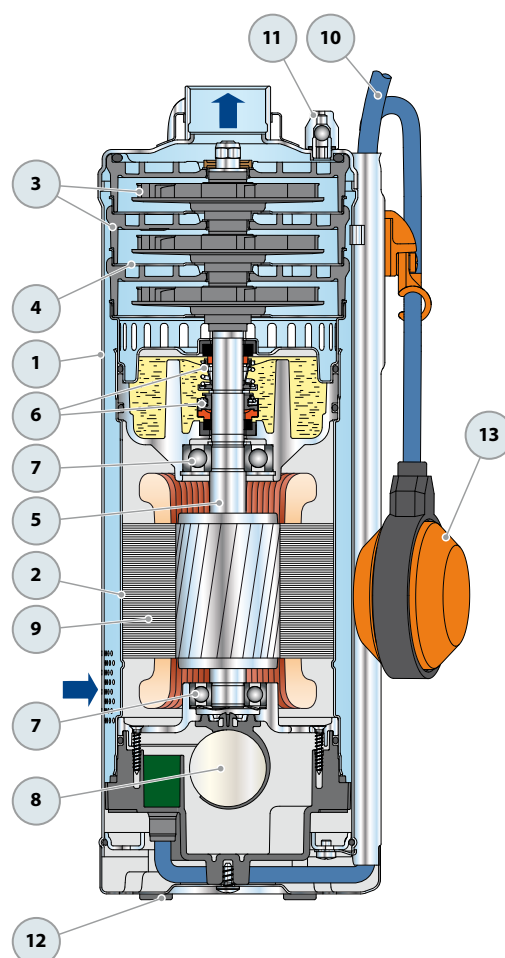
➡ Single-phase pumps without float switch on request

POS. COMPONENT

CONSTRUCTION CHARACTERISTICS

1	EXTERNAL SLEEVE	Stainless steel AISI 304 complete with threaded delivery port in compliance with ISO 228/1				
2	MOTOR SLEEVE	Stainless steel AISI 304				
3	IMPELLERS AND DIFFUSERS	Noryl FE1520PW				
4	DIAPHRAGMS	Stainless steel AISI 304				
5	MOTOR SHAFT	Stainless steel EN 10088-3 - 1.4104				
6	TWO MECHANICAL SEALS SEPARATED BY AN OIL CHAMBER					
	Seal	Shaft	Position	Materials		
	Model	Diameter		Stationary ring	Rotational ring	Elastomer
	STA-17	Ø 17 mm	Motor side	Ceramic	Graphite	NBR
	ST1-16	Ø 16 mm	Pump side	Silicon carbide	Graphite	NBR
7	BEARINGS	6303 2RS - C3 / 6203 ZZ - C3E				
8	CAPACITOR					
	Pump	Capacitance				
	Single-phase	(220 V)				
	UPm 2/2-GE	16 µF - 500 VL				
	UPm 4/2-GE					
	UPm 2/3-GE	25 µF - 450 VL				
	UPm 4/3-GE					
	UPm 8/2-GE	35 µF - 450 VL				
	UPm 2/4-GE					
	UPm 4/4-GE					
	UPm 8/3-GE					
9	ELECTRIC MOTOR					
	UPm: single-phase 220 V - 60 Hz with thermal overload protector incorporated into the winding.					
	UP: three-phase 380 V - 60 Hz					
	– Insulation: class F					
	– Protection: IP X8					
10	POWER CABLE					
	⇒ DRINCABLE® type approved for use in drinking water by “WRAS” in compliance with BS 6920, approval n. 7513 Standard length 20 metres					
11	AUTOMATIC VENT VALVE					
12	ANTI-VIBRATION SUPPORTS					
13	FLOAT SWITCH (only for single-phase versions)					

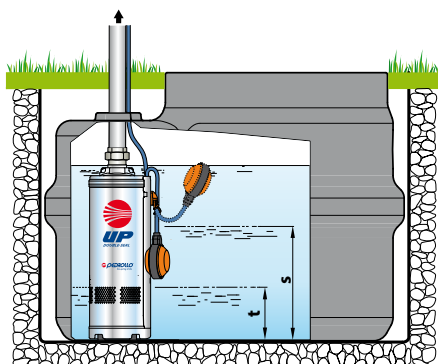
The diagram is a vertical cross-section of a pump assembly. At the top, a blue arrow points upwards from a delivery port (11). Below this is a series of four horizontal diaphragms (4) supported by vertical shafts (5). The shafts are connected to a central motor shaft (5) which passes through two mechanical seals (6) separated by an oil chamber. The motor shaft is supported by bearings (7) and is connected to a motor (9). The motor is housed in a stainless steel sleeve (2) with an external sleeve (1). A power cable (10) is connected to the motor. At the bottom, a float switch (13) is attached to the motor shaft. The entire assembly is supported by anti-vibration supports (12).



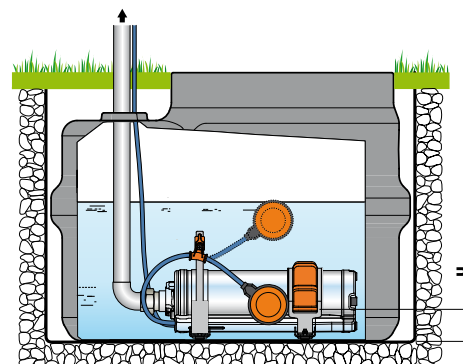
DIMENSIONS AND WEIGHT



Vertical installation



Horizontal installation



3" minimum submergence!

MODEL		PORT DN	N. STAGES	DIMENSIONS mm		kg	
Single-phase	Three-phase			Ø	h	1~	3~
UPm 2/2-GE	UP 2/2	1½"	2	150	398	13.7	13.5
UPm 2/3-GE	UP 2/3		3		455	16.5	15.7
UPm 2/4-GE	UP 2/4		4		502	18.7	17.7
UPm 4/2-GE	UP 4/2		2		398	13.7	13.5
UPm 4/3-GE	UP 4/3		3		455	16.5	15.7
UPm 4/4-GE	UP 4/4		4		502	18.7	17.7
UPm 8/2-GE	UP 8/2		2		428	15.0	14.2
UPm 8/3-GE	UP 8/3		3		475	17.3	16.3

MODEL	LEVELS mm		
	s	t	u
UP 2/2 UP 4/2	320	135	55
UP 2/3 UP 4/3 UP 8/2	350		
UP 2/4 UP 4/4 UP 8/3	370		

s = Minimum restarting level
t = Emptying level
u = Minimum operational level

ABSORPTION

MODEL	VOLTAGE
Single-phase	220 V
UPm 2/2-GE	5.8 A
UPm 2/3-GE	8.0 A
UPm 2/4-GE	10.0 A
UPm 4/2-GE	5.8 A
UPm 4/3-GE	7.7 A
UPm 4/4-GE	10.0 A
UPm 8/2-GE	8.0 A
UPm 8/3-GE	10.0 A

