



43SOUTH

RESIDENTIAL & DRAINAGE PRICE LIST

2023





43SOUTH DELIVERING QUALITY BRANDS BACKED BY A KNOWLEDGEABLE & PASSIONATE TEAM

OUR STORY

43South is a New Zealand Family owned and operated business focused on delivering a brilliant customer experience. Our story started in 2017, bringing a fresh approach to the industry. We specialise in pumps, motors, filtration, and aquatic products and pride ourselves on our family of brands.

We value building great relationships with our distributors and customers, without them our business would not be possible. The team at 43South has an active part in our local community, supporting charities and organisations close to home.

We're here to help, here when you need us, and here for the long haul!

You and your customers can rely on a high level of technical support and local industry knowledge. Bigger isn't always better - as a local company, we are remarkably agile. Our team will get onto it quickly and professionally, saving you time and headaches.

Our team is diverse and comes from a range of different backgrounds - we have a lot of different experiences and areas of expertise to bring to the table! One thing we all have in common: we're excited to be part of a keen company that's up for the challenge of taking on bigger multinational companies.



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RESIDENTIAL WATER



The new JS range of household pressure pumps feature a strong stainless steel pump casing with precision moulded jet, venturi and impeller for efficiency and great performance under high suction lift applications.

The new Italian made JS series is now mounted on a stable, high quality stainless steel base for protection from corrosion. With 3 models in the range, the JS is also available with a Presscontrol or pressure switch making a perfect household water pressure system.

KEY FEATURES

- Peace of mind reliability – thanks to the robust design.
- Stainless steel casing with excellent corrosion resistance and toughness.
- Precision moulded internals for high performance and reliability.
- Self-priming with excellent suction capability to a maximum depth of 7.6m.
- Robust stainless steel base to lift pump above corrosive water on the ground.
- Italian made with quality construction.
- Loss of prime protection for JSP models, protects pump from failure.

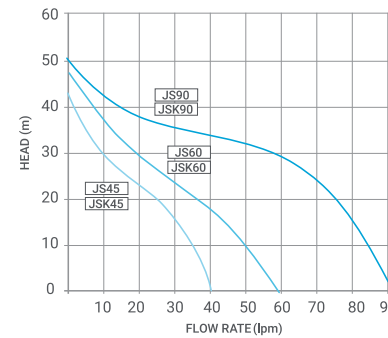
APPLICATIONS

- Ideal for installations with below ground water source.
- Domestic water supply systems with continuous or intermittent duty.
- Small farms and garden irrigation.
- Small scale industrial service.
- Pressure boosting.
- General water transfer.

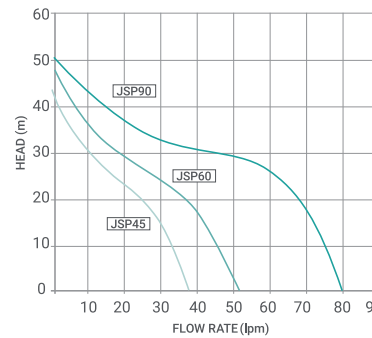
MOTOR

- Enclosed fan-cooled motor.
- Protection rating IP 44.
- Insulation class F.
- Single phase power supply with permanently activated capacitor.
- Thermal protection incorporated in motor winding.
- Continuous duty.

JS PUMP



JS PUMP + PRESS CONTROL



SELECTION CHART

WATER REQUIREMENTS	L/m
Toilet	5 - 15
Standard Shower Head	5 - 15
Lawn Sprinkler	15
Taps	6 - 10
Washing Machine	6 - 10

AVERAGE HOUSE WATER REQUIREMENTS	L/m
Small House	30
Medium House	45
Large House	60 - 75



FROM AN ABOVE GROUND TANK						
30 l/m	-	OME340	D7535	IMH750	PWCE35P12	PCFE40P12
45 l/m	-	OME350	D7556	IMH750	PWCE54P12	PCFE40P12
60 l/m	-	OME540	D11557	IMH110	-	-
75 l/m	-	OME550	-	IMH110	-	-
FROM UNDERGROUND TANK						
30 l/m	JS45	OME340	D7535	-	PWCE35P12	PCFE40P12
45 l/m	JS60	OME350	D7556	-	PWCE54P12	PCFE40P12
60 l/m	JS90	OME540	D11557	-	-	-
75 l/m	JS90	OME550	-	-	-	-

*For two storey houses move to the next size pump.

PERFORMANCE TABLE

Model	Nominal power (P2)		Absorbed power (P1)		Voltage (V)	In (A)	µF	Q	Head (m)	l/min								
	HP	kW	HP	kW						0	10	20	30	40	50	60	70	80
JS 45	0.5	0.37	0.8	0.6	1 ~ 230	3	8		43	30	23	16	1	-	-	-	-	
JS 60	0.75	0.55	1.1	0.8	1 ~ 230	4	12.5		46	36	31	26	18	6	-	-	-	
JS 90	1.0	0.75	1.8	1.3	1 ~ 230	6.5	20		43	38	34	32	29	27	25	21	10	

PRICING

Model	Code	Price
JS 45 Pump	JS45	\$643.66
JS 60 Pump	JS60	\$870.68
JS 90 Pump	JS90	\$1,102.70
JS 45 Pump W/ PC	JSP45	\$965.49
JS 60 Pump W/ PC	JSP60	\$1,316.01
JS 90 Pump W/ PC	JSP90	\$1,540.54
JS 45 Pump W/ Pressure Tank	JSK45	\$905.61
JS 60 Pump W/ Pressure Tank	JSK60	\$1,172.56
JS 90 Pump W/ Pressure Tank	JSK90	\$1,451.97

RESIDENTIAL WATER

MULTI EVO - Self Priming Multistage Pump

MULTI EVO is a self-priming horizontal multistage centrifugal pump. The innovative, high-efficiency hydraulic system is coupled to our latest generation motor. All models are certified for use with drinking water – AS/NZS 4020.

KEY FEATURES

- Peace of mind reliability - thanks to the robust design.
- Quiet operation.
- Wide range of performance levels to suit various applications.
- Self-priming with up to 8m suction lift.
- Great efficiency with the latest hydraulic design.
- D.R.O.P System for pump protection.

APPLICATIONS

- Domestic pressure systems.
- Pressure boosting.
- Water transfer.
- Irrigation and water supply.
- Semi-commercial pressure systems (OME850P).

MOTOR

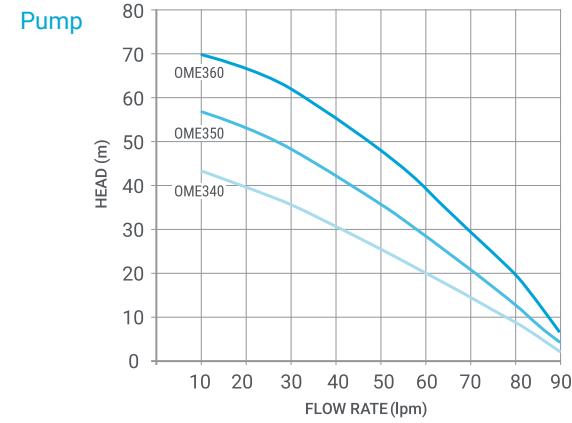
- Enclosed, air ventilated (TEFC).
- 2 poles, 50 Hz (n=2850 rpm).
- Protection class: IP55.
- Insulation class: F.
- Ambient temperature: 40°C.
- Single phase power supply with capacitor permanently on and thermal protection incorporated into motor winding.



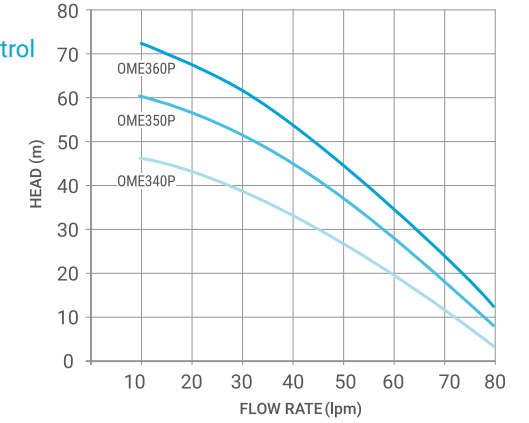
RESIDENTIAL WATER

MULTI EVO - Self Priming Multistage Pump

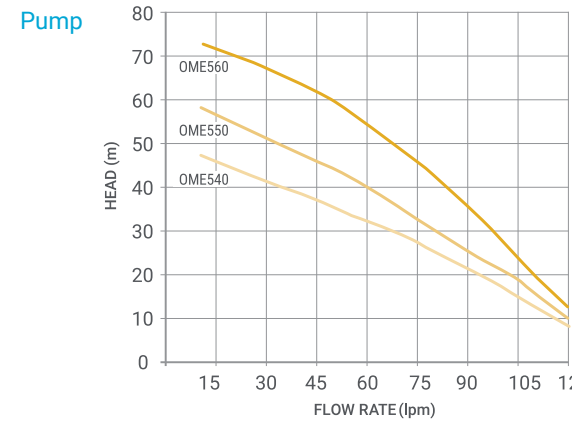
3 SERIES



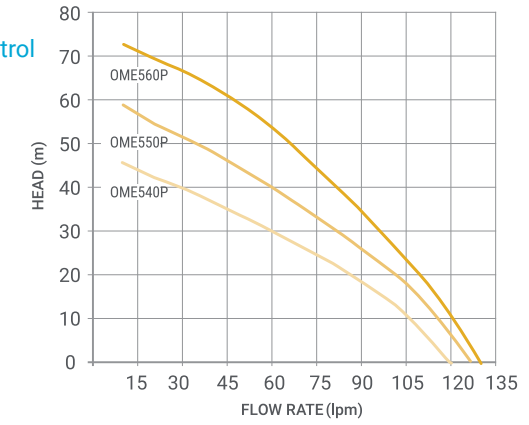
Pump + Press Control



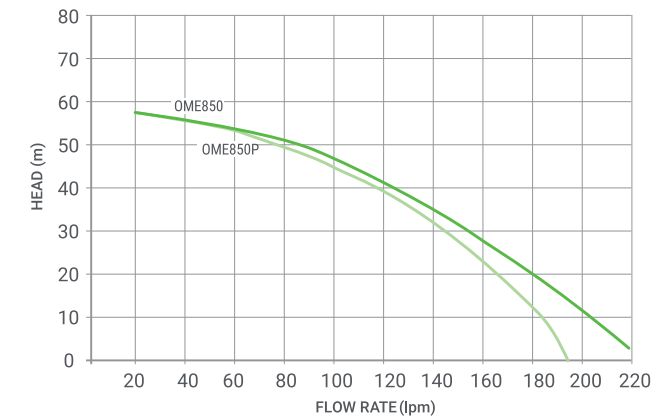
5 SERIES



Pump + Press Control



8 SERIES



PERFORMANCE TABLE

Model	Nominal power (P2)		Absorbed power (P1)		Voltage (V)	In (A)	µF	Q	l/min	10	20	30	40	50	60	80
	HP	kW	HP	kW						m³/h	0.6	1.2	1.8	2.4	3	3.6

3 SERIES

Model	Nominal power (P2) HP	Nominal power (P2) kW	Absorbed power (P1) HP	Absorbed power (P1) kW	Voltage (V)	In (A)	µF	Q	Head (m)	10	20	30	40	50	60	80
Multi EVO - A 3-40	0.68	0.51	1.1	0.8	1 ~ 230	3.7	12.5	4P	42.5	39.5	35.5	31	25.5	20.5	9	
Multi EVO - A 3-50	0.94	0.7	1.34	1	1 ~ 230	4.4	16	6P	56.5	53	48.5	42	35.5	28.6	13	
Multi EVO - A 3-60	1.2	0.9	1.68	1.25	1 ~ 230	5.7	20	6P	70.5	67	62	55.5	48	39.5	20	

Model	Nominal power (P2)		Absorbed power (P1)		Voltage (V)	In (A)	µF	Q	l/min	20	30	40	50	60	80	100	120
	HP	kW	HP	kW						m³/h	1.2	1.8	2.4	3	3.6	4.8	6

5 SERIES

Model	Nominal power (P2) HP	Nominal power (P2) kW	Absorbed power (P1) HP	Absorbed power (P1) kW	Voltage (V)	In (A)	µF	Q	Head (m)	40	50	60	80	100	120	140	160	180	200
Multi EVO - A 5-40	1	0.75	1.5	1.1	1 ~ 230	4.7	16		44.5	41.5	39	35.5	32.5	25	17	7.5			
Multi EVO - A 5-50	1.27	0.95	1.8	1.35	1 ~ 230	6.2	20		56	52	48.5	45	40.5	31	21.5	10			
Multi EVO - A 5-60	1.6	1.2	2.2	1.65	1 ~ 230	7.5	31.5		71.5	68.5	65	61	55.5	43.5	28.5	12.5			

Model	Nominal power (P2)		Absorbed power (P1)		Voltage (V)	In (A)	µF	Q	l/min	40	50	60	80	100	120	140	160	180	200
	200	kW	HP	kW						m³/h	2.4	3	3.6	4.8	6	7.2	8.4	9.6	10.8

8 SERIES

Model	Nominal power (P2) HP	Nominal power (P2) kW	Absorbed power (P1) HP	Absorbed power (P1) kW	Voltage (V)	In (A)	µF	Q	Head (m)	56.5	55	54	51	47	42	36	28	21	12
Multi EVO - A 8-50	1.9	1.4	2.7	2	1 ~ 230	9	35	Head (m)	56.5	55	54	51	47	42	36	28	21	12	

MULTI EVO PRICING

Model	Inlet	Outlet	Pump		Pump + Press Control	
			Code	Price	Code	Price
Multi EVO - A 3-40 0.51 / 1 Phase	1"	1"	OME340	\$877.02	OME340P	\$1,264.56
Multi EVO - A 3-50 0.70 / 1 Phase	1"	1"	OME350	\$1,061.59	OME350P	\$1,470.89
Multi EVO - A 3-60 0.90 / 1 Phase	1"	1"	OME360	\$1,244.81	OME360P	\$1,654.60
Multi EVO - A 5-40 0.75 / 1 Phase	1"	1"	OME540	\$1,238.07	OME540P	\$1,647.25
Multi EVO - A 5-50 0.95 / 1 Phase	1"	1"	OME550	\$1,281.18	OME550P	\$1,690.11
Multi EVO - A 5-60 1.20 / 1 Phase	1"	1"	OME560	\$1,507.51	OME560P	\$1,916.69
Multi EVO - A 8-50 1.40 / 1 Phase	1 1/4"	1 1/4"	OME850	\$1,712.28	OME850P	\$2,121.22

RESIDENTIAL WATER

DOMINATOR SERIES - Submersible Pressure Pump



Submerged in a tank, these household pressure systems are completely silent. The Dominator range are highly efficient, robust and reliable. Sharing pump components with the highly respected Sta-Rite Signature 2000 submersible borehole pump range coupled with electronic pressure control the Dominator becomes a complete home pressure system

KEY FEATURES

- Stainless steel body provides strength and superior protection against corrosion.
- Precision moulded internals from the Signature 2000 series for high efficiency and durability.
- Coupled with a Minipress, Presscontrol or WaterSwitch this becomes a reliable automatic pressure system with loss of prime protection.
- Fully insulated cable connection chamber.
- Inbuilt thermal overload.
- Dual mechanical seals.
- Maximum head - 57 m.
- Maximum flow - 94 lpm.

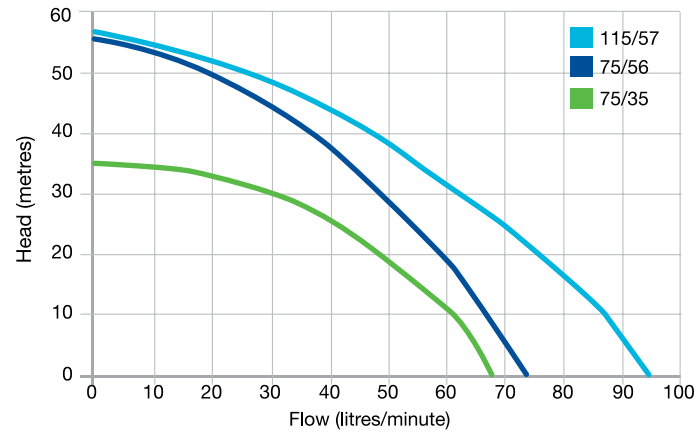
APPLICATIONS

- The perfect in-tank household pressure pump.
- Domestic pressure system (with Minipress, Presscontrol or WaterSwitch), irrigation and garden water supply and water transfer.

OPERATING CONDITIONS

- Suitable for pumping clean non-aggressive liquids without solids or fibres in suspension.
- Fluid: Water.
- Maximum water temperature: 40°C.
- Minimum water temperature: 1°C.
- Maximum submergence: 20m.
- Minimum priming level: 120mm.

*Not suitable for use in borehole applications



PERFORMANCE TABLE

Model	Delivery Head (m)	10	15	20	25	30	35	40	45	50	55
Dominator 75/35	Capacity (litres per minute)	63	55	49	40	29	-	-	-	-	-
Dominator 75/56		66	63	58	54	49	44	37	29	20	-
Dominator 115/57		86	81	75	69	63	56	47	38	28	14

ELECTRICAL DATA

Model	Type of current	Voltage	Frequency Hz	Motor Rating (kW)		RPM min	Full Current	Motor Protection	Insulation Class	IP Rating
				P1	P2					
Dominator 75/35	1-phase	230	50	0.6	0.35	2850	3 A	Inbuilt	F	IP68
Dominator 75/56	1-phase	230	50	0.75	0.6	2850	3.3 A	Inbuilt	F	IP68
Dominator 115/57	1-phase	230	50	1.1	0.8	2850	5 A	Inbuilt	F	IP68

DOMINATOR PRICING

		43SP8
Model	Code	Price
Dominator 75/35 + MiniPress Controller	DP7535	\$1,639.53
Dominator 75/56 + MiniPress Controller	DP7556	\$1,976.33
Dominator 115/57 + PC1100 Controller	DP11557	\$2,372.41



RESIDENTIAL WATER

INTELLIMASTER - Multistage Variable Speed Pump

NOTHING BUT THE BEST

The Intellimaster variable speed pumps are the latest innovation from Pentair Onga. Every feature of the Intellimaster pump range has been engineered to answer the needs of today's savvy buyer; high efficiency, reliability and low maintenance.

ENVIRONMENT-FRIENDLY & ENERGY EFFICIENT

The Intellimaster series of pumps are your perfect environment friendly, energy saving choice. The variable speed drive adjusts the pump speed in relation to water demand ensuring constant pressure all of the time. It also consumes significantly less power when compared to a conventional fixed speed pump of the same size.

EASY TO INSTALL - EASY TO OPERATE

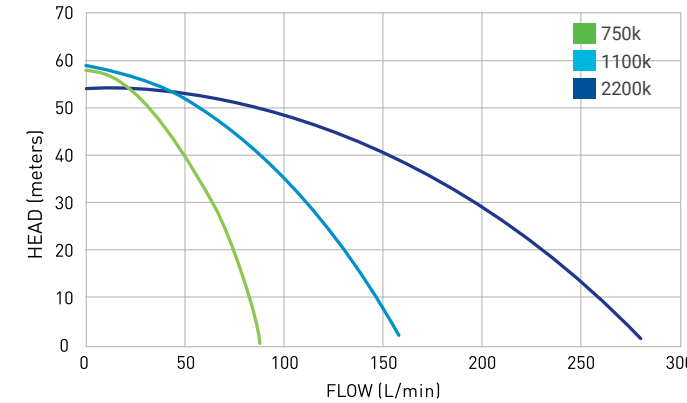
Intellimaster kits include chosen pump model, variable speed frequency drive, five-way tee, pressure transducer and 8L pressure tank - offering the complete package for easy installation with no additional fittings required.

KEY FEATURES

- High efficiency, reliability and low maintenance.
- Large LCD Display with adjustable pressure set point.
- 16Bar Transducer pressure gauge.
- Stainless Steel five-way tee with inbuilt non-return valve
- Quiet operation.
- Fan-cooled motor with inbuilt thermal overload.
- Maximum Head - 58 m.
- Maximum Flow - 270 lpm.

APPLICATIONS

- Domestic pressure system.
- Pressure boosting.
- Irrigation and garden water supply.
- Water transfer.
- Stock water.



PERFORMANCE TABLE

Model	Motor Rating (kW)	Weight Approx. (kg)	Pump Inlet	Pump Outlet
Intellimaster 750k	0.75	19	1" BSP (Female)	1" BSP (Female)
Intellimaster 1100k	1.1	19	1 1/4" BSP (Female)	1" BSP (Female)
Intellimaster 2200k*	2.2	28	1 1/2" BSP (Female)	1 1/4" BSP (Female)

*15 Amp plug

INTELLIMASTER PRICING

		43SP8
Model	Code	Price
Intellimaster 750k	IMH750K	\$2,424.95
Intellimaster 1100k	IMH1100K	\$2,749.62
Intellimaster 2200k	IMH2200K	\$3,747.89

RESIDENTIAL WATER

43SOUTH - 10 Bar Rated Pressure Tanks



10 BAR



A pressure tank is an essential part of a pressurized water system that provides water pressure at a set level. The tank stores supplemental water between diaphragm and liner. This process reduces the number of times the motor needs to start in order for the system pressure to remain at the set level.

A properly sized pump and pump tank will work as a team to meet your needs and will deliver many years of dependable service.

KEY FEATURES

- Seamless Connector – Patented Leak Safe Technology with Welded 304 Stainless Steel Connector.
- PP Liner – FDA Polypropylene Liner.
- Air-Seal Diaphragm – NSF Certified Butyl Rubber Diaphragm 100% Air Seal.
- Welding Zone – Pressure Equipment Directive Certified Welding Structure.
- Coating – Triple Coating Rust Protection.

OPERATING CONDITIONS

- Maximum pressure: 10 Bar

VERTICAL PRESSURE TANKS - PERFORMANCE TABLE

Model/Code	Total Tank Volume (Litre)	Draw off Volume (Litre)	Diameter (cm)	Height Incl. Base (cm)	Box Dimensions L x W x H (cm)	Net Weight (kg)	Gross Weight (kg)	Connection (Inch)	Price
43SPT-003*	3	1	13	21.5	31 x 30 x 24	4.1	4.7	1/4	\$76.68
43SPT-008*	8	3.5	20.3	29	21.5 x 21.5 x 31.5	1.9	2.3	1	\$121.32
43SPT-018*	18	9.5	28	39	28.5 x 28.5 x 39.5	3.3	3.7	1	\$125.90
43SPT-024*	24	11.5	29.5	41.5	31 x 31 x 44.5	3.9	4.8	1	\$164.81
43SPT-060	58	42.8	38.1	60	41 x 41 x 62	9.7	11	1	\$404.01
43SPT-080	80	50	38.1	78	41 x 41 x 81	13.1	14.6	1	\$587.13
43SPT-100	100	58.5	38.1	99.5	41 x 41 x 101	16.6	18.4	1	\$677.54
43SPT-130	130	85.6	55.9	78.5	56 x 56 x 76	21	24.5	1 1/4	\$812.60
43SPT-160	160	115	55.9	92.1	56 x 56 x 92	24.5	27.8	1 1/4	\$1,229.19
43SPT-240	240	140	55.9	116.6	56 x 56 x 118	34.9	37.7	1 1/4	\$1,600.00
43SPT-300	300	167	55.9	145.6	56 x 56 x 147	41.1	47.1	1 1/4	\$1,811.74
43SPT-450	450	360	65	140	69 x 69 x 144	56.5	61.5	1 1/4	\$2,477.84

43SP8-43

HORIZONTAL PRESSURE TANKS - PERFORMANCE TABLE

Model/Code	Total Tank Volume (Litre)	Draw off Volume (Litre)	Diameter (cm)	Height Incl. Base (cm)	Box Dimensions L x W x H (cm)	Net Weight (kg)	Gross Weight (kg)	Connection (Inch)	Price
43SPT-024H	24	11.5	29.5	41.5	31 x 31 x 44.5	3.9	4.8	1	\$189.99
43SPT-060H	58	42.8	38.1	60	41 x 41 x 62	9.7	11	1	\$404.01
43SPT-080H	80	50	38.1	78	41 x 41 x 81	13.1	14.6	1	\$534.48

* Pressure tank has no base.



16 BAR



RESIDENTIAL WATER

43SOUTH - 16 Bar Mega-Plus Pressure Tanks

MegaPlus Pressure tank is an essential part of a pressurized water system that provides water pressure at a set level. The tank stores supplemental water between diaphragm and liner, and the pressurized air chamber is able to create a supply circle. This process reduces the number of times the motor needs to start in order for the system pressure to remain at a set level.

The tension of the diaphragm maintains water pressure within the system, ensuring proper operation of the dishwasher and washing machine, and robust flow for showering and bathing. MegaPlus provides high water pressure solution for the high rise building and the long distant pressure support. Ensuring the water system works efficiently and energy saving with no maintenance.

KEY FEATURES

- Rubber Diaphragm membrane type pressure tank:
 - 16 Bar High Pressure Booster Water System
 - Water Machining
 - Fire system
 - Water Jet, 1.5L per Min Flow Rate
- Polypropylene liner and the diaphragm membrane create a water zone to avoid water contact with the tanks metallic surface, so the tank is able to be used for drinking water
- The Stainless steel water connector is the perfect connection for water pipe
- Epoxy powder exterior painting to guarantee a high level of protection against oxidation

OPERATING CONDITIONS

- Shell: Cold rolled Carbon Steel
- System Connection: 304 Stainless Steel connector
- Coating: Triple coated liquid paint
- Diaphragm: Heavy-Duty butyl rubber
- Liner Material: FDA grade polypropylene
- Factory Pre-Charge: 4 Bar / 58 PSI
- Max Working Temperature: 93°C / 200°F
- Max Working Pressure: 16 Bar / 232 PSI



16 BAR MEGA-PLUS PRESSURE TANKS - PERFORMANCE TABLE

Model	Total Tank Volume (Litre)	Accept Volume (Litre)	Diameter (cm)	Height Incl. Base (cm)	Box Dimensions L x W x H (cm)	Net Weight (kg)	Gross Weight (kg)
MEGA-24	24	11.5	29.0	41.5	30.3 x 30.3 x 43.5	4.4	5.3
MEGA-80	80	50.0	39.0	77.0	40 x 40 x 79.7	15.3	16.8
MEGA-100	100	58.5	39.0	96.3	40 x 40 x 98.3	19.9	21.7
MEGA-240	240	140	55.0	119.0	56 x 56 x 118	39.4	42.2

16 BAR MEGA-PLUS PRESSURE TANKS - PRICING

Model	Code	Price
Tank Pressure 43S 24Ltr 1" BSP FS High Pressure	43SPT-024-MEGA	\$332.57
Tank Pressure 43S 80Ltr 1" BSP FS High Pressure	43SPT-080-MEGA	\$1,260.97
Tank Pressure 43S 100Ltr 1" BSP FS High Pressure	43SPT-100-MEGA	\$1,524.26
Tank Pressure 43S 240Ltr 1-1/4" BSP FS High Pressure	43SPT-240-MEGA	\$2,222.14

43SP8-43

RESIDENTIAL WATER

PRO-SOURCE - Pressure Tanks



The First Choice for Clean and Dependable Fresh-Water Delivery

Designed and manufactured with capacities to match a wide range of fresh-water needs, PROSource® Composite tanks are the choice for lasting durability and quality. Tougher-than-steel composite construction includes an outer shell wrapped with more than three miles of continuous, overlapping fibers. PRO-Source Composite tanks will not rust, corrode, dent or scratch, and require no painting or exterior maintenance. The Water Quality Association-approved air cell will not affect the natural purity of your water.

KEY FEATURES

- Pro-Source composite fibrewound tanks designed and manufactured to match a wide range of fresh water applications.
- Pro-Source composite tanks will not rust, corrode, dent or scratch and require no painting or exterior maintenance.
- NEW seamless durable air cell constructed of heavy gauge engineered polymer.
- NEW drain screen field proven and unobtrusive design flush mounted to bottom of the tank.
- PRO-Source composite tanks are the choice for longevity and durability.

OPERATING CONDITIONS

Designed and manufactured with capacities to match a wide range of fresh water needs.

- Maximum capacity: 55l - 450l
- Maximum water temperature: 49°C.
- Maximum ambient air temperature: 49°C.
- Maximum pressure: 7 Bar



PRO-SOURCE PRESSURE TANKS - PERFORMANCE TABLE

Model	Water Yield Per Pump Cycle Pressure Switch Setting			Tank Capacity (litre)	Tank Diameter (cm)	Tank Height (cm)	BSP (Inch)
	20-40psi	30-50psi	40-60psi				
APSC-14-4-01	18.7	16.5	14.3	55	41	71.6	1"
APSC-20-6-01	25.5	22.5	19.5	75	41	86.6	1"
APSC-30-9-01	38.1	33.5	29.1	112	41	117.6	1"
APSC-48-14-01	60.5	53.5	46.3	178	61	112.8	1 1/4"
APSC-60-20-01	77.2	68.1	59.0	227	53	166.4	1 1/4"
APSC-85-25-01	111.5	98.5	85.3	328	61	145.3	1 1/4"
APSC-119-35-01	154	135.9	117.8	453	61	191.5	1 1/4"

PRO SOURCE PRESSURE TANK PRICING

Model	Code	43SP8
		Price
Pro-Source Pressure Tank 55 litre	APSC-14-4-01	\$693.19
Pro-Source Pressure Tank 75 litre	APSC-20-6-01	\$1,021.42
Pro-Source Pressure Tank 112 litre	APSC-30-9-01	\$1,021.42
Pro-Source Pressure Tank 178 litre	APSC-48-14-01	\$1,622.75
Pro-Source Pressure Tank 227 litre	APSC-60-20-01	\$1,837.08
Pro-Source Pressure Tank 328 litre	APSC-85-25-01	\$2,131.01
Pro-Source Pressure Tank 453 litre	APSC-119-35-01	\$2,816.86

RESIDENTIAL WATER

PRESSURE TANKS - Accessories

ACCESSORIES

Description	Code	Price
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PRESSURE KITS

Pressure Kit 20-40 psi Brass, Pre-Wired	800633-1	\$136.36
Pressure Kit 30-50 psi Brass, Pre-Wired	800634-1	\$156.82
Press Control and Lec Kit (Including Union) 1.5 Bar	880800	\$408.57
Press Control and Lec Kit (Including Union) 2.2 Bar	880801	\$408.57
Mc1500 Mascontrol 10amp Lec	130003	\$589.09
Mc2200 Mascontrol 10amp Lec	880802	\$589.09

PRESSURE GAUGE

Pressure Gauge 0-800 Kpa	700240	\$97.98
Pressure Gauge 0-1600 Kpa	PG50-0-1600	\$97.98
Pressure Gauge 0-2400 Kpa	700242	\$97.98

PRESSURE SWITCH

Pressure Switch Square D 30-50	700244	\$146.97
Pressure Switch (20-80 psi)	700246	\$148.19
Pressure Switch Lop (20-80 psi)	702363	\$318.43

MRC VALVES

25mm SS316 SCR Swing Check Valve	SSSV25	\$112.43
32mm SS316 SCR Swing Check Valve	SSSV32	\$149.15
40mm SS316 SCR Swing Check Valve	SSSV40	\$211.19
50mm SS316 SCR Swing Check Valve	SSSV50	\$263.62
25mm 2PC SS316 RTFE Seat Ball Valve 1000 Wog Lockable Handle	SSBV25-316	\$56.15
32mm 2PC SS316 RTFE Seat Ball Valve 1000 Wog Lockable Handle	SSBV32-316	\$88.94
40mm 2PC SS316 RTFE Seat Ball Valve 1000 Wog Lockable Handle	SSBV40-316	\$114.96
50mm 2PC SS316 RTFE Seat Ball Valve 1000 Wog Lockable Handle	SSBV50-316	\$183.03

HOSE

Braided Hose 600mm	Sp202	\$110.22
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RESIDENTIAL WATER

iWATERSWITCH - Intelligent Rainwater Controller



Our new product, the iWaterSwitch encompasses new intelligent features and a contemporary design resulting in a highly dependable rainwater harvesting unit that recreates the industry benchmark. The iWaterSwitch is a fully automatic device that is designed to seamlessly switch between stored rainwater and mains water supply when required to supply toilets, laundry, garden and other non-potable water applications. The all new iWaterSwitch displays real time flow rate, pressure and current readings as well as recording rainwater used so that you can track your savings. The iWaterSwitch can be fitted to most household pumps in the Onga range.

iWaterSwitch automatically switches between harvested rainwater and mains water. It features all the benefits of its predecessors plus the flexibility of adjustable cut-in and cut-out flow rates, minimum pressure and maximum run time making it the ideal water saving device in all mains water fed homes. It can be mounted directly to a surface mounted pump or may be wall mounted in the case of pairing with a submersible pump.