MODEL	VOLTAGE	
	220 V	380 V
Three-phase		
UP 2/2	3.8 A	2.2 A
UP 2/3	5.3 A	3.1 A
UP 2/4	6.0 A	3.5 A
UP 4/2	3.8 A	2.2 A
UP 4/3	5.3 A	3.1 A
UP 4/4	6.0 A	3.5 A
UP 8/2	5.3 A	3.1 A
UP 8/3	6.0 A	3.5 A

PALLETIZATION

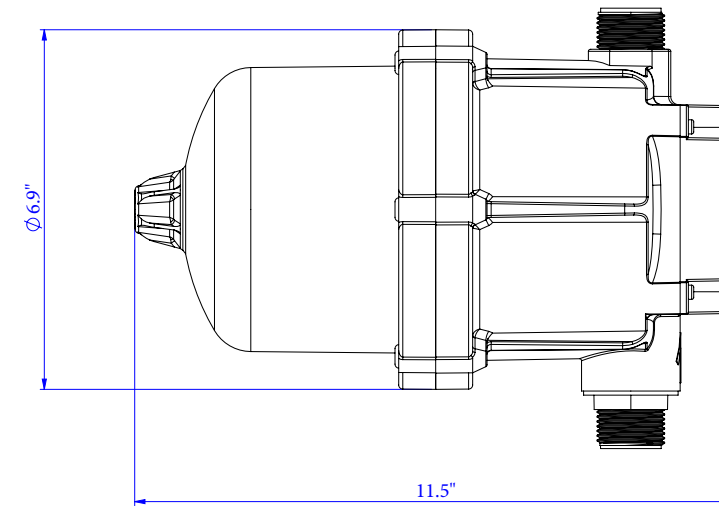
MODEL		GROUPAGE n. pumps	CONTAINER n. pumps
Single-phase	Three-phase		
UPm 2/2-GE	UP 2/2	30	54
UPm 2/3-GE	UP 2/3	30	54
UPm 2/4-GE	UP 2/4	25	45
UPm 4/2-GE	UP 4/2	30	54
UPm 4/3-GE	UP 4/3	30	54
UPm 4/4-GE	UP 4/4	25	45
UPm 8/2-GE	UP 8/2	30	54
UPm 8/3-GE	UP 8/3	30	54