KEY FEATURES

- Fully functional LCD display
- Realtime flow rate, pressure and current readings
- Adjustable cut-in, cut-out flow and max-run time
- Data recording of rainwater used
- Switching between float and floatless operation via a simple change of setting
- Fully interchangeable with the Onga MkII WaterSwitch
- Direct acting solenoid for more robust and reliable operation

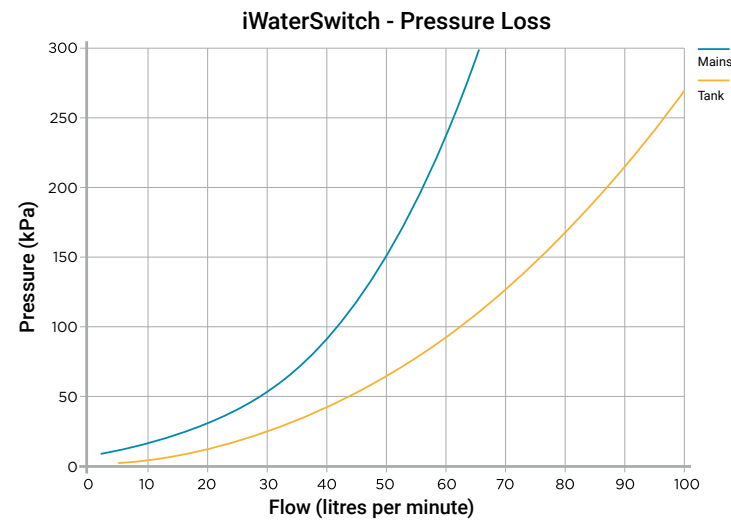
APPLICATIONS

Use your rainwater to supply toilets, laundry, washdown, garden irrigation and other non-potable water applications.

OPERATING CONDITIONS

Suitable for use with mains water and clean water without solids or fibres.

- Minimum flow rate: 1 L/min
- Minimum pressure (mains): 100 kPa
- Maximum pressure (mains) 1000 kPa
- Minimum liquid temperature: 1°C
- Maximum liquid temperature: 40°C
- Minimum ambient temperature: 1°C
- Maximum ambient temperature: 40°C
- Minimum mains pressure: 100kPa.
- Maximum mains pressure: 1000kPa.



PERFORMANCE TABLE

Model	Rated Supply Voltage	Standby Power Consumption (Mains)	Control Power (ON), Pump & Tank	Maximum Electrical Load	IP Rating	Cable	Cable Length
iWaterSwitch	230-240 VAC, Single Phase	3.5W	30W	10A/2400W	IP 44	H07RN-F	2m

iWATERSWITCH PRICING

Model	Code	Price
iWaterSwitch	IWS1500	\$1,380.00

AUTOJET SERIES

Garden Pump



The new Flotec Autojet are easy to install automatic pressure systems that are effective in utilising your tank water. The stainless steel pump casing ensures durability and corrosion resistance, whilst the Press control makes it functional for garden use as an automatic pressure system, suitable for the connection to both above and below ground tasks.

KEY FEATURES

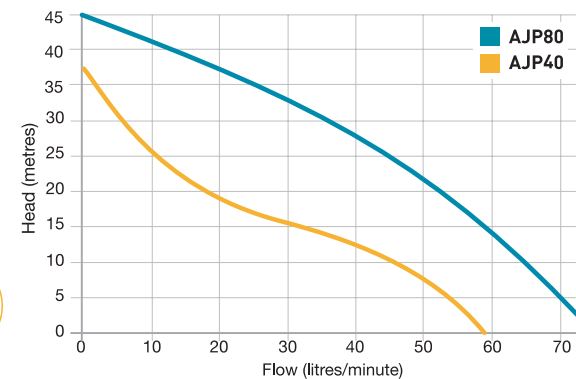
- Stainless steel casing provides strength and superior protection against corrosion and the elements
- Precision moulded internals for high efficiency and durability
- Coupled with a Press control becoming a reliable automatic pressure system with loss of prime protection
- Excellent priming capabilities
- Max. Head: 46 M | Max. Flow: 77 L/min
- Suction lift: up to 8 M
- Inbuilt thermal overload

APPLICATIONS

- Domestic pressure system, water transfer, irrigation and garden water supply

OPERATING CONDITIONS

- Suitable for pumping clean water.
- Fluid: Water.
- Maximum water temperature: 35°C.
- Maximum ambient temperature: 40°C.
- Maximum suction lift: 8 MT.



PERFORMANCE TABLE

Model	Max. Flow	Max. Head	Max. Suction (m)	Type of Current	Voltage	Watts	kW
Autojet 40	40	38	8	1-phase	230	450	0.45
Autojet 80	71	46	8	1-phase	230	1100	1.1

AUTOJET SERIES PRICING

Model	Code	Price
Autojet 40	AJP40	\$579.29
Autojet 80	AJP80	\$644.20

RESIDENTIAL WATER

JM SERIES

Composite Jet Pump



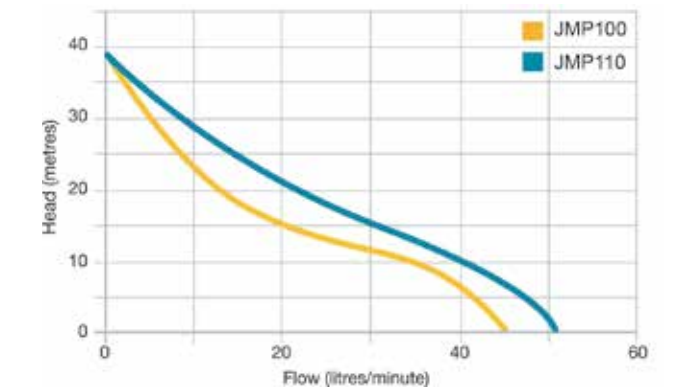
Horizontal, single-stage, surface mounted jet pump with closed impeller for pumping debris free water, integrated with a cool running Totally Enclosed Fan Cooled 2 pole motor with inbuilt thermal overload.

KEY FEATURES

- Composite casing provides superior protection against corrosion.
- Precision moulded internals for high efficiency and durability.
- Coupled with a Onga PressControl this becomes a reliable automatic pressure system with dry run protection.
- Excellent priming capabilities.
- Suction lift to 7.6m.
- Inbuilt thermal overload.
- Max. head - 38m
- Max. flow - 52lpm

APPLICATIONS

Domestic pressure systems (with Onga PressControl), irrigation, garden water supply and transfer.



PERFORMANCE TABLE

Model	Type of Current	Voltage ± 10%	Frequency	P1	P2
JM1000	1-phase	230	50	0.45	0.3
JM1100	1-phase	230	50	0.55	0.45

RPM Min	Full Current	Locked Rotor Current	Motor Protection	Insulation Class	IP Rating
2850	2.1A	8.8A	Inbuilt	F	IPX5
2850	2.6A	17A	Inbuilt	F	IPX5

JM SERIES SERIES PRICING

Model	Code	Price
JM1000	JMP1000	\$618.48
JM1100	JMP1100	\$661.35

Notes

Lined area for notes



FILTRATION

UV Series



Ultraviolet Water Treatment and Microfiltration System

Designed to greatly improve the quality of your families drinking water throughout your home. Suitable for rain water, mains water and surface water treatment applications.



UV55
For small to medium houses, complete with 10 inch BIG White Pentair Housings



UV75
For medium to large houses, complete with 20 inch BIG White Pentair Housings

BENEFITS OF THE SYSTEM

- Reduces sediment, silt, sludge, dirt, rust, coarse and fine particles, chemicals including chlorine, bad taste, and odour
- Tested to remove 99.9999% of Escherichia Coli (e. Coli)*
- Proven Pentair owned and manufactured filtration housings, cartridges, and components
- Multistage micro filtration and ultraviolet purification all-in-one unit
- Commercial design for indoor or outdoor installation to withstand NZ and AU climate conditions**
- Equipped with a UV lamp count-down timer and alarm to ensure the system is working at optimal performance, 100% of the time.



AS/NZS 4020 CERTIFIED



Certified to remove E-coli 99.9999% (GB/T 5750.12-2006 Standard examination methods for drinking water microbiological parameters).



Fully tested and certified to AS/NZS 60335.1, AS/NZS60335.2.109 and CISPR 15:2018.



Certified for WMTS-103:2016 for use on domestic drinking water supply.



Filter Cartridges Certified to NSF Std 42, NSF Std 53, CSA B483. UV5505 & UV7505: NSF 42, NSF 53 & CSA B483. UV5510 & UV7510: NSF 42 UV5501 & UV7501: NSF 42.



UV55

For small to medium houses, 55 litres per minute average demand. Suitable for rain water, mains water and surface water treatment applications

APPLICATIONS

- Improves the quality of your water for washing, showering and cooking, can even protect your plumbing and appliances
- Commercial design for indoor or outdoor installation to withstand Australian climate conditions**
- Equipped with a UV lamp count-down timer and alarm to ensure the system is working at optimal performance, 100% of the time.



UV75

For medium to large houses, 75 litres per minute average demand. Suitable for rain water, mains water and surface water treatment applications

APPLICATIONS

- Improves the quality of your water for washing, showering and cooking, can even protect your plumbing and appliances
- Commercial design for indoor or outdoor installation to withstand Australian climate conditions**
- Equipped with a UV lamp count-down timer and alarm to ensure the system is working at optimal performance, 100% of the time.



PERFORMANCE TABLE

Model	Flow Rate	Inlet Size	Micron Rating	Approx. Filter Cartridge Life	Min/Max Inlet Water Temp.	Min/Max Inlet Water Pressure	Dry Weight	Wet Weight (In Operation)
UV55	55 l/min	25mm (1" BSP)	1 Micron	Up to 12 Month*	4 - 38°C	140 to 520 kPa	22 kg	32 kg
UV75	75 l/min	25mm (1" BSP)	1 Micron	Up to 12 Month*	4 - 38°C	140 to 520 kPa	27 kg	42 kg

UV SERIES PRICING

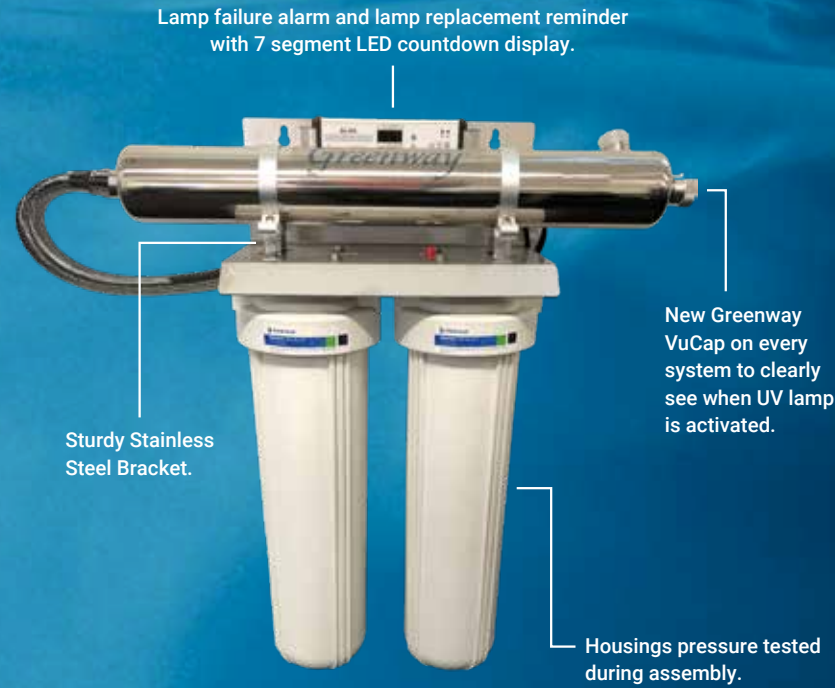
		43SPF3
Model	Code	Price
UV55	Pentair-UV55	\$2,391.00
UV75	Pentair-UV75	\$2,607.00

UV SERIES - REPLACEMENT PARTS

		43SP3
Model	Code	Price
UV Ballast	BHML002	\$345.00
UV Lamp	BHML003	\$237.00
UV Quartz Sleeve	BHML004	\$138.00
UV Quartz O-ring	BHML006	\$12.00

Greenway Hi-Flow UV System

- 99.99% destruction of bacteria (such as Ecoli), viruses and protozoan cysts (Cryptosporidium and Giardia lamblia).
- Low maintenance and easy servicing.
- Sturdy Stainless Steel bracket.
- Compact design for reduced footprint and improved disinfection.
- Electronic controller with universal AC input, constant lamp current and low power consumption.
- Third party bioassay tested.



BALLAST
(double the standard electrical warranty)



LAMP
Pro-Rata



CHAMBER



Housings Tested and Certified by NSF International to NSF/ANSI Standard 42 for material and structural integrity requirements.

Hi-Flow Twin Housing UV System

The Hi-Flow twin housing system UV is designed for systems where average flows exceed 60l/min and require a longer contact time to effectively reduce the risk and bacteria and viruses.

* Cartridges Included.



HI-FLOW UV SYSTEM

			43SP3
Code	Recommended Flow @ 30mj/cm ²	Lamp Watts	Price
HF2-20-UV	92 l/min	40 W	\$2,235.00

POLY PLEATED SEDIMENT

The Polyester Pleated cartridges offer good general filtration with the benefit of being washable and re-used. The high surface area of the media provides a higher dirt holding capacity, high flows while maintaining an extremely low pressure drop. Used for sediment, scale and rust removal.



2.5" DIAMETER CARTRIDGES

				43SPF1
Code	Length	Micron Rating	Rated Flow (Lpm)	Price
1PP10	10"	1	41	\$20.01
5PP10	10"	5	43	\$18.83
20PP10	10"	20	45	\$18.83
50PP10	10"	50	48	\$18.83
1PP20	20"	1	88	\$38.84
5PP20	20"	5	90	\$35.31
20PP20	20"	20	94	\$35.31
50PP20	20"	50	100	\$35.31

4.5" DIAMETER CARTRIDGES

				43SPF1
Code	Length	Micron Rating	Rated Flow (Lpm)	Price
1PP10BB	10"	1	82	\$38.84
5PP10BB	10"	5	85	\$35.31
20PP10BB	10"	20	90	\$35.31
50PP10BB	10"	50	95	\$35.31
1PP20BB	20"	1	175	\$68.27
5PP20BB	20"	5	180	\$65.91
20PP20BB	20"	20	188	\$65.91
50PP20BB	20"	50	200	\$65.91

POLYSPUN

The Pentek Polyspun cartridges are manufactured from 100% pure polypropylene. Designed for high purity and will not impart taste, odour or colour to the liquid being filtered. The polypropylene construction provides superior chemical resistance and is not prone to bacterial attack.



2.5" DIAMETER CARTRIDGES

				43SPF1
Code	Length	Micron Rating	Rated Flow (Lpm)	Price
P1-Spun	10"	1	20	\$9.77
P5-Spun	10"	5	20	\$9.77
P25-Spun	10"	25	20	\$9.77
P1-20-Spun	20"	1	40	\$20.24
P5-20-Spun	20"	5	40	\$19.19
P25-20-Spun	20"	25	40	\$19.19

4.5" DIAMETER CARTRIDGES

				43SPF1
Code	Length	Micron Rating	Rated Flow (Lpm)	Price
DGD-2501	10"	1	40	\$34.13
DGD-5005	10"	5	40	\$31.78
DGD-7525	10"	25	40	\$31.78
DGD-2501-20	20"	1	80	\$60.62
DGD-5005-20	20"	5	80	\$60.62
DGD-7525-20	20"	25	80	\$60.62

CARBON BLOCK

The Pentek Carbon Block cartridges are highly effective for reducing taste and odour, chlorine and sediment. The outer layer is designed to significantly increase useful life of the cartridge by trapping sediment that typically blocks carbon block cartridges.



2.5" DIAMETER CARTRIDGES

				43SPF1
Code	Length	Micron Rating	Rated Flow (Lpm)	Price
CBC-10	10"	0.5	3.8	\$38.84
EP-10	10"	5	3.8	\$28.01
EPM-10	10"	10	3.8	\$27.07
CBC-20	20"	0.5	7.6	\$81.21

4.5" DIAMETER CARTRIDGES

				43SPF1
Code	Length	Micron Rating	Rated Flow (Lpm)	Price
CBC-BB	10"	0.5	7.6	\$121.23
EP-BB	10"	5	7.6	\$87.33
EPM-BB	10"	10	7.6	\$87.10
CBC20-BB	20"	0.5	15.2	\$211.86
EPM-20BB	20"	10	15.2	\$144.77

SILVER IMPREGNATED CARBON BLOCK

The Pentair SCBC-10 Carbon Block Cartridges are treated to inhibit biofilm and microbial build-up in the filter that can decrease product life. The SCBC-10 Cartridge is highly effective at reducing unwanted taste and odour and chlorine taste and odour from potable drinking water.



2.5" DIAMETER CARTRIDGES

				43SPF1
Code	Length	Micron Rating	Rated Flow (Lpm)	Price
SCBC-10	10"	0.5	3.8	\$64.71

PENTEX DFX SERIES DIAMOND FLOW CARTRIDGES

DFX Series Diamond Flow cartridges are a unique, premium cartridge that utilizes several of the Pentair core competencies by merging technologies into one cartridge in order to bring customers a quality product. Diamond Flow Series cartridges offer the effective chlorine taste & odour reduction found in traditional Pentek carbon blocks, joined with the superior sediment reduction to resist premature plugging. These dual purpose cartridges are well-suited for a wide range of applications.



4.5" DIAMETER CARTRIDGES

				43SPF1
Code	Length	Micron Rating	Price	
DFX-CB-BB	10"	10	\$81.95	
DFX-CB-20BB	20"	10	\$145.00	

CARBON IMPREGNATED PLEATED

Pentek NCP Series Cartridges are constructed from a carbon impregnated non-cellulose media. They offer sediment filtration, as well as chlorine taste and odour reduction in one cartridge.

NCP Series Cartridges are excellent polishing filters, closed loop streams and are ideal for post reverse osmosis and well water applications.



2.5" DIAMETER CARTRIDGES

				43SPF1
Code	Length	Micron Rating	Rated Flow (Lpm)	Price
NCP-10	10"	10	11	\$40.75
NCP-20	20"	10	19	\$71.90

4.5" DIAMETER CARTRIDGES

				43SPF1
Code	Length	Micron Rating	Rated Flow (Lpm)	Price
NCP-BB	10"	10	30	\$89.88
NCP-20BB	20"	10	38	\$151.00

RADIAL FLOW CARBON

The unique radial flow design offers the benefits of granular activated carbon (GAC) filtration, such as low pressure drop, while at the same time significantly reducing the release of carbon fines commonly associated with GAC-style cartridges.

Highly effective for chlorine taste and odour reduction.



2.5" DIAMETER CARTRIDGES

				43SPF1
Code	Length	Micron Rating	Rated Flow (Lpm)	Price
RFC-10	10"	-	3.8	\$62.38

4.5" DIAMETER CARTRIDGES

				43SPF1
Code	Length	Micron Rating	Rated Flow (Lpm)	Price
RFC-BB	10"	-	7.6	\$70.62
RFC20-BB	20"	-	15.1	\$134.18



BIG WHITE HEAVY DUTY

Pentair Big White Filter Housings offer the versatility to meet all of your large capacity filtration needs, including high-flow and heavy sediment applications. The extra large housing allows for greater cartridge capacity, reducing the number of vessels required for high flow-rate applications.



SUITABLE FOR 4.5" CARTRIDGES

43SPF2

Code	Length	Connections	Price
166083-PK	10"	1"	\$191.40
166142-PK	20"	1"	\$264.00
166144-PK	20"	1-1/2"	\$264.00

*Units come with a Stainless Steel bracket, screws & spanner.

BIG WHITE ACCESSORIES

43SPF2

Code	Description	Price
SH144880	BW/BC Wrench for Big Clear and Big White	\$15.55
357640	WB-SS Kit - Stainless Steel Bracket	\$50.16
144258	Twin Housing Stainless Steel Bracket	\$94.05

TRADITIONAL SLIM LINE

Pentair Slim Line Filter Housings are available in reinforced polypropylene. They are equipped with a black, reinforced polypropylene cap and offer an optional pressure relief button on the inlet side to relieve pressure inside the housing when changing filter cartridges. Ideal for applications with minimal available space.



SUITABLE FOR 2.5" CARTRIDGES

43SPF2

Code	Length	Connections	Price
158195-PK	10"	1/2"	\$67.76

*Units come with a bracket, screws & spanner.

SLIM LINE ACCESSORIES

43SPF2

Code	Description	Price
244047	SL-ZP Kit - Zinc Plated Bracket for Slim Line Housing	\$11.70
150539	SW-1A Wrench for Slim Line Housings	\$10.47



TRADITIONAL STANDARD

Pentair Standard Filter Housings are manufactured from a durable polypropylene. The reinforced polypropylene cap offers a pressure relief button on the inlet side to relieve pressure inside the housing when changing filter cartridges.



SUITABLE FOR 2.5" CARTRIDGES

43SPF2

Code	Length	Connections	Price
150067-PK	10"	3/4"	\$92.40
150069-PK	20"	3/4"	\$152.77

*Units come with a bracket, screws & spanner.

STANDARD HOUSING ACCESSORIES

43SPF2

Code	Description	Price
150295	SW-2 Wrench for Standard Housings	\$9.86
150578	MC-1A Kit - Zinc Plated Bracket for Standard Housing	\$17.86

BIG BLUE HEAVY DUTY

Pentair Big Blue and Big Black Heavy Duty Filter Housings offer the versatility to meet all of your large capacity filtration needs, including high flow and heavy sediment applications. The extra large housing allows for greater cartridge capacity, reducing the number of vessels required for high flow-rate applications.



SUITABLE FOR 4.5" CARTRIDGES

43SPF2

Code	Length	Connections	Price
150237-PK	10"	1"	\$152.90
150239-PK	10"	1-1/2"	\$158.40
150235-PK	20"	1-1/2"	\$192.50

*Units come with a Stainless Steel bracket, screws & spanner.

BIG BLUE HEAVY DUTY HOUSING ACCESSORIES

43SPF2

Code	Description	Price
150296-NP	SW-3 Wrench for 10" Big Blue	\$9.90
SH144368	SW-4 Wrench for 20" Big Blue	\$9.90
144258	Twin-Housing Stainless Steel Bracket	\$94.05
357640	WB-SS Kit - Stainless Steel Bracket	\$50.16

FILTRATION

REPLACEMENT PARTS - Cartridge & Housings



REPLACEMENT PARTS

43SPF2

Description	Code	Price
Square-Cut O-Ring for Big White Housings	151254	\$15.68
10" Big White Sump	153163	\$70.22
20" Big White Sump	153167	\$160.51
1" Big White Cap w/PR	154299	\$95.30
1-1/2" Big White Cap w/PR	154302	\$95.30
#241 O-Ring for Standard Housing	151120	\$7.52
10" Blue Sump for Standard Housings	153001	\$60.19
20" Blue Sump for Standard Housings	153013	\$109.10
3/4" Black Cap w/PR for Standard Housings	154101	\$35.11
#237 O-Ring for Slim Line	151121	\$7.52
10" Blue Sump for Slim Line Housing	153017	\$41.38
1/2" Black Cap w/PR for Slim Line	154171	\$32.60
O-Ring for Big Blue Housings	151122	\$15.68
10" Big Blue Sump	153029	\$96.56
20" Big Blue Sump	153070	\$160.51
1" Black HFPP Cap w/PR for Big Blue Housings	154166	\$127.91
1-1/2" Black HFPP Cap w/PR for Big Blue Housings	154167	\$131.67
Pressure Relief Button Kit for all models	151039	\$8.15

UV REPLACEMENT PARTS

43SPF3

Description	Code	Price
Replacement Ballasts for Greenway UV	GW_BA40S	\$417.50
Greenway Replacement Lamp for Gauv10s	GW_GUVL10S	\$137.50
Replacement Quartz Sleeve for Gauv10s/2a	GW_GQS10/20	\$118.80
O Ring for Quartz Sleeve Greenway	GW_OR118	\$11.00
Greenway Replacement Lamp for Gauv15s	GW_GULV15S	\$159.50
Replacement Quartz Sleeve for Gauv15s/2a	GW_GQS-15/32	\$135.30
Greenway High Output Ballast for Gauv32h	GW_BA95HW	\$475.20
Greenway Retro-Kit Ballast VU-Cap Lamp	GW_RETROKIT	\$528.00



TWIN HOUSING JUMBO ASSEMBLIES

KEY FEATURES

- Large capacity housing suitable for high flow applications.
- Available in 10 inch and 20 inch lengths.
- Pressure relief/bleed on inlet side of cap.
- Accepts up to 4½ inch diameter cartridges.
- A sturdy stainless steel bracket.
- Drinking water approved shut off valve.
- **Temperature Rating:**
4.4°C – 37.8°C.
- **Maximum Pressure:**
10" - 100 psi (6.9 bar) / 20" - 90 psi (6.2 bar).



SUITABLE FOR 4.5" CARTRIDGES

43SPF2

Code	Length	Connections	Price
Twin-166083	10"	1"	\$467.50
Twin-166142	20"	1"	\$616.00
Twin-166144	20"	1-1/2"	\$616.00

FILTRATION

WHOLE HOUSE FILTRATION SYSTEMS

SF SERIES

Effectively remove sediment, scale and rust, sand and algae with the 'SF' series filtration systems. Also great for the food industry, pre-filtration ahead of reverse osmosis and UV applications.

Includes: Twin jumbo housing assembly, cartridges, S/S bracket, screws, spanner and shut off valve.



SF SERIES

43SPF2

Code	Rated Flow (Lpm)	Length	Connections	Price
SF2-10	40	10"	1"	\$547.31
SF2-15	80	20"	1"	\$700.32
SF2-20	80	20"	1-1/2"	\$712.09

SF SERIES REPLACEMENT CARTRIDGES

System	First Stage Code
SF2-10	20PP10BB (Poly Pleated 20 micron)
SF2-15 & SF2-20	20PP20BB (Poly Pleated 20 micron)

Code	Second Stage Code
SF2-10	DGD-2501 (Polyspun 1 micron)
SF2-15 & SF2-20	DGD-2501-20 (Polyspun 1 micron)

FILTRATION

WHOLE HOUSE FILTRATION SYSTEMS - TH Series



Effectively reduce chlorine with genuine Pentek cartridges in the new 'TH' series.

TH1-10

The TH1-10 is a very effective solution for general purpose filtration and reducing chlorine, taste and odour. Resulting in crisp water throughout your home.

Includes: Single 10" Housing jumbo, cartridge, S/S bracket, screws and spanner.



TH1-10					43SPF2
Code	Rated Flow (Lpm)	Length	Connections	Price	
TH1-10	7.6	10"	1"	\$276.60	

TH1-15/20

The TH1-15/20 is a very effective solution for general purpose filtration and reducing chlorine, taste and odour. Resulting in crisp water throughout your home.

Includes: Single 20" housing jumbo, cartridge, S/S bracket, screws and spanner.



TH1-15/20					43SPF2
Code	Rated Flow (Lpm)	Length	Connections	Price	
TH1-15	15.2	20"	1"	\$382.53	
TH1-20	15.2	20"	1-1/2"	\$382.53	

TH2-10

The TH2-10 are an ideal choice for economical sediment filtration and reducing chlorine, taste and odour. These systems also improve the life of household appliances.

Includes: Twin 10" jumbo housing assembly, cartridges, S/S bracket, screws, spanner and shut off valve.



TH2-10					43SPF2
Code	Rated Flow (Lpm)	Length	Connections	Price	
TH2-10	7.6	10"	1"	\$564.96	

TH2-15/20

The TH2-15/20 are an ideal choice for economical sediment filtration and reducing chlorine, taste and odour. These systems also improve the life of household appliances in higher demand applications.

Includes: Twin 20" jumbo housing assembly, cartridges, S/S bracket, screws, spanner and shut off valve.



TH2-15/20					43SPF2
Code	Rated Flow (Lpm)	Length	Connections	Price	
TH2-15	15.2	20"	1"	\$788.59	
TH2-20	15.2	20"	1-1/2"	\$788.59	

TH SERIES REPLACEMENT CARTRIDGES

Model	First Stage	Second Stage
TH1-10	EPM-BB (Carbon Block 10 micron)	-
TH1-15 & TH1-20	EPM-20BB (Carbon Block 10 micron)	-
TH2-10	DGD-5005 (Polyspun 5 micron)	EPM-BB (Carbon Block 10 micron)
TH2-15 & TH2-20	DGD-5005-20 (Polyspun 5 micron)	EPM-20BB (Carbon Block 10 micron)



FILTRATION

HYDRASMART SERIES - Softeners & Water Filter

WATER SOFTENING

Enjoy the peace of mind benefits which come with installing the Pentair HydraSmart Water Softener to your household. By reducing the hardness in your water with the HydraSmart Series Softener you'll notice benefits throughout the entire household.