ELECTROVAREM

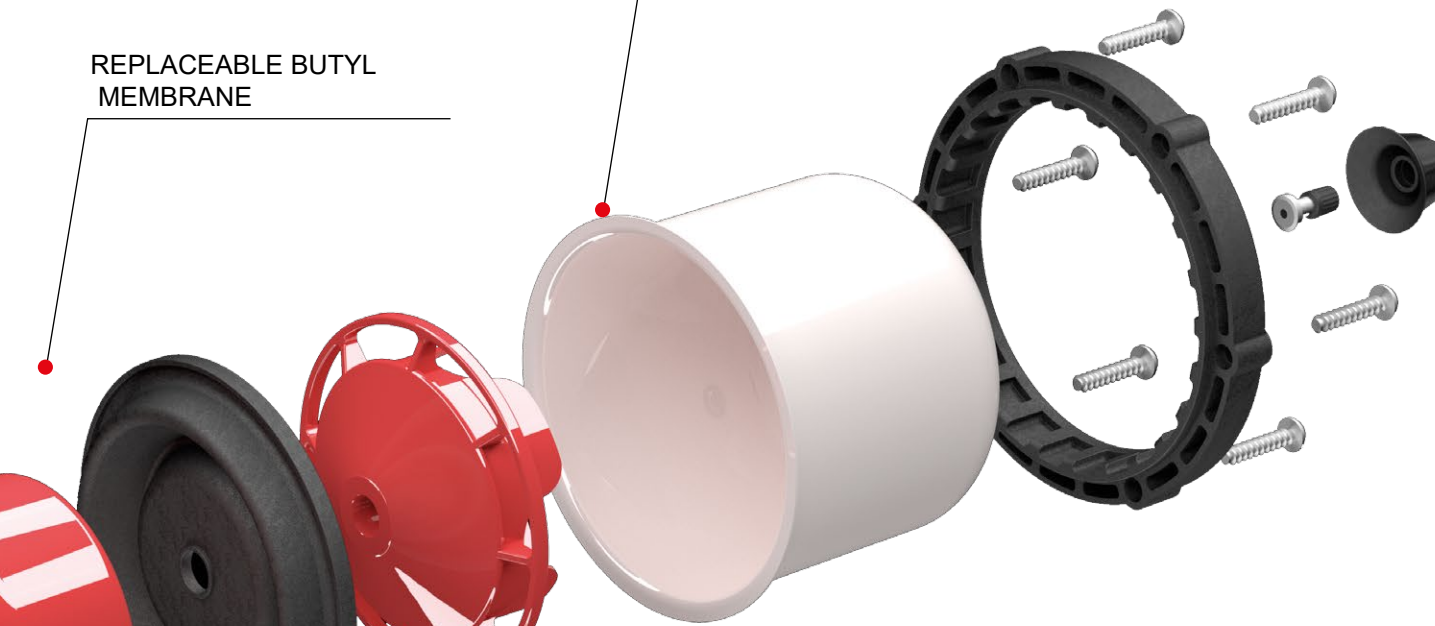
ELECTRONIC PUMP CONTROLLER WITH INTEGRAL PRESSURE TANK



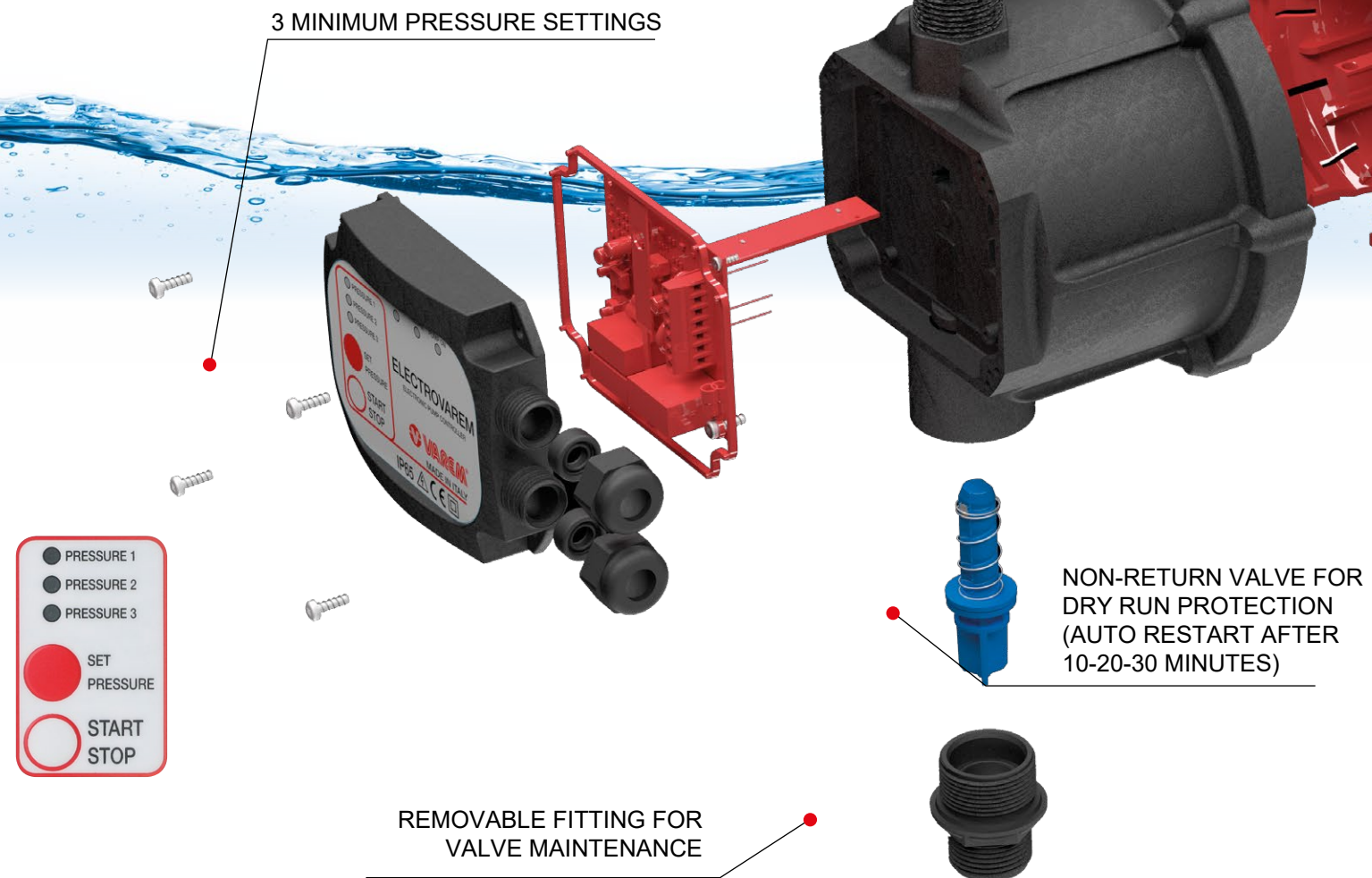
- 1 BUILT-IN PRESSURE TANK
- 2 BUILT-IN PRESSURE REGULATOR
- 4 BUILT-IN CHECK VALVE
- 5 START ON FLOW + LOW PRESSURE
- 6 STOP ON NO FLOW + PRESSURE
- 7 PUMP PROTECTION from dry running,
frequent on/off, water hammer,
lightning, and power surges

[illegible]