KEY FEATURES

- Automatic regeneration according to actual usage maintains quality of water.
- Continuous 8-steps regeneration ensures high quality water with no residues.
- 3 adjustable salt levels allow user to minimise salt wastage and save hundreds of dollars every year.
- Built-in bypass feature allows flexible adjustment of water hardness and provides easy installation and maintenance.

Comes in two models suitable for small to medium and medium to large households.

WATER FILTER

The new Pentair HydraSmart Series Water Filter is a great solution for households with water troubles such as, sediment, chlorine, taste and odours and removing soluble heavy metals. With the fully automated control system, you can sit back and relax knowing your entire household will be supplied with crisp clean water from the tap.

KEY FEATURES

- Fully automated smart control system accurately controls backwash time according to user preference, giving you peace of mind.
- Effectively removes dirt, sediment, colour, chlorine, taste and odours as well as prevents buildup, the growth of algae and fungi and removes soluble heavy metals.
- Full display interface for easy viewing of information.
- High quality granular activated carbon.

Suitable for small to medium households.



PERFORMANCE TABLE

Model	Flow Rate	Total Capacity	Connection	Resin Volume	Drain Line	Dimensions (W x D x H)	Operating Pressure
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SOFTENERS

PWCE35P12	33 l/min	15,000 m ³	1" BSP	30 l	1/2"	532 x 314 x 1230mm	1.4 – 3.5 bar
PWCE54P12	50 l/min	20,000 m ³	1" BSP	40 l	1/2"	Main body – 275 x 275 x 1620 mm Salt tank – 325 x 325 x 1000 mm	1.4 – 3.5 bar

Model	Flow Rate	Total Capacity	Connection	Media Volume	Drain Line	Dimensions (W x D x H)	Operating Pressure
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WATER FILTER

PCFE40P12	33 l/min	15,000 m ³	1" BSP	10kg + 0.4kg + 8kg	1/2"	266 x 333 x 1213 mm	1.4 – 3.5 bar
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HYDRASMART SERIES PRICING

Model	Code	Price
HydraSmart Water Softener – Small	PWCE35P12	\$2,569.00
HydraSmart Water Softener – Large	PWCE54P12	\$3,158.00
HydraSmart Water Filter - Small	PCFE40P12	\$2,315.00

FILTRATION

GRO-2550 - Reverse Osmosis Drinking Water System



HIGH RECOVERY GRO BASED SYSTEM

The Pentair GRO-2550 system includes the high recovery GRO-50 encapsulated membrane. The system includes a 5 micron sediment and carbon block prefilter that reduces sediment and odor and improves taste.

The carbon and sediment prefilters reduce the particles and chlorine taste and odor to prolong the life of the RO membrane. The RO membrane separates water molecules from dissolved salts and minerals. The RO filtered water is sent to the storage tank until you need it. When you turn on the drinking water faucet, the filtered water from the storage tank is sent through a carbon polishing filter which provides final taste and odor filtration before the water reaches your glass. Cleaner, fresher water whenever you want it!

KEY FEATURES

- Includes 50 gallon per day high recovery GRO reverse osmosis encapsulated membrane
- Water on demand delivered from a storage tank
- Encapsulated element for simplified replacement
- Meltblown sediment depth prefilter
- Extruded carbon block prefilter
- Reduces salts, dissolved minerals, and bad taste and odour
- Designed for chlorinated and non-chlorinated potable drinking water
- Drinking water faucet with air gap
- NSF Certified for materials and performance
- 3/8" tubing to the faucet for high flow

APPLICATIONS

- Point-of-use drinking water
- Undersink installations
- Refrigerator icemaker
- Effective for nitrate, arsenic and fluoride removal



PERFORMANCE

System Production Rate: 10.09 gpd (38.19 Lpd)

Recovery Rating: 31.76%

Efficiency Rating: 15.39%

TDS Rejection: 96.8%

EPA EST. NO. 082989-CHN-001



System Tested and Certified by NSF International against NSF/ANSI Standard 58, and CSA B483.1 for the reduction of the claims specified on the Performance Data Sheet.

GRO-2550

Substance	Influent Challenge Concentration	Max. Permissible Product Water Concentration	Reduction Requirements	Average Reduction
Standard 58				
Total Dissolved Solids	750 ± 40 mg/L	187 mg/L		96.8%
Cysts*	Minimum 50,000/ml		99.955%	>99.99%

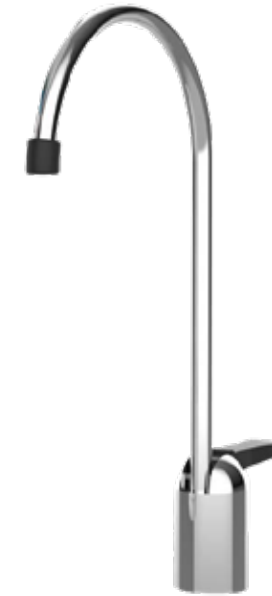
** NSF/ANSI Standard 58 certified to reduce cysts such as *Cryptosporidium* and *Giardia* by mechanical means.

GRO-2550 PRICING

Description	Code	Price
Reverse Osmosis 4 stage with GRO Membrane	GRO-2550	\$850.00

GRO-2550 REPLACEMENT PARTS

Description	Model	Code	Price
Stage 3, 50 GPD encapsulated GRO reverse osmosis membrane w/DLFC	GRO-50EN	4004424	\$225.00
Stage 1 Sediment Pre-Filter, 5 Micron	P5 Spun Polypropylene	155014-43	\$9.77
Stage 2 Carbon Block Pre-Filter	EPM-10	155634-43	\$27.07
Stage 4 GAC Post Filter	GS-10RO-B	255521-41 G	\$55.00



FILTRATION

FRESHPOINT F1000 - Undersink Filtration

SINGLE STAGE FILTRATION SYSTEM

Pentair FreshPoint Drinking Water Systems deliver proven filtration in a snap. Our unique "click and enjoy" design simplifies cartridge exchange with technology certified to provide excellent water. The F1000 is a single-stage filtration system that is certified to reduce several contaminants.

KEY FEATURES

- Effortless click-in cartridge change-outs.
- Built-In check valve system means no need to turn off water for cartridge change-outs.
- 3/8" push fittings for easy installation.
- NSF 42 certified.
- 12 month life.

APPLICATIONS

- Drinking Water.

MODELS

- F1000-B1B, Advanced chemical reduction.

INCLUDES

- Side faucet.
- Installation kit.
- Installation and operation manual.

REPLACEMENT CARTRIDGE

- For F1000-B1B: F1B1-RC/55120-96

PERFORMANCE TABLE

Model	Inlet Size	Dimensions (mm)	System Weight (lbs)	Micron Rating	Approx. Filter Life*	Capacity (L)	System Production Rate (lpm)	Feed Pressure Range** (psi)	Temperature Range (°C)
F1000-B1B	3/8" QC	317 x 203 x 133	4.50	0.50 (F1000-B1B only)	Up to 1 Year	2840	2.3	40 - 100	4.4 - 37.8

Substance Reductions Claims

Chlorine Taste and Odour, Lead, Atrazine, Lindane, Nominal Particulate, Class I, Cyst: NSF/ANSI Standard 53 certified to reduce cysts such as *Cryptosporidium* and *Giardia* by mechanical means.

* Filter life dependent on gallon usage and overall incoming water quality.

** Pressure reducing valve recommended when inlet pressure is greater than 100psi.

FRESHPOINT F1000 PRICING

Description	Model	Code	Price
FreshPoint F1000 Single Stage Filtration System	F1000-B1B	158838	\$298.96
FreshPoint F1000 Replacement Cartridge	F1B1-RC	655120-96	\$84.74

FILTRATION

FRESHPOINT F2000 - Undersink Filtration

TWO STAGE FILTRATION SYSTEM

Pentair FreshPoint Drinking Water Systems deliver proven filtration in a snap. Our unique "click and enjoy" design simplifies cartridge exchange with technology certified to provide excellent water. The F2000 is a two-stage filtration system that reduces several contaminants, including lead.

KEY FEATURES

- Effortless click-in cartridge change-outs.
- Color-coded cartridges maintain proper filter sequence.
- 3/8" push fittings for easy installation.
- Optional filter life monitor provides visual filter replacement notification (Model F2000-B2M only).
- NSF 42/53 certified.
- 12 month life.

APPLICATIONS

- Drinking Water.

MODELS

- F2000-B2B.

INCLUDES

- Side faucet.
- Installation kit.
- Installation and operation manual.



REPLACEMENT CARTRIDGE

- F2B2-RC2/655126-96 (Twin Pack)

PERFORMANCE TABLE

Model	Inlet Size	Dimensions (mm)	System Weight (lbs)	Micron Rating	Approx. Filter Life*	Capacity (L)	System Production Rate (lpm)	Feed Pressure Range** (psi)	Temperature Range (°C)
F2000-B2B	3/8" QC	317 x 203 x 133	4.50	0.50	Up to 1 Year	2460	2.3	40 - 100	4.4 - 37.8

Substance Reductions Claims

Chlorine Taste and Odour, Lead, Atrazine, Lindane, Nominal Particulate, Class I, VOC's, Cyst: NSF/ANSI Standard 53 certified to reduce cysts such as *Cryptosporidium* and *Giardia* by mechanical means.

* Filter life dependent on gallon usage and overall incoming water quality.

** Pressure reducing valve recommend when inlet pressure is greater than 100psi.

FRESHPOINT F2000 PRICING

Description	Model	Code	43SPF2
			Price
FreshPoint F2000 Two Stage Filtration System	F2000-B2B	158839	\$599.09
FreshPoint F2000 Replacement Cartridge	F2B2-RC2	655126-96	\$167.13

*** Two cartridges.



QUICK REFERENCE CHART



Applications	Simer	U3, U5, U6KS	U3KS Special	US 62, 102ES	PRIX Range	Vip Vort	Compac	VF150	SP420
Page Number	32	33	33	34	35	42	41	38	43
Ponds and fountains		X	X	X	X	X	X	X	
Lift well drainage	X	X					X	X	
Salt water 10% max			X						
Water treatment circulation		X	X		X			X	
Pit drainage few solids		X	X	X	X	X	X		
De-watering (clean water)	X	X	X	X	X	X	X	X	X
Septic tank discharge		X	X			X		X	X
Grey water		X	X	X	X	X	X	X	

Pump Information

Voltage	240	240	240	240	240 / 415	240	240	240	240
Control*	M & P	FA	FA	FA	FA	F	IF	F	F
Impeller Type	Vortex	Vortex	Vortex	Vortex	Vortex	Vortex	-	Vortex	-
Passage (mm)	0	U3 - 10 U5 - 10/20 U6 - 10/20	10	10 - 50	40 - 50	10	5	10	2
Maximum Flow Range (l/m)	60	U3 - 99.6 U5 - 182.6 U6 - 249	99.6	464	99.6	99.6	170	120	100
Maximum Head (m)	6	U3 - 6 U5 - 11 U6 - 15	6	12	18	5	10	6	30

* M = Manual F = Float FA = Float Arm P = Probe

DRAINAGE

WCFIX Plus - Compact Sewage Lifting Station

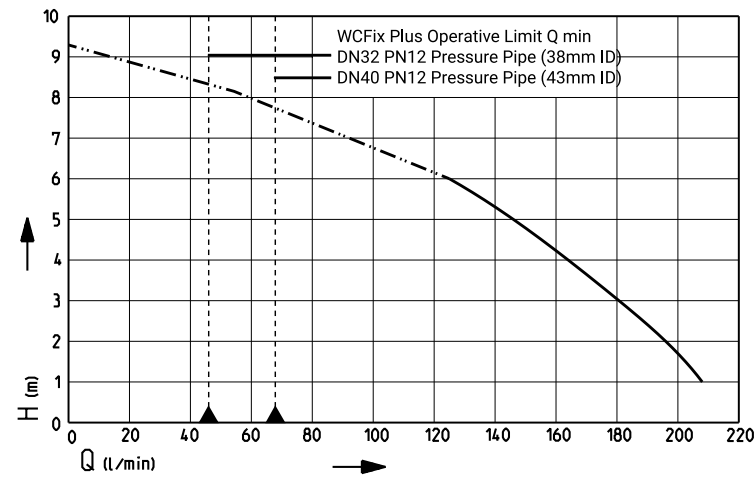


Your best solution to discharging wastewater where there is no direct access to the main sewage pipe.

The WCFIX Plus offers an ideal solution to pumping out domestic effluent from remote areas that has limited or no direct access to the main sewage pipe line. Up to 19 mm free passage, it can easily discharge wastewater that includes toilet paper and faeces

KEY FEATURES

- Suitable for toilet flush volume of minimum 6 liters or greater
- Compact and sophisticated design with easy-to-clean surfaces
- Ventilation valve with activated carbon filter
- Powerful yet quiet motor
- Acoustic alarm to signal faults including blockage
- Up to 19 mm free passage comfortably discharging toilet paper and faeces
- For installation behind a front-wall or with a direct connection (to the toilet)
- Easy disassembly of the motor with no need to empty the pressure pipe



PERFORMANCE TABLE

Model	H Max.	Q Max.	Voltage	P1	P2	Current	Enclosure Type	Motor Protection	Plug	S3
WCFIX Plus	9 m	208 l/min	230VAC 50Hz	0.73 kW	0.47 kW	3.2 A	IP44	Installed in the winding	ANZ 10A	30%

WCFIX PLUS PRICING

Model	Code	Price
WCFIX Plus	JP47402	\$1,678.16



DRAINAGE

SIMER - Submersible Utility Pump



KEY FEATURES

- Removes water down to a level of 2 mm.
- Robust cast aluminium housing.
- Manual pump - self-venting. Can operate at a water level of 5 mm.
- Suitable for continuous operation.
- Replaceable cable inlet.
- Maximum head – 6 m.
- Maximum flow – 62 lpm.

APPLICATIONS

Drainage of: Cellars, swimming pools, flat roofs, wastewater from building works.

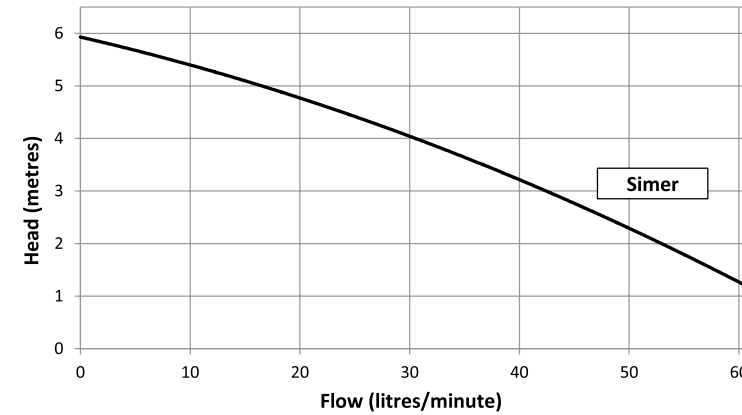
PUMP CONSTRUCTION AND MATERIALS

Vertical, single-stage, submersible, strainer with 2 mm mesh, spiral casing with hose connections of ½", ¾" and 1". Hydraulics driven by dual blade open impeller.

- Pump casing: Aluminium – stove enameled.
- Impeller: Die cast zinc.
- Strainer: Plastic.
- Seal: Mechanical seal.

OPERATING CONDITIONS

Drainage pump for the disposal of faecal free waste water, including rainwater and lightly polluted water.



PERFORMANCE TABLE

Model	Delivery Head (m)	1	2	3	4	5
Simer	Flow Rate (lpm)	62	53	44	30	16

SIMER PRICING

Model	Code	Price
Simer	OD6601AU-05	\$463.22
Simer Auto	Simer-A	\$670.11

DRAINAGE

HEBEFIX - Above Floor Tank

The Hebefix above-floor tank is the ideal solution if a washbasin or sink is to be installed and there is no waste water pipe nearby. It is quick to install and offers ideal solutions in combination with the U3KS, U3KS special or U5KS drainage pumps.

The drainage pump intended for the Hebefix is connected to the prepared pipe connection and automatically pumps the incoming grey water to the next disposal pipe. The tank has four inlet sleeves. This means that a drain can be created at any desired location, even below the backwater level, without costly bricklaying work. By means of the lower additional inlets on both sides (H=100 mm) and a special float for lower switching heights (U3 only), a backflow-proof shower can be connected.

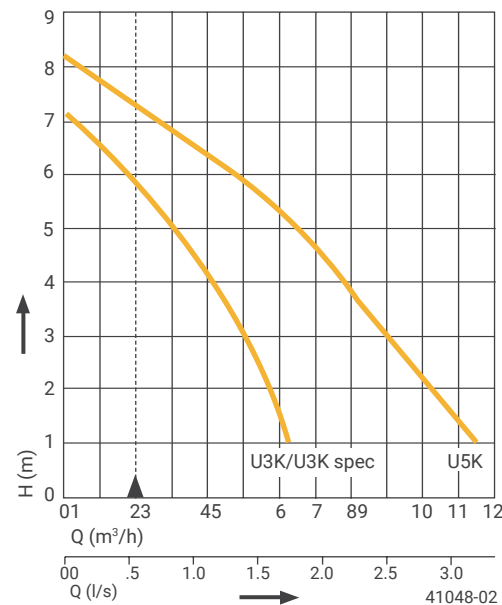
The supplied activated carbon filter reduces odours. The installation of an alarm unit is recommended. The automatic alarm AGR or AWR (alarm device with washing machine cutoff) signalizes an unacceptably high water level and the AWR switches off the connected machine. If the special float is installed at the same time, the special fastener for alarm is required.

KEY FEATURES

- Disposal of dirty water from hand basin, shower, bathtub and washing machine
- Easy opening of the cover without dismantling a siphon or an inlet pipe
- Wall or floor installation
- Pressure pipe on the right or left side
- Alarm system possible

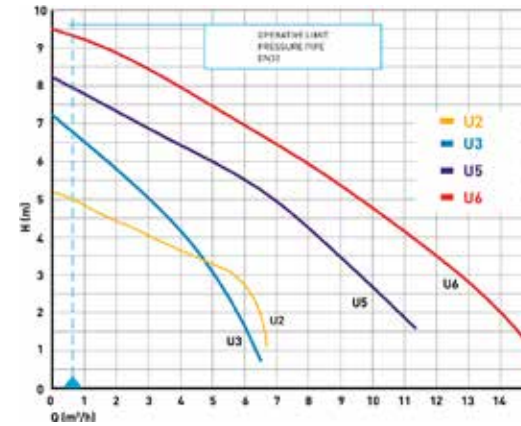
THE SCOPE OF SUPPLY

Plastic tank (ABS) without pump with integrated connection hose, clamps, swing-type check valve R32, activated carbon filter, rubber feet and wall attachment parts. The unit is in conformity with the specification of EN 12050.



DRAINAGE

U2-U3-U5-U6 - Vortex Sump Pump



Proven millions of times over, handling domestic waste water is no trouble at all for the UK series of submersible pumps. Special design features make these pumps extremely versatile.

A flushing device which can be activated to keep chambers clean. The integrated low level pumping feature offers great advantages when emptying flooded rooms and the EIP technology provides enhanced operational reliability where there are solid particles in the pumping medium. The variable discharge branch allows great freedom when installing the pump and the swing-type check valve provided for mobile operation prevents unintentional emptying of the hose.

All components which come into contact with the pumping medium are made of Stainless Steel or plastic.

Installed as stationary units in a sump or collecting chamber, they reliably dispose of waste water and prevent back pressure. They also come into their own in mobile applications, such as in the garden or when flooding occurs.

KEY FEATURES

- For saline solutions up to 10% salinity (U3KS special).
- 10mm / 20mm free passage.
- Flushing device.
- SiC mechanical seal.
- Continuous operation.
- Moisture sealed cable inlet.
- Low level pumping.
- Replaceable sealed cable inlet.

PERFORMANCE TABLE

Model	H Max.	Q Max	Free Passage	Voltage	P1	P2	Current	Motor Protection
U2KS	5 m	180 l/m	10 mm	240 V	0.3	0.2	1.2 A	Integrated
U3KS	7 m	110 l/m	10 mm	230 V	0.32	0.20	1.4 A	Integrated
U3KS Special	7 m	110 l/m	10 mm	230 V	0.32	0.20	1.4 A	Integrated
U5KS	8 m	190 l/m	10/20 mm	230 V	0.52	0.38	2.3 A	Integrated
U6KS	9.5 m	260 l/m	10/20 mm	230 V	0.75	0.49	3.3 A	Integrated
U6DS	9.5 m	260 l/m	10/20 mm	415 V	0.75	0.55	1.3 A	Integrated

U2-U3-U5-U6 VORTEX SUMP PUMP PRICING

Model	Code	Price	43SP10
U2KS	JP50027	\$402.21	
U3KS	JP09484	\$563.22	
U3KS Special	JP44084	\$633.33	
U5KS	JP44091	\$663.22	
U6KS	JP44085	\$755.17	
U6DS	JP09261	\$788.51	

PERFORMANCE TABLE

Model	Tank Capacity	Weight
Hebefix	26l	3.2kg

HEBEFIX PRICING

Model	Code	Price	43SP10
Hebefix Empty	JP50210	\$842.53	
Hebefix + U3KS	JPHEBEK	\$1,405.75	
Hebefix + U3KS Special	JPHEBEKS	\$1,475.86	
Hebefix + U5KS	JPHEBE5KS	\$1,505.75	

ACCESSORIES - Special Floats

SPECIAL FLOAT FOR LOW SWITCHING POINTS

Where drainage points are particularly near the ground, such as in showers or where residual water levels are extremely low.

Model	Switch-on & switch-off Heights		Code	Price
	ON	OFF		
Jung Special Float - U3	105 mm	45 mm	JP44795	\$110.23
Jung Special Float - U5	90 mm	40 mm	JP44207	\$159.22
Jung Special Float - U6	130 mm	80 mm	JP44207	\$159.22

SPECIAL FLOAT FOR NARROW SUMPS

If space is at a premium (at least 30 x 30 cm), this compact float switch really comes into its own.

Model	Code	Price
Jung Special Float - Narrow Chamber	JP40856	\$67.59

DRAINAGE

US SERIES – Drainage Pumps for Wastewater

The submersible drainage pumps of the US range provide a reliable solution for all types of faecal-free waste water.

These pumps use high-performance motors, hydraulics which are specially adapted to the pumping medium and high-quality materials.

The US62 to US102 pumps offer a free passage of 10 mm particle size to convey waste water from dishwashers or washing machines.

The submersible drainage pump US103 is used when a larger free passage of up to 30 or 40 mm particle size is required.

The range is rounded off with the US75 to US155 range with a free passage of 50 mm particle size.

Standard features of the dry running safe pumps are a controllable oil chamber, a wear resistant silicon carbide mechanical seal and a permanently lubricated roller bearing to ensure a long service life.

KEY FEATURES

- Safe to run dry.
- Free standing.
- 50 mm free passage.
- Controllable oil chamber.
- SiC mechanical seal independent of rotation direction.
- Replaceable moisture sealed cable inlet.
- Guide rail systems available.

APPLICATIONS

- Domestic waste water (without faecal matter).
- Rainwater.
- Drainage.
- Contaminated water (course solids).
- Fibrous waste water.

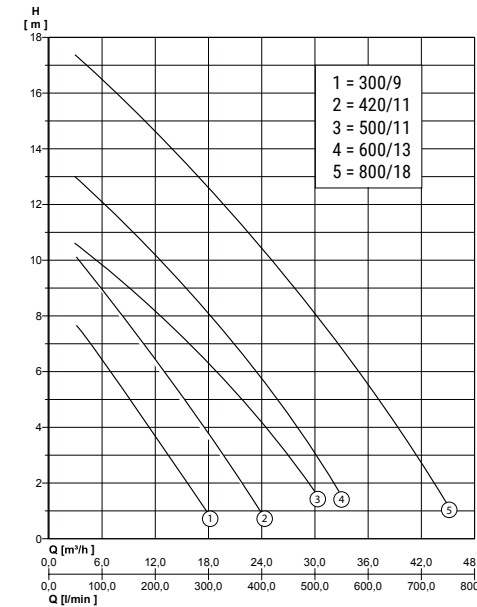
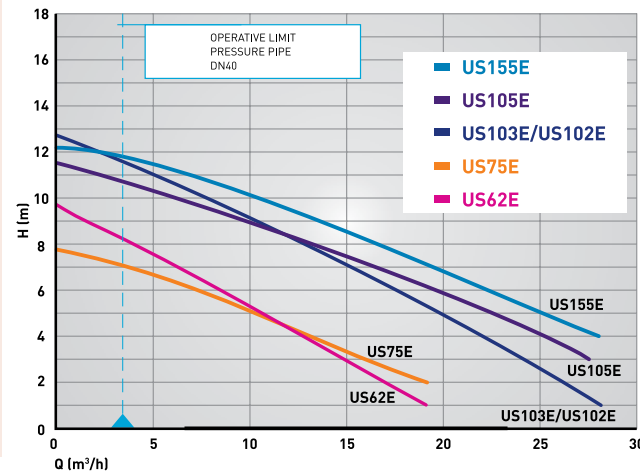
PERFORMANCE TABLE

Model	H Max.	Q Max.	Free Passage	Voltage	P1	P2	Current	Motor Protection	Plug
US 62 ES	9.5 m	19 m³/h	10 mm	1/N/PE-230 V	0.83 kW	0.50 kW	3.9 A	Integrated	Safety
US 102 ES	12.5 m	28 m³/h	10 mm	1/N/PE-230 V	1.37 kW	0.98 kW	6.0 A	Integrated	Safety
US 103 ES	12.5 m	28 m³/h	30 mm	1/N/PE-230 V	1.37 kW	0.98 kW	6.0 A	Integrated	Safety
US 75 ES	7.5 m	20 m³/h	50 mm	1/N/PE-230 V	0.83 kW	0.50 kW	3.9 A	Integrated	Safety
US 105 ES	11.5 m	28 m³/h	50 mm	1/N/PE-230 V	1.37 kW	0.98 kW	6.0 A	Integrated	Safety
US 155 ES	13 m	32 m³/h	50 mm	1/N/PE-230 V	1.60 kW	1.21 kW	7.5 A	Integrated	Safety
US 73 HES High Temp 90°C	7.5 m	20 m³/h	30 mm	1/N/PE-230 V	0.83 kW	0.50 kW	3.9 A	Integrated	Safety
US 103 HES High Temp 90°C	12.5 m	28 m³/h	30 mm	1/N/PE-230 V	1.37 kW	0.98 kW	6.0 A	Integrated	Safety

US SERIES PRICING

Model	Code	Price
US 62 ES	JP44234	\$1,279.31
US 102 ES	JP44176	\$1,383.91
US 103 ES	JP44237	\$1,487.36
US 75 ES	JP44089	\$1,479.31
US 105 ES	JP44177	\$1,557.47
US 155 ES	JP44197	\$2,080.46
US 73 HES High Temp 90°C	JP44086	\$1,664.37
US 103 HES High Temp 90°C	JP44326	\$1,782.76

Note: 40mm/50mm Guide Rail Systems available.



PERFORMANCE TABLE

Model	Voltage (V)	Motor Rating (kW)		Current (A)	Free Passage (mm)	Weight (kg)	Delivery Head (m)																					
		P1	P2				2	3	4	5	6	7	8	9	10	11	12	14	16									
PRIXO 300/9 M AUT	1/N/PE~230	0.90	0.60	4.10	40	9.6	15.6	13.5	11.6	9.0	6.8	4.7	2.7															
PRIXO 420/11 M AUT	1/N/PE~230	1.30	0.90	6.00	40	11.2	21.5	19.6	17.8	15.5	13.0	10.5	8.1	5.7	3.5													
PRIXO 500/11 M AUT	1/N/PE~230	1.55	1.00	7.00	50	11.7	29.1	26.8	24.3	21.5	18.8	15.8	12.5	9.0	5.5													
PRIXO 600/13 T	3/N/PE~400	1.80	1.20	3.10	50	12.6	32.1	30.0	28.0	25.5	23.2	20.5	18.2	15.1	12.5	9.7	6.3											
PRIXO 800/18 T	3/N/PE~400	3.00	2.40	5.50	50	20.2			39.0	36.9	34.8	31.0	30.0	27.5	25.0	22.8	19.9	14.0	7.8									

PRIXO DRENA-LINE PRICING

Model	kW/Ø	With Level Control		Manual Pump	
		Code	Price	Code	Price
PRIXO 300/9 30mm Passage	0.60/1Ø	P2110220	\$1,020.02	-	-
PRIXO 420/11 30mm Passage	0.90/1Ø	P2110230	\$1,095.31	-	-
PRIXO 500/11 50mm Passage	1.00/1Ø	P2110240	\$1,240.51	-	-
PRIXO 600/13 50mm Passage	1.20/3Ø	-	-	N2110060	\$1,383.93
PRIXO 800/18 50mm Passage	2.40/3Ø	-	-	N2110130	\$2,106.37

DRAINAGE

PRIXO DRENA-LINE – Vortex Wastewater Pump

The PRIXO series is a submersible wastewater pump that is suitable for pumping dirty water containing a limited amount of solids. With a powerful vortex impeller the PRIXO is able to deliver a maximum head of 18m and maximum flow of 800 lpm.

Available in both automatic for single phase or manual for 3 phase models.

The PRIXO series of pumps are made completely from high quality stainless steel to provide excellent corrosion resistance and robustness. Built-in thermal overload on single phase models provide effective protection against overload.

Fitted with a Vortex impeller, the PRIXO is designed for pumping wastewater containing particles up to 50mm in diameter. Single phase models are equipped with float switches for automatic on/off operation.

KEY FEATURES

- Automatic float switch for 1Ph models.
- Constructed of AISI 304.
- Large free passage up to 50 mm.
- Reliable vortex impeller.
- Hmax = 18m; Qmax = 800 lpm
- 5 models available.

APPLICATIONS

- Groundwater transfer.
- Emptying residential sumps and sewage tanks.
- Transferring wastewater from kitchen sinks, laundry or baths to higher sewage lines.
- Emptying tanks or reservoirs.
- Removing water from drainage collecting pits.
- Draining of flooded buildings or cellars.
- Pumping of black water (wastewater with toilet discharge).
- Pumping liquids containing long fibrous materials.
- Pumping liquid containing solids larger than maximum recommended particle size.

DRAINAGE

VF150 - Cast Iron Vortex Submersible Pump



KEY FEATURES

- Strong durable cast iron pump body.
- 15mm soft solids passable.
- Vortex impeller.
- Lip seal and dual mechanical seal.
- Float switch.
- Moisture sealed cable inlet.
- Max head – 7m.
- Max flow – 150lpm.