3 LITER/0.8 GALLON
PRESSURE TANK

REPLACEABLE BUTYL
MEMBRANE

3 MINIMUM PRESSURE SETTINGS



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

REMOVABLE FITTING FOR VALVE MAINTENANCE

Standard application

Electronic Pump Controller

+
Pump

Solution with Electrovarem

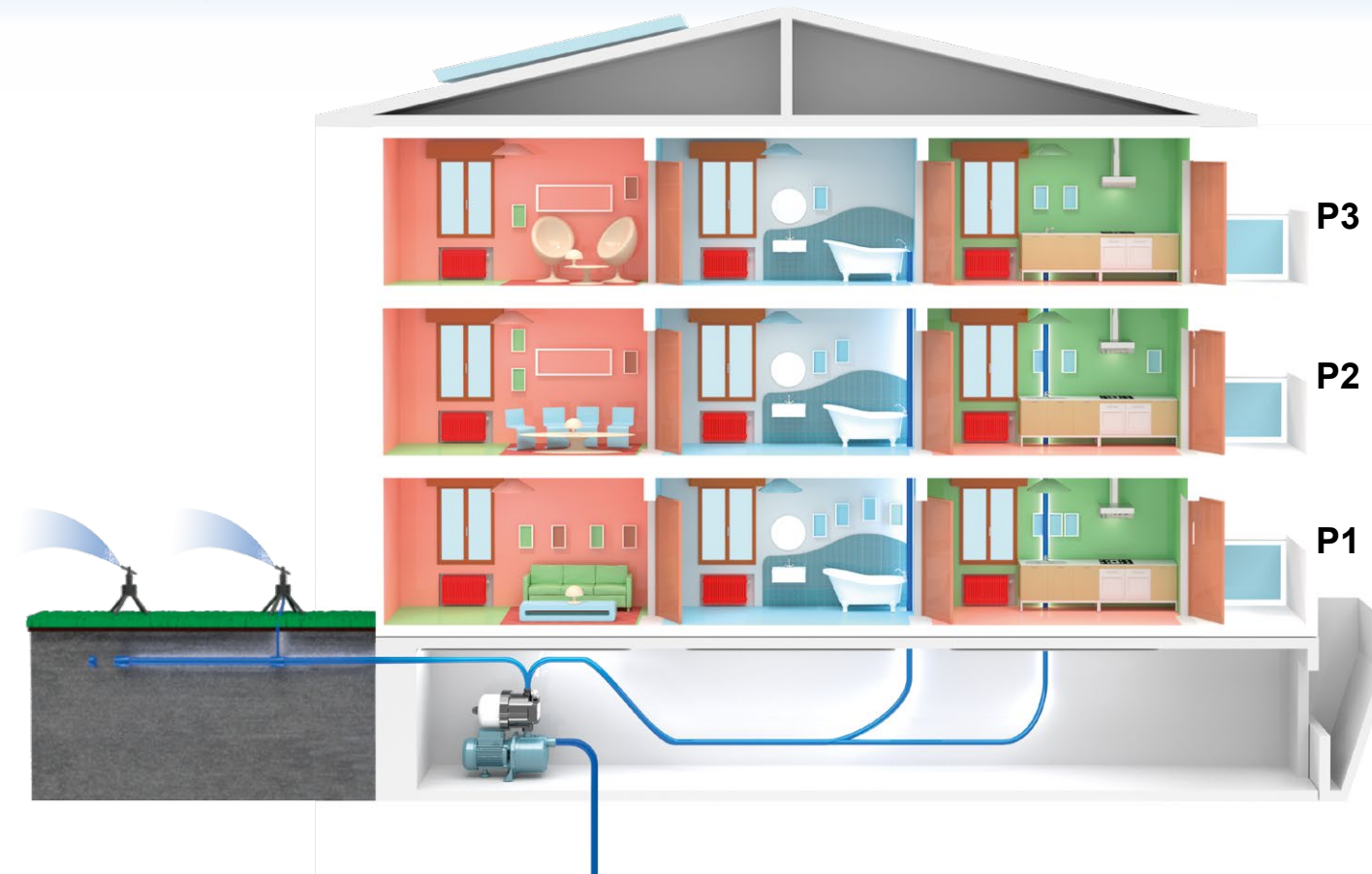
Electrovarem

+

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

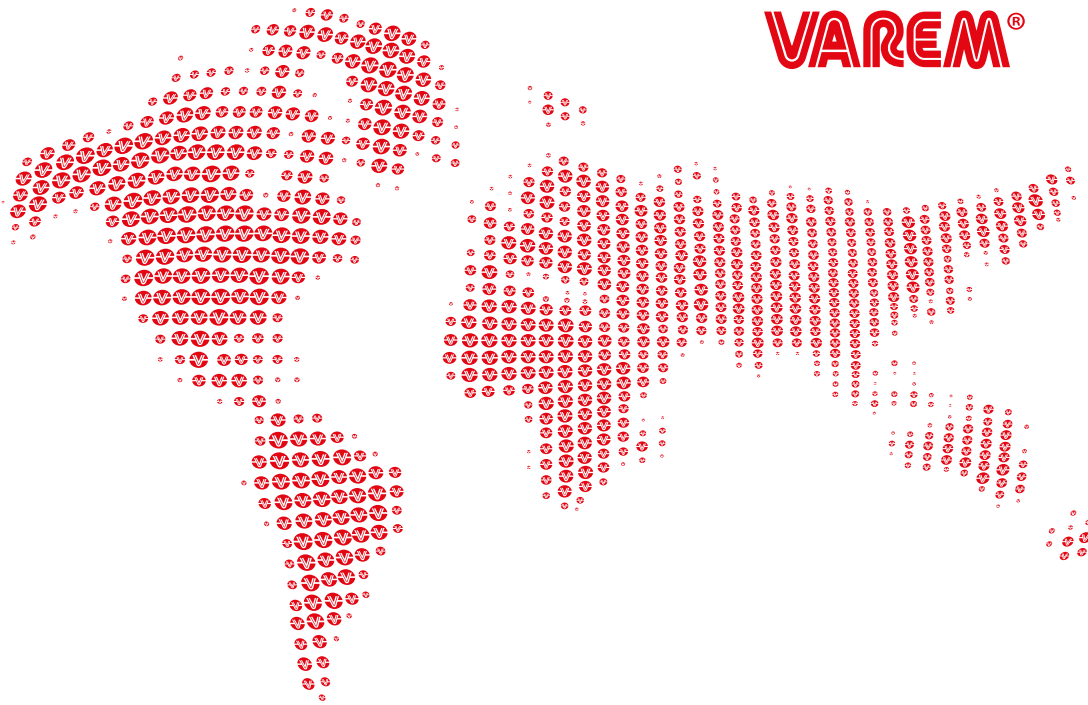


PLUS



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

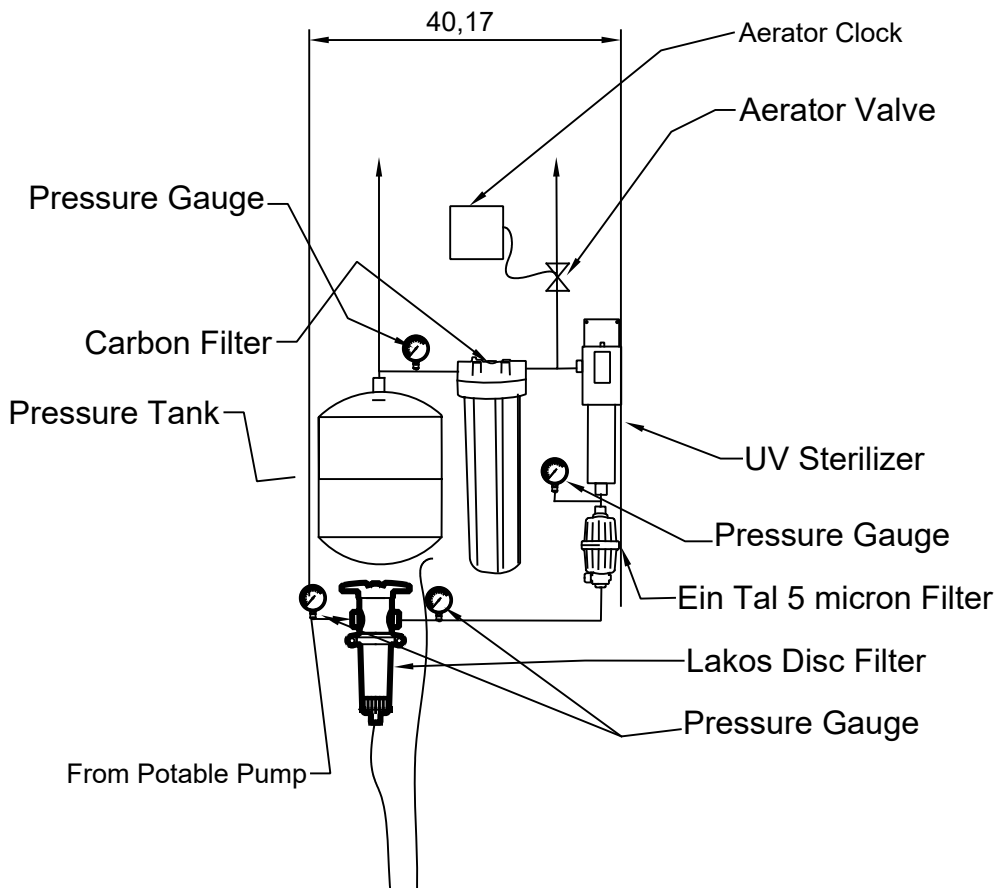
via Sabbioni 2, I-35024 Bovolenta (PD) - Italy
45° 16' 02.49" N, 11° 55' 51.49" E

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





Sediment Filtration



For All Size Systems

Rusco's complete line of SpinDown™ Sediment and Sediment Trapper™ Model Filters make solid particle removal simple and economical.