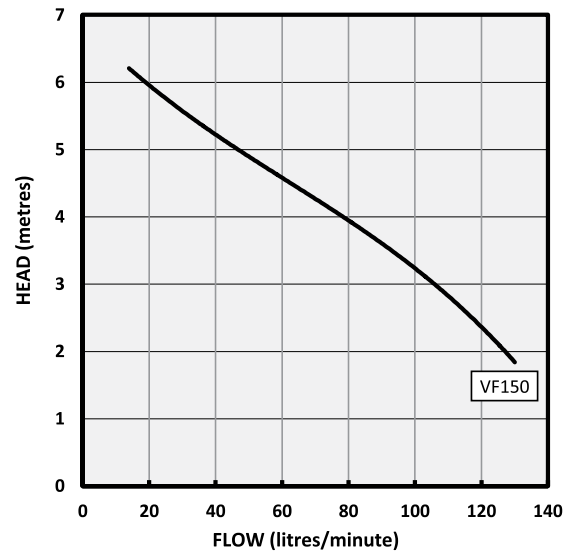
APPLICATIONS

- Disposal of waste water, septic effluent water and grey water of a neutral pH.
- De-watering (clean water).
- Water treatment circulation.

OPERATING CONDITIONS

Drainage pump for the disposal of waste water, including rainwater, septic effluent water and grey water of neutral pH containing soft particles up to 15mm diameter. Install pump vertically (hose connection possible).

- **Fluid:** Water.
- **Maximum water temperature:** 40°C.
- **Minimum water temperature:** 1°C.
- **Maximum submergence:** 6m.
- **Pump on level (factory set):** 500mm.
- **Pump off level:** 75mm.



ELECTRICAL DATA

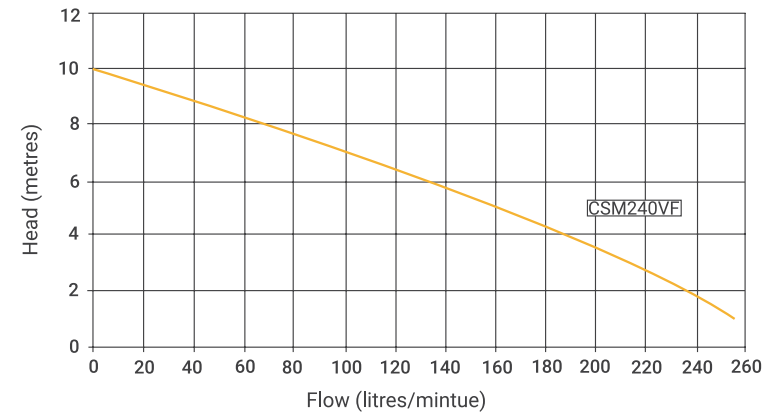
Model	Type of current	Voltage	Frequency Hz	Motor Rating (kW)		RPM min	Locked Rotor Current Ampere	Current Ampere	Cable Length
				P1	P2				
VF 150	1-phase	230	50		0.18	2850	9.5	1.75	6 m

PERFORMANCE TABLE

Model	Delivery Head (m)	1	2	3	4	5	6
VF 150	Flow Rate Capacity (lpm)	-	128	106	78	47	19

VF150 PRICING

Model	Code	Price
VF 150	VF150	\$417.38



CSM240VF - Cast Iron Vortex Submersible Pump

DRAINAGE

KEY FEATURES

- 10mm free passage.
- Vortex impeller.
- Carbon ceramic mechanical seal.
- Auto cut out switch.
- Thermal overload protection.
- Float switch.
- Moisture sealed cable inlet.
- Max head -10m.
- Max flow - 250lpm.

APPLICATIONS

- Disposal of non contaminated rain, waste and ground water such as from a pit.
- Dewatering (clean water).
- Water treatment circulation.
- Grey water.
- Commercial ponds and fountains.

PUMP INFORMATION

Vertical, single-stage, submersible with 10mm free passage. Cast iron vortex impeller, casing and feet with 2" BSP (female) discharge port. 304SS motor casing.

- **Pump casing:** Cast iron.
- **Impeller:** Cast iron.
- **Motor shaft:** 410SS.
- **Mechanical seal:** Carbon ceramic mechanical seal with oil chamber and primary lip seal.
- **IP Rating:** IP68.

OPERATING CONDITIONS

Drainage pump for the disposal of faecal free waste water, including rainwater, non contaminated waste and ground water containing particles up to 10mm. Install pump vertically (hose connection possible).

ELECTRICAL DATA

Model	Type of current	Voltage	Frequency Hz	Motor Rating (kW)	RPM min	Current Ampere	Motor Protection	Insulation Class	Cable Quality	Cable Length
				P1						
CSM240VF	1-phase	230	50	0.40	2850	2.7 A	Thermal	B	H07RN-F	10 m

PERFORMANCE TABLE

Model	Delivery Head (m)	1	2	3	4	5	6	7	8	9
CSM240VF	Flow Rate Capacity (lpm)	255	236	215	189	161	133	100	65	32

CSM240VF PRICING

Model	Code	Price
CSM240VF	CSM240VF	\$1,056.32

DRAINAGE

CSM500V - Cast Iron Vortex Submersible Pump



KEY FEATURES

- 30mm free passage.
- Vortex impeller.
- SiC / SiC mechanical seal.
- Auto cut out switch.
- Thermal overload protection.
- Float switch.
- Moisture sealed cable inlet.

APPLICATIONS

- Disposal of non contaminated rain, waste and ground water such as from a pit.
- Dewatering (clean water).
- Water treatment circulation.
- Grey water.
- Commercial ponds and fountains.

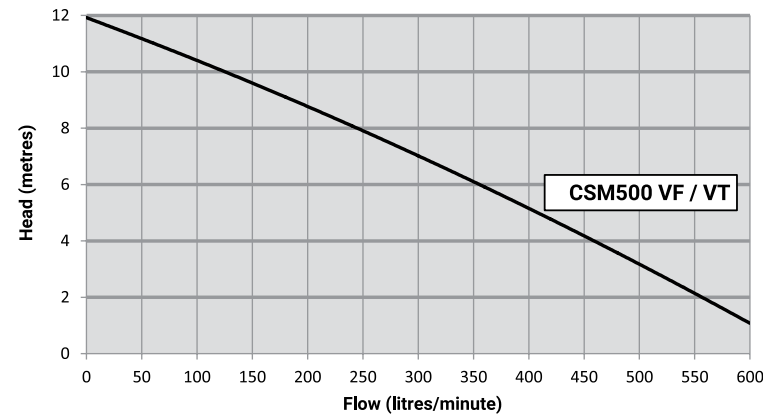
PUMP INFORMATION

Vertical, single-stage, submersible with 30mm free passage. Cast iron vortex style impeller, and casing with 3" BSP (female) discharge port. 304SS motor casing.

- **Pump casing:** Cast iron.
- **Impeller:** Cast iron.
- **Motor shaft:** 410SS.
- **Mechanical seal:** Carbon ceramic mechanical seal with oil chamber and primary lip seal.
- **IP Rating:** IP68.

OPERATING CONDITIONS

Drainage pump for the disposal of faecal free waste water, including rainwater, non contaminated waste and ground water containing particles up to 30mm. Install pump vertically (hose connection possible).



ELECTRICAL DATA

Model	Type of current	Voltage	Frequency Hz	Motor Rating (kW)	RPM min	Current Ampere	Motor Protection	Insulation Class	Cable Quality	Cable Length
				P1						
CSM500VF	1-phase	230	50	0.75	2850	5.3 A	Auto	B	H07RN-F	10 m
CSM500VT	3-phase	400	50	0.75	2850	2.0 A	Auto	B	H07RN-F	10 m

PERFORMANCE TABLE

Model	Delivery Head (m)	Flow Rate Capacity (lpm)										
		1	2	3	4	5	6	7	8	9	10	11
CSM500VF / VT	Flow Rate Capacity (lpm)	-	555	505	455	400	355	305	250	194	125	60

CSM500V PRICING

Model	Code	43SP8
		Price
CSM500VF	CSM500VF	\$1,995.40
CSM500VT	CSM500VT	\$1,916.09



DRAINAGE

COMPAC 200 - Garden Pump

A high performance submersible pump for clean water designed to drain standing water and domestic waste water, empty flooded rooms and draw water from wells, basins and cisterns. Flotec Compac pumps are ideal for limited spaces.

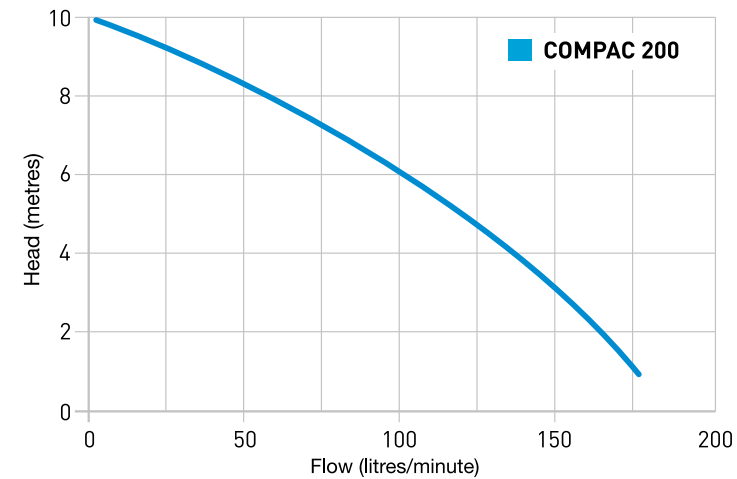
Complete with integral float switch, which can be selected in automatic or manual mode. In automatic mode the Flotec Compac Pump switches on when the water level reaches approx 140mm and switches off at approx 30mm. In manual mode the level of water can be pumped down to approx 3mm. Maximum size of soft impurities is 5mm.

KEY FEATURES

- Built in check valve.
- Supplied with 1 1/4" adjustable hose connector for hose sizes 3/4" 1" and 1 1/4".
- 10 metre power cable.
- Polypropylene body.
- Noryl impeller.
- Stainless steel shaft.
- Twin NBR lip seals.

APPLICATIONS

- Drain standing water and domestic waste water.
- Empty flooded rooms.
- Draw water from wells, basins and cisterns.



PERFORMANCE TABLE

Model	Watts	Voltage	Flow Rate	Max. Head	Max. Temp of Pumped Fluid	Max. Size of Impurities
Compac 200	650	230 V	190 l/min	10m	40°C	5mm

COMPAC 200 PRICING

Model	Code	43SP8
		Price
Compac 200	N1080040-AU	\$536.78

DRAINAGE

VIPVORT 180/6 - Garden Pump

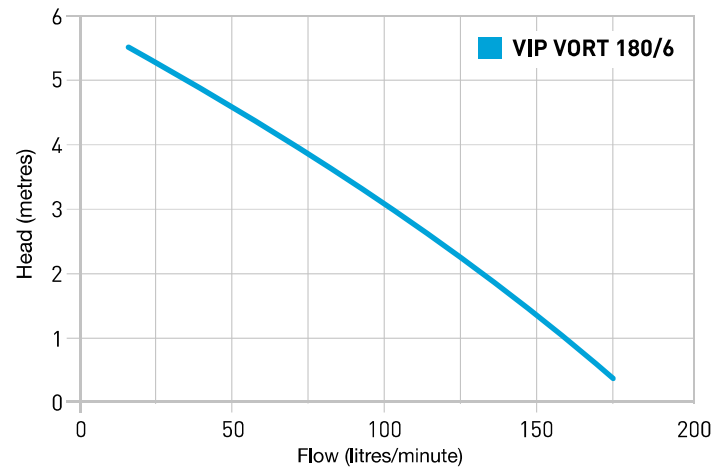
Vipvort submersible pumps for waste water are an essential requirement when it is necessary to transfer water containing particles. Therefore, they are particularly suitable for draining septic tanks and removing flood water. These Vipvort Pumps are designed for applications in dirty water with suspended solids up to 15mm.

KEY FEATURES

- Pump body, diffuser and strainer made from polypropylene.
- Stainless steel motor housing and shaft.
- Fibreglass reinforced impeller.
- Shaft with ceramic sleeve at wear point and double NBR 70 lip seals.
- Easy open and close system on the strainer and diffuser for cleaning purposes.
- Automatic pump fitted with float switch.

APPLICATIONS

- Draining septic tanks.
- Removing flood water.



PERFORMANCE TABLE

Model	Watts	Voltage	Flow Rate	Max. Head	Max. Temp of Pumped Fluid	Max. Size of Impurities
Vipvort 180/6	480	230 V	180 l/min	6m	40°C	15mm

VIP VORT 180/6 PRICING

Model	Code	Price
Vipvort 180/6 - Composite	N2101090-AU	\$397.70

SEPTIC TANK PUMP SP420 Grey Water

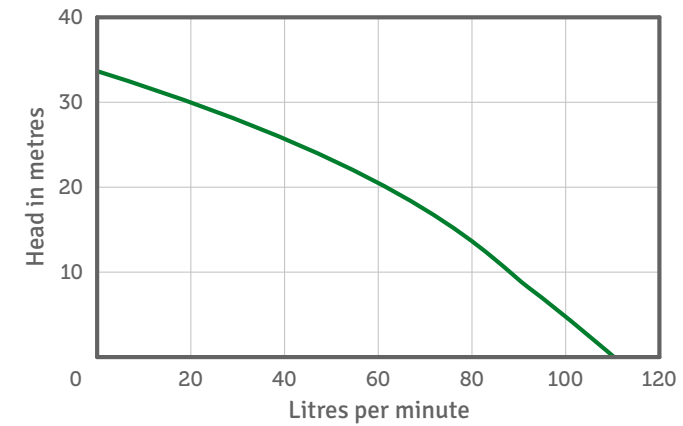


KEY FEATURES

- Twin Impeller.
- Dual carbon ceramic seals in oil bath.
- 10 metre electrical cable.
- H07RN-F rubber cable.
- Light Weight 11kg.
- Stainless Steel shaft.
- Inbuilt motor thermal.
- Liquid temperature of 45°C (60°C intermittent).

APPLICATIONS

- Pressure water transfer.
- Mains water divert.
- Potable water and irrigation.
- The higher performance twin impellers have fine tolerance which require clean water, free from solids. Designed for waste water treatment systems that require pressure to push the water through subsurface irrigation channels over ascending ground.



PERFORMANCE TABLE

Model	Watts	Solids	Outlet	Switch
SP420 Grey Water Pump	550 W	Clean water	25mm	Automatic

SEPTIC TANK PUMP PRICING

Model	Code	Price
SP420 Grey Water Pump	SP420	\$733.69

DRAINAGE & ACCESSORIES

SCREENED SEWAGE CUTTER PUMP



APPLICATION

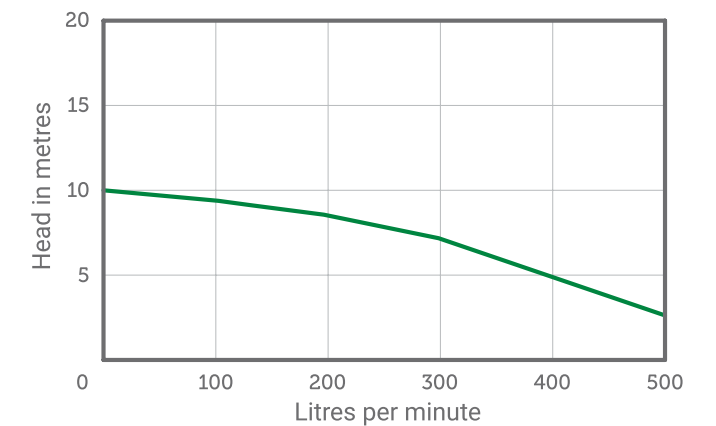
Farm sheds, agricultural slurry, domestic wastewater, transfer pits where volume is required.