- Centrifuge Spin-Down type sediment separation
- Clear cover easily removed for total cleaning (no tools required*)
- Sediment is visible through cover
- Reusable elements with polyester and stainless steel screens are available in various mesh sizes
- Flow capacity for entire system
- All molded non-corrosive materials
- Available in 4 sizes: 3/4" MPT, 1", 1-1/2" and 2" slip x slip connections in and out (optional bushings are available for 1", 1-1/2" and 2" FPT connections)
- High performance models available for chemical applications;
- 3/4", 1-1/4" and 1-1/2" models available for hot water applications to 200°F (93°C)

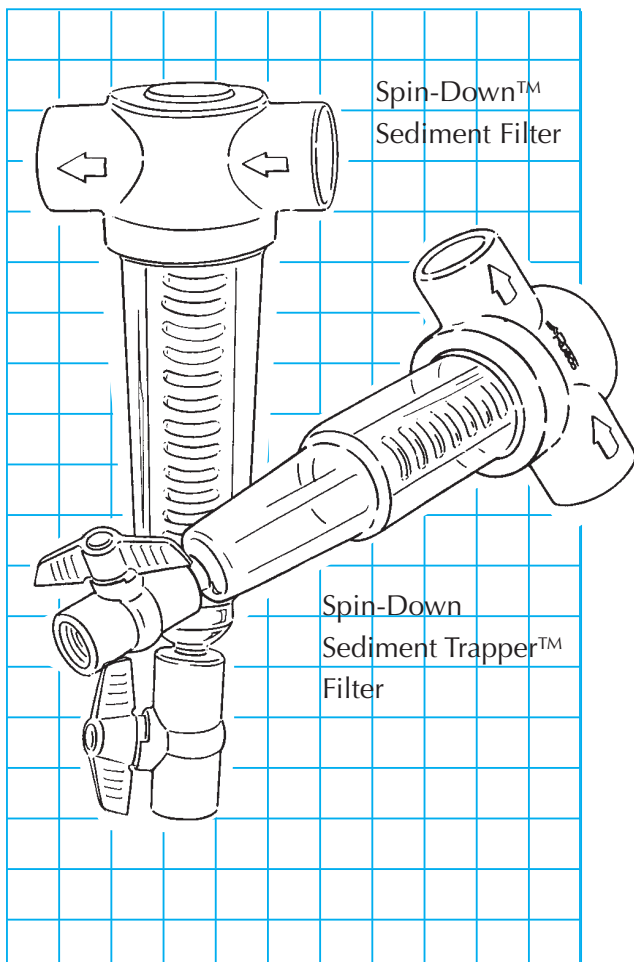
*USING TOOLS VOIDS WARRANTY



The standard for quality, efficiency and value since 1977

Proudly manufactured in the USA

Patent Pending



Ordering Information

Spin-Down™ model filters are ordered by size # and mesh size. When ordering stainless steel element, add SS to part number.

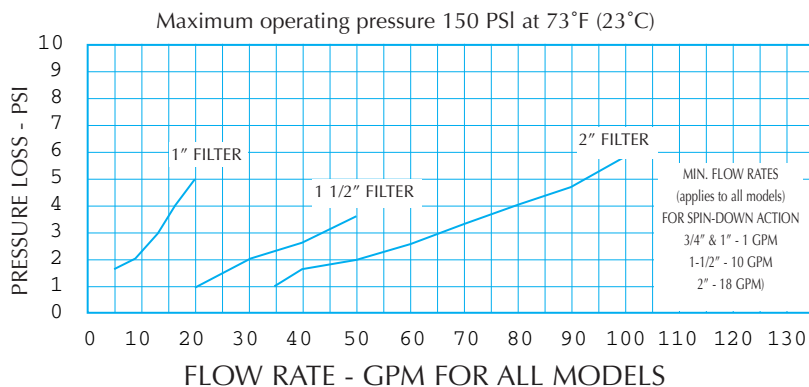
Example:

3/4-100SS-F is a 3/4" Filter with a 100 mesh stainless steel element screen and flush valve.

When ordering a Sediment Trapper™ model filter use size #, mesh size, ST designation, and if stainless steel element screen is desired, add SS.

Example:

1-100STSS-F is a 1" Filter Sediment Trapper™ with a 100 mesh stainless steel element screen and flush valve.



Case Quantities:

All Models - 10 per Case

All filters are individually boxed to prevent loss or damage.

WARRANTY & DISCLAIMER

RUSCO, Inc. warrants, to the original purchaser, that its products will be free from original defects in material and workmanship. RUSCO, Inc. will repair or replace all parts without charge, found to be defective under normal use and service within the warranty period upon return of products at customer's expense.

The components of all RUSCO products are warranted for a period of 12 months from date of original sale. RUSCO's liability is solely limited to the original cost of the part. RUSCO will not be responsible for incidental or consequential damages. No agent or representative has the authority to waive or alter this printed warranty. THIS WARRANTY IS EXCLUSIVE AND IS IN LIEU OF ALL OTHER WARRANTIES EXPRESSED OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY AND WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE.

RUSCO reserves the right to redesign or modify its products without incurring further liability. Prices are subject to change at any time without notice.

USE OF TOOLS WILL VOID WARRANTY – HAND TIGHTEN ONLY.



The standard for quality, efficiency and value since 1977

Proudly manufactured in the USA

13360 Chambord Street • Brooksville, Florida 34613
1 (800) 345-1033 • (352) 597-2522 • Fax: (800) 918-7049
www.rusco.com



SPIN-DOWN™ Sediment Filters

- Clear Cover is easily removed for total cleaning (No tools required*)
- Flow capacity for entire system
- Sediment is visible through the clear cover indicating when the filter needs cleaning
- Sediment is quickly and easily removed by opening the ball valve at the bottom of the filter cover
- **Reusable polyester and stainless steel element screens in many mesh sizes**
- No down time

*Using tools voids warranty

Filter Elements

Polyester and stainless steel element screens are available in many mesh sizes to meet your requirements.

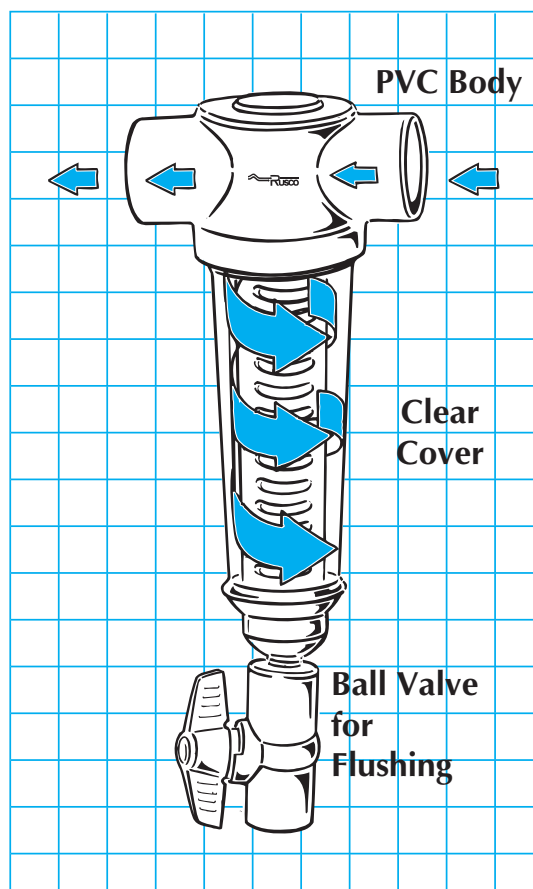
Covers*

Rusco™ Sediment Filter covers are made of high impact polymer resin for maximum strength and durability. 1/2" MPT nipple on bottom of cover for connection of plastic ball valve for easy cleaning.

Body

Rusco™ SPIN-DOWN™ Sediment Filter bodies are PVC material in 3/4" MPT, 1", 1-1/2" and 2" slip x slip connections in and out. Bushings are available to convert 1", 1-1/2" and 2" slip by slip connections to female pipe thread.

* High performance covers available for use in chemical applications. Please refer to our chemical application chart for suitability.



Filter Dimensions

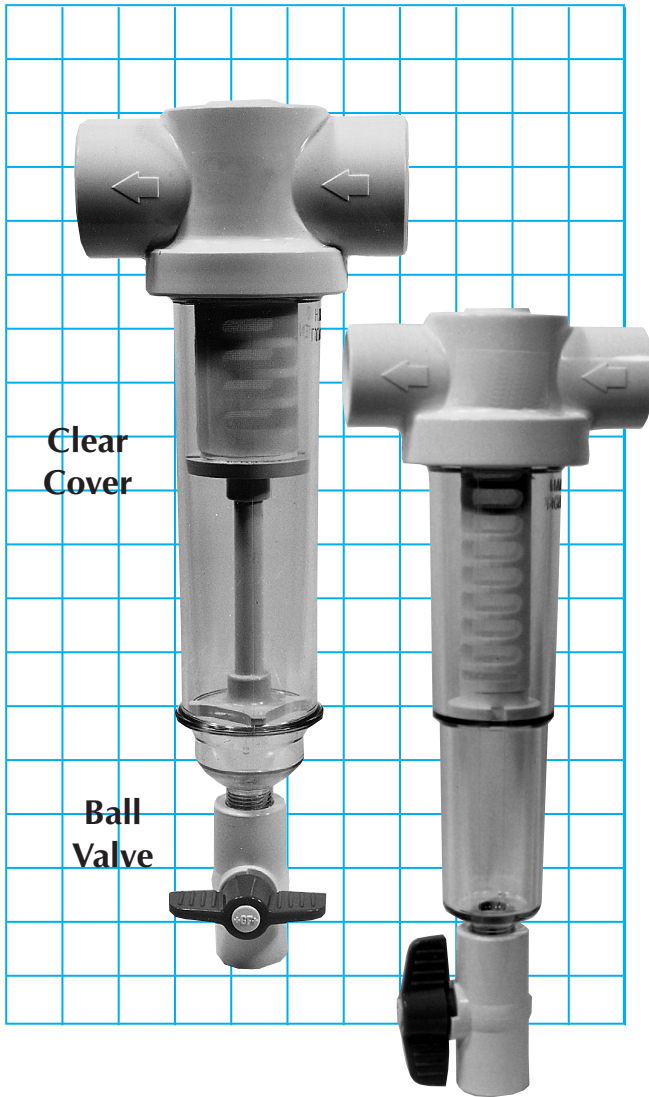
Size	3/4"	1"	1-1/2"	2"
*Length	11-3/8"	11-3/8"	15-3/8"	17-7/8"
Width	7-1/4 "	5"	5-1/4"	5-1/2"

*With ball valve attached.

Element Screen Sizes • Polyester

Mesh	Microns	Opening	
24	711	.028"	
■ 30	533	.021"	
40	381	.015"	
■ 60	254	.010"	
■ 100	152	.006"	Stage 1
■ 140	104	.004"	
250	61	.0024"	
500	30	.0012"	
1000	15	.0006"	Stage 2

■ Also available in Stainless Steel



Filter Element

The unique design of the sediment trapper™ element allows debris to settle in the bottom of the clear cover, trapping sediment away from the screen. The new 1-1/2" and 2" model elements make it easy to convert a standard spin-down™ filter to a Sediment Trapper™ by simply replacing the elements which are available with either polyester or stainless steel screens to suit your needs and can be ordered in various mesh sizes.



13360 Chambord Street
 Brooksville, Florida 34613
 (800) 345-1033 • (352) 597-2522 • Fax: (800) 918-7049 • www.rusco.com

SPIN-DOWN™ Sediment Trapper™ Filters

- Unique element design traps sediment in lower reservoir of clear cover
- Clear bowl easily removed for total cleaning (No tools required*)
- Flow capacity for entire system
- Sediment is visible through the clear cover indicating when the filter needs cleaning
- No down time
- Ball valve allows for quick sediment removal from bottom of cover
- Centrifuge Spin-Down type sediment separation
- Reusable polyester and stainless steel element screen available in many mesh sizes from very fine to very coarse

*Using tools voids warranty

Filter Dimensions

Size	3/4"	1"	1-1/2"	2"
*Length	14-3/8"	14-3/8"	15-3/8"	17-7/8"
Width	7-1/4"	5"	5-1/4"	5-1/2"

*With ball valve attached.

Element Screen Sizes • Polyester

	Mesh	Microns	Opening
	24	711	.028"
■	30	533	.021"
	40	381	.015"
■	60	254	.010"
■	100	152	.006"
■	140	104	.004"
	250	61	.0024"
	500	30	.0012"
	1000	15	.0006"

■ Also available in Stainless Steel



www.aquat.com



Purificare

ENHANCED DISINFECTION

The **PFC Ultraviolet Series** is an effective way to provide safe, bacteria-free, water for your home or office 24 hours a day 7 days a week. The PFC Ultraviolet Disinfection Systems are setting the standards for water disinfection requirements in the industry.

FEATURES:

- Chipped Lamp- IC Models ONLY
- Touchscreen Visual & Audible Alarms
- 30 Day Replacement Alarm & Countdown Timer
- Lamp Life Expired Alarm
- UV Lamp Out Alarm
- UV Intensity Low Output Alarm
- 365 Day Resettable Lamp Life Counter
- Built in Surge Protector and Fuse
- 1" & 3/4" Standard Inlet and Outlet
- Flow Control
- Solenoid Valve Connection
- Site Port

BENEFITS:

- Tasteless & Odorless
- Eliminates microbiological contaminants without chemicals.
- Bacteria, viruses and other organisms are destroyed safely inside a factory sealed and tested stainless steel chamber.

Purificare Systems

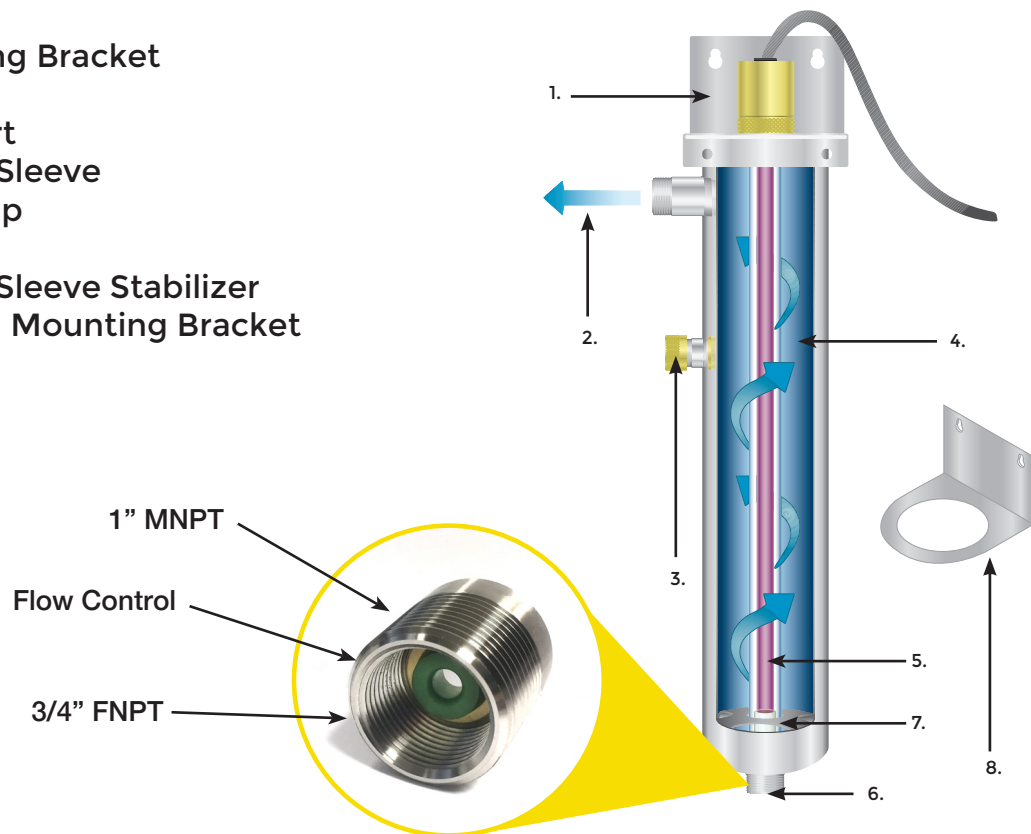
Model #	Max. Flow GPM	No. Lamps	KW @ 120 V	AMP @ 120V	AMP @ 220V	Pipe Size	Overall Dimensions L x W x D	Unit Weight
PFC-8	8	1	0.048	0.4	0.088	1" MNPT	24" x 6" x 8"	8.5 lbs.
PFC-12	12	1	0.048	0.4	0.088	1" MNPT	36" x 6" x 8"	11.5 lbs.
PFC-20	20	1	0.048	0.4	0.088	1" MNPT	40" x 6" x 8"	15.5 lbs.

Purificare Systems with Chipped Lamp

Model #	Max. Flow GPM	No. Lamps	KW @ 120 V	AMP @ 120V	AMP @ 220V	Pipe Size	Overall Dimensions L x W x D	Unit Weight
PFC-8IC	8	1	0.048	0.4	0.088	1" MNPT	24" x 6" x 8"	8.5 lbs.
PFC-12IC	12	1	0.048	0.4	0.088	1" MNPT	36" x 6" x 8"	11.5 lbs.
PFC-20IC	20	1	0.048	0.4	0.088	1" MNPT	40" x 6" x 8"	15.5 lbs.

Parts Breakdown:

1. Mounting Bracket
2. Outlet
3. Site Port
4. Quartz Sleeve
5. UV Lamp
6. Inlet
7. Quartz Sleeve Stabilizer
8. Bottom Mounting Bracket



FLOPLUS SERIES

MODIFIED MOLDED CARBON BLOCK CARTRIDGES



Pentair FloPlus[®] Cartridges utilize the benefit of small particle reduction at a flow rate comparable to a 10-micron rated cartridge.

This product boasts extremely low pressure drops and high flow rates – comparable to 10-micron (very open) carbon cartridges. Its efficiency is so high that very small particles can be removed to create cleaner, safer water.

These cartridges are ideal for applications where pressure drop and low flow have been chronic problems in the past, as well as whole house water treatment with the addition of small particle reduction. However, it will address the needs of any end user looking for a product that offers high flow, low pressure drop, infrequent cartridge changes and small particle reduction.

FEATURES • BENEFITS

- ◆ NSF/ANSI Standard 53 certified to reduce cysts such as *Cryptosporidium* and *Giardia* by mechanical means
- ◆ Premium dirt holding capacity*
- ◆ True depth filtration
- ◆ High flow rates and low pressure drop similar to a nominal 10-micron cartridge
- ◆ Maximum life – dirt holding ability of a 10-micron carbon block with the particulate efficiency of a 0.5-micron cartridge

SPECIFICATIONS

- ◆ Filter Media – Bonded PAC
- ◆ Endcaps – Polypropylene
- ◆ Netting – Polyethylene
- ◆ Gaskets – Santoprene
- ◆ Temperature Rating – 40-180°F (4.4-82.2°C)

This is the final sediment filtration stage, as required for effective UV transmittance.

*Not Tested or Certified by WQA

FLOPLUS SERIES MODIFIED MOLDED CARBON BLOCK CARTRIDGES

SPECIFICATIONS AND PERFORMANCE

MODEL #	PART #	MAXIMUM DIMENSIONS	RATING (NOMINAL)*	INITIAL ΔP (PSI) @ FLOW RATE (GPM)*	CHLORINE TASTE & ODOR @ FLOW RATE (GPM)
FloPlus-10	455903-43	2.88" x 9.75" (73 mm x 248 mm)	0.5 micron	2 psi @ 1 gpm (0.14 bar @ 3.8 Lpm)	>10,000 gallons @ 1 gpm (37,854 L @ 3.8 Lpm)
FloPlus-20	455904-43	2.88" x 20" (73 mm x 508 mm)	0.5 micron	2 psi @ 2 gpm (0.14 bar @ 7.6 Lpm)	>20,000 gallons @ 2 gpm (75,708 L @ 7.6 Lpm)
FloPlus-10BB	455905-43	4.63" x 9.75" (118 mm x 248 mm)	0.5 micron	4 psi @ 2 gpm (0.28 bar @ 7.6 Lpm)	>25,000 gallons @ 2 gpm (94,635 L @ 7.6 Lpm)
FloPlus-20BB	455906-43	4.63" x 20" (118 mm x 508 mm)	0.5 micron	4 psi @ 4 gpm (0.28 bar @ 15.2 Lpm)	>50,000 gallons @ 4 gpm (189,270 L @ 15.2 Lpm)

*Not Tested or Certified by NSF

NOTES: Performance capacity depends on system design, flow rate and certain other application conditions. Certain states require system registration or certification for health-related substance reduction claims. Cartridges may contain a very small amount of carbon fines (very fine black powder). After installation, follow the instructions for flushing the cartridge to remove the fines before using the water. You should flush the tap at least 20 seconds prior to using water for drinking or cooking purposes. This is particularly important if the tap has not been used daily.

WARNING: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.



Tested and Certified by NSF against NSF/ANSI Standard 53 and CSA B483.1 for the reduction of claims specified on the performance data sheet in models FPS-10, FPS-10BB, FPS-20 and FPS-20BB to reduce Cysts.

EPA EST. NO. 086074-NH-001



13845 Bishops Dr. | Suite 200 | Brookfield, WI 53005 | United States
P: 262.238.4400 | Customer Care: 800.279.9404 | tech-support@pentair.com

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310131 Rev H JE19



WELLMATE® CLASSIC CAPTIVE AIR TANKS

TIME-TESTED RELIABILITY, PREFERRED BY PROS



The Pentair® Wellmate® Classic series of captive air tanks utilize a high impact CPVC service connection that allows for both installation flexibility and unmatched durability.

FEATURES/BENEFITS

100% composite construction is scratch, dent and corrosion resistant

Lightweight, high-strength construction – ease of installation and serviceability

High-impact CPVC drain assembly. Use the threads, or cut it off, the choice is yours!

Seamless, durable PEU aircell is fully replaceable and constructed of heavy-gauge engineered polymer

APPLICATIONS

Residential

Light Commercial

Agricultural



High impact CPVC drain assembly – offers both flexibility and durability

ORDERING INFORMATION

MODEL #	SPECIFICATIONS					DIMENSIONS		PALLET QTY
	CAPACITY GAL / LITRE	MAXIMUM OPERATING PRESSURE PSI / kPa / BAR	DRAWDOWN 30 / 50 SETTING GAL / LITRE	SYSTEM CONNECTION	DIAMETER INCH / CM	OVERALL HEIGHT INCH / CM	HEIGHT INLET / OUTLET TO FLOOR INCH / CM	
WM-4	14.5 / 55	125 / 862 / 8.5	4.5 / 17.0	1" MNPT	16 / 41	27.5 / 70	1.75 / 4.4	9
WM-6	19.8 / 75	125 / 862 / 8.5	6.1 / 23.1	1" MNPT	16 / 41	32.5 / 82.5	1.75 / 4.4	9
WM-9	29.5 / 112	125 / 862 / 8.5	9.1 / 34.4	1" MNPT	16 / 41	44.5 / 113	1.75 / 4.4	9
WM-12	40.3 / 153	125 / 862 / 8.5	12.5 / 47.3	1" MNPT	16 / 41	57.6 / 146.3	1.75 / 4.4	9
WM-14WB	47.1 / 178	125 / 862 / 8.5	14.6 / 55.3	1.25" MNPT	21 / 53	42 / 106.3	2.25 / 5.7	4
WM-20WB	60 / 227	125 / 862 / 8.5	18.5 / 70.0	1.25" MNPT	24 / 61	42.3 / 107.3	2.25 / 5.7	4
WM-23	79.6 / 301	125 / 862 / 8.5	24.6 / 93.1	1.25" MNPT	21 / 53	62.8 / 159.5	2.25 / 5.7	4
WM-25WB	86.7 / 328	125 / 862 / 8.5	26.8 / 101.5	1.25" MNPT	24 / 61	56 / 142.3	2.25 / 5.7	4
WM-35WB	119.7 / 453	125 / 862 / 8.5	37 / 140.1	1.25" MNPT	24 / 61	75 / 190	2.25 / 5.7	n/a

ACCESSORIES / REPLACEMENT PARTS

AIRCELL REPLACEMENT KITS	
PART #	DESCRIPTION
CH4989	WM Bag Kit WM-4/WM0060 / CPV-15T REPL
CH3133-2	WM Bag Kit WM-6/WM0075 / CPV-20T REPL
CH3134-2	WM Bag Kit WM-9/WM0120 / CPV-30T REPL
CH3135-2	WM Bag Kit WM-12/WM0150 / CPV-40T REPL
CH4466	WM Bag Kit WM-14WB/WM0180 / CPV-47T REPL
CH4846	WM Bag Kit WM-20WB/WM0235 / CPV-62T REPL
CH15304	WM Bag Kit WM-23
CH4467	WM Bag Kit WM-2WB/WM0330 / CPV-87T REPL
CH4468	WM Bag Kit WM-35WB/WM0450 / CPV-119T REPL
CH12762	WM Bag Kit WM-6LP/WMLP-075
CH12763	WM Bag Kit WM-10LP/WM-LP130 REPL

SERVICE PARTS	
PART #	DESCRIPTION
CH5484-1	WM Drain One PC BTM REPL WM-4/6/9/12
CH4233	WM Drain Kit BTM REPL WM-14/35WB
CH10795	Base WM 16" Modified (3) Side Holes
CH10798	Base WM 21"/24" Modified (3) Side Holes
CH11577-2	Base WM-14WB Black w/Grommets



Tested and Certified by the Water Quality Association (WQA) to NSF/ANSI-61, Section 8 and NSF/ANSI 372.



FILTRATION & PROCESS

5730 NORTH GLEN PARK ROAD, MILWAUKEE, WI 53209
262.238.4400, CUSTOMER CARE: 800.279.9404, WWW.PENTAIRAQUA.COM

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