LIQUID GUIDE

- Soft solids: 25mm
- Solid concentration: 10%
- Temp maximum: 45 C
- Temp intermittent: 60 C

CONSTRUCTION

- Single vane impeller with harden cutting tip for stringy solids and organic matter.
- Strong cast iron construction
- Dual carbon ceramic silicon seals in oil bath
- 6-metre H07RN-F electrical cable
- Heavy-duty, wide voltage motor
- Three seal motor protection.



PERFORMANCE TABLE

Model	Watts	Volts	Amps	Outlet	Switch
SPC700	1100 W	220 - 240V	6.2 A	2 Inch	Automatic

SCREENED SEWAGE CUTTER PUMP

Model	Code	Price
SPC700 Single Channel Effluent Pump	SPC700	\$1,207.50

DRAINAGE

MULTICUT 08 - Sewage Pump

The unique MultiCut cutting system ensures a maximum of operational safety at outstanding delivery characteristics. Fitted with a cutter plate made of hardened stainless steel and a three bladed knife, it disintegrates coarse additions in the wastewater with more than 62,000 cutting processes per minute before they can get into the pump hydraulics. Solids which cannot be transported are rejected outside of the pump by the cutting rotor as the cutting system is located upstream from the pump hydraulics. Specifically arranged grooves on the cutter plate ensure additional safety as the cutting unit is permanently cleaned automatically during the delivery.

KEY FEATURES

- Cutting rotor with stirring effect.
- Plug-in cable connection.
- External adjustable cutting mechanism.
- Controllable oil chamber.
- SiC mechanical seal independent of sense of rotation.
- Moisture-sealed cable inlet.
- Installed motor protection.
- Ex version: Impeller and replaceable wear plate made from fibre-glass reinforced plastic.

APPLICATIONS

Centrifugal submersible sewage pumps fitted with the MultiCut cutting system are used as stationary appliances for backpressure protection of detached houses. They are suitable for pumping domestic wastewater with the usual additions (as specified in German standard DIN 1986, Part 3).

Operating conditions up to a temperature of the material to be transported of 40° Celsius.

Submerged motor: Continuous operation (S1)

Emerged motor: Intermittent operation (S3)
(e.g. 35% = 3.5 min. operation, 6.5 min. break)

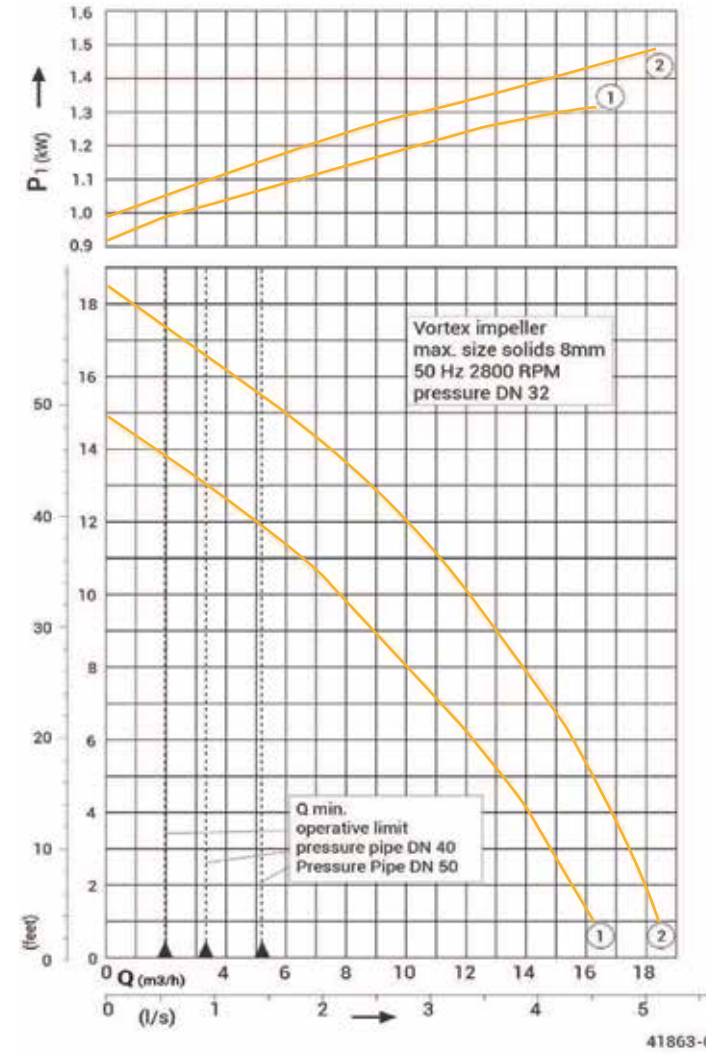


MultiCut Cutter



DRAINAGE

MULTICUT 08 - Sewage Pump



- ① 08/2ME
- ② 08/2M

Model	Largest H x W	Cable Length	Pressure Connection	Weight Approx.
08/2 M	370 x 235 mm	10 m	DN 32	16.5 kg
08/2 ME	370 x 235 mm	10 m	DN 32	16.2 kg
08/2 MS	370 x 340 mm	10 m	DN 32	17.2 kg
08/2 MES	370 x 340 mm	10 m	DN 32	16.6 kg
08/2 M, Ex	350 x 290 mm	10 m	DN 32	28.0 kg

ELECTRICAL DATA

Model	Voltage	Motor Rating		Current Ampere	RPM Motor	Built in Motor Protection	S3	Cable
		P1	P2					
08/2 M+MS	3/PE ~ 400	1.65	1.24	2.8	2674	In the motor	10	H07RN-F-4G1
08/2 ME+MES	1/N/PE ~ 230	1.37	0.98	6.0	2705	In the motor	10	H07RN-F-3G1
08/2 M, Ex	3/PE ~ 400	1.65	1.24	2.8	2674	With control	35	H07RN-F-6G1.5

PERFORMANCE TABLE

Model	Delivery head H [m]	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
08/2 ME+MES	Flow rate Q	16.5	15.5	15	14	13	12	11	10	9	7.5	6.5	5	3.5	1.5		
	(m³/h)	18.5	18	17.5	17	16.5	15.5	15	14	13	12	11	10	9	7.5	6	4.5

MULTICUT 08 PRICING

Model	WITH LEVEL CONTROL		MANUAL PUMP	
	Code	Price	Code	Price
MultiCut 08/2 ME	-	-	JP47371	\$2,169.32
MultiCut 08/2 MES	JP50347	\$2,409.20	-	
MultiCut 08/2 M	-		JP09945	\$2,344.32
MultiCut 08/2 MS	JP09946	\$2,327.27		-

MULTICUT 08 ACCESSORIES PRICING

Description	Code	Price
Pedestal for 08 Models	JP26016	\$156.40
Pump Elbow 1¼" FF	JP16870	\$205.68
Seal Leak Detector DKG	JP44900	\$720.14

DRAINAGE

MULTICUT 20 - Sewage Pump

The unique MultiCut cutting system ensures a maximum of operational safety at outstanding delivery characteristics. Fitted with a cutter plate made of hardened stainless steel and a three bladed knife, it disintegrates coarse additions in the wastewater with more than 62,000 cutting processes per minute before they can get into the pump hydraulics. Solids which cannot be transported are rejected outside of the pump by the cutting rotor as the cutting system is located upstream from the pump hydraulics. Specifically arranged grooves on the cutter plate ensure additional safety as the cutting unit is permanently cleaned automatically during the delivery.

KEY FEATURES

- Cutting rotor with stirring effect.
- Plug-in cable connection.
- External adjustable cutting mechanism.
- Controllable oil chamber.
- SiC mechanical seal independent of sense of rotation.
- Moisture-sealed cable inlet.
- Installed motor protection.

APPLICATIONS

Centrifugal submersible sewage pumps fitted with the MultiCut cutting system are used as stationary appliances in pressurised drainage systems for discharge in sparsely populated areas or of detached houses. They are suitable for pumping domestic wastewater with the usual additions (as specified in German standard DIN 1986, Part 3).

Operating conditions up to a temperature of the material to be transported of 40° Celsius.

Submerged motor: Continuous operation (S1)

Emerged motor: Intermittent operation (S3)
(e.g. 20% = 2 min. operation, 8 min. break)

MULTICUT 20/2 M PLUS

- 10% less energy consumption
- 20% less weight as 25/2 M
- Impeller and replaceable wear plate made from Grivory (fibreglass reinforced plastic)

PERFORMANCE TABLE

Model	Delivery head H [m]	6	9	12	15	18	21	25	28	32	34	36	38	40	44	46	48	50	52	54			
20/2 M plus	Flow rate Q (m³/h)	18	17	16	13	10	6																
25/2 ME		17	16	15	12	9	5																
35/2 M							16	13	10	5													
36/2 M								16	14	10	7	5	2										
45/2 M											10	8	2										
75/2 M												17	16	15	13	8	5	2					
76/2 M																	13	11	9	6	3		

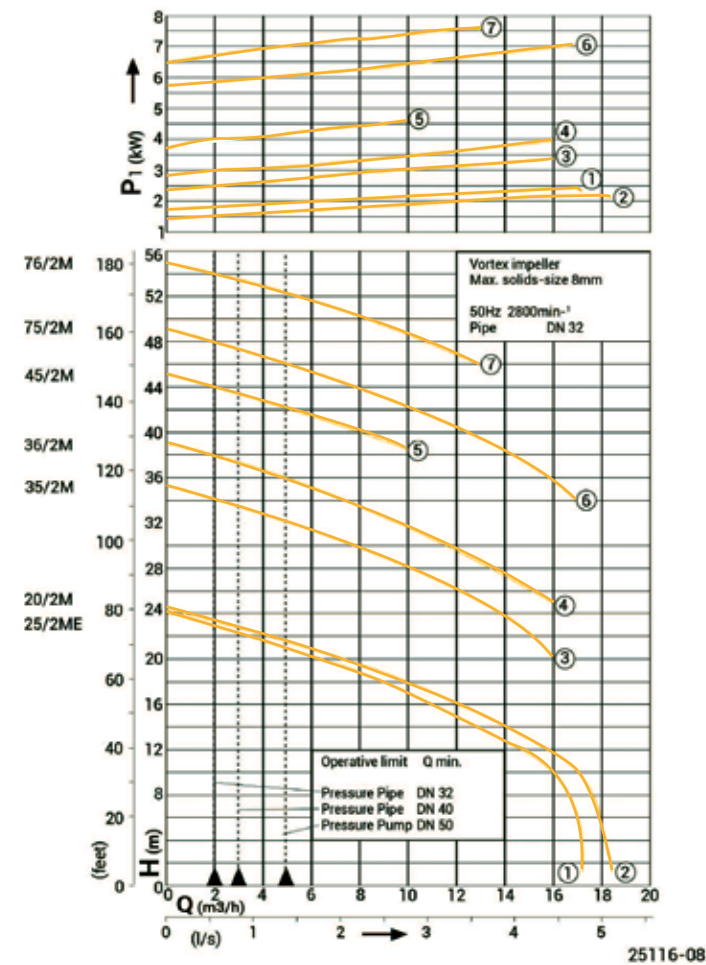
ELECTRICAL DATA

Model	Voltage	Motor Rating		Current	RPM Motor	Built in Motor Protection	S3 %	Cable Pluggable	Device Fuse Min.
		P1	P2						
20/2 M plus	3/PE~230/400	2.40	1.91	7.0 / 4.0	-	Thermostat	25	H07 RN-F 6G 1.5	10 A
25/2 ME**	1/N/PE~230	2.70	2.04	12.0	2860	Thermostat	35	H07 RN-F 6G 1.5	16 A
35/2 M	3/PE~230/400	3.70	3.04	11.5 / 6.6	2895	Thermostat	40	H07 RN-F 6G 1.5	10 A
36/2 M	3/PE~230/400	4.20	3.42	12.7 / 7.3	2880	Thermostat	30	H07 RN-F 6G 1.5	10 A
45/2 M	3/PE~230/400	4.84	3.93	13.7 / 7.9	2857	Thermostat	25	H07 RN-F 6G 1.5	10 A
75/2 M	3/PE~400/690	7.70	6.60	13.2 / 7.7	2920	Thermostat	30	H07 RN-F 10G 2.5	20 A***
76/2 M	3/PE~400/690	7.70	6.60	13.2 / 7.7	2920	Thermostat	30	H07 RN-F 10G 2.5	20 A***

** Operation possible only with control AD 12 ExME *** Value for Y/Δstart



MultiCut Cutter



DRAINAGE

MULTICUT 20 - Sewage Pump

No.	Type	Code
1	20/2 M plus	JP42765
2	25/2 ME*	JP09843
3	35/2 M	JP09806
4	36/2 M	JP09907
5	45/2 M	JP09430
6	75/2 M	JP09912
7	76/2 M	JP09262

* See special technical notes on "Technical Data"

Model	Largest H x W	Cable Length	Pressure Connection	Weight Approx.
20/2 M plus	350 x 290 mm	10 m	DN 32	29.0 kg
25/2 ME	390 x 330 mm	10 m	DN 32	38.0 kg
35/2 M	390 x 330 mm	10 m	DN 32	40.5 kg
36/2 M	390 x 330 mm	10 m	DN 32	40.5 kg
45/2 M	390 x 330 mm	10 m	DN 32	42.0 kg
75/2 M	520 x 430 mm	10 m	DN 32	90.0 kg
76/2 M	520 x 430 mm	10 m	DN 32	90.0 kg

MULTICUT 20 PRICING

Model	Code	Price
20/2 M plus	JP42765	\$2,413.64
25/2 ME*	JP09843	\$2,878.41
35/2 M	JP50357	\$2,752.27
36/2 M	JP50363	\$2,752.27
45/2 M	JP09430	\$3,239.77
75/2 M	JP09912	\$8,453.41
76/2 M	JP09262	\$8,453.41

* Single phase with level control.

MULTICUT 20 ACCESSORIES PRICING

Description	Code	Price
Guiderail System GR35 for MultiCut Range from Model 20/2 Plus to 76/2	JP29953	\$770.45
Pedestal for Model 20/2 M Plus	JP44759	\$135.23
Base Model for 25/2 ME, 35/2 M, 36/2 M & 45/2M	JP20980	\$147.73
Base Model for 75/2M & 76/2M	JP22302	\$617.05
Pump Elbow 1¼"FF	JP16870	\$205.68

DRAINAGE

MULTISTREAM - Sewage Pump



DRAINAGE

MULTISTREAM DN 65 - Sewage Pump

KEY FEATURES

- Adjustable single-channel impeller
- Connection alternatively PN6 or PN10
- Safe to run dry
- Controllable oil chamber
- Plug-type cable connection (MultiStream 10...-100...)
- SiC mechanical seal independent of sense of rotation
- Moisture-sealed cable inlet
- Installed motor protection

APPLICATIONS

The centrifugal submersible sewage pumps MultiStream are suitable for handling effluent or sewage in municipal and industrial pumping stations as well as in surface water drainage applications.

The smaller types are also used very successfully as portable units to deal with emergency situations.

- The sewage pumps are suitable for handling sewage water.
- In hazardous locations explosion-proof sewage pumps Ex have to be used.

The adjustable axial gap of the MultiStream pump makes it possible to re-optimize the efficiency in case of abrasion by adjusting only one single screw. This can be done very cost-effective when the maintenance is carried out and the pump keeps its optimum performance on a long-term basis.

- MultiStream pumps are recommended for:
 - Effluent which contains fibrous matter
 - Effluent which contains solids
 - Mixed water
 - Raw effluent
 - Raw sludge
 - Rainwater.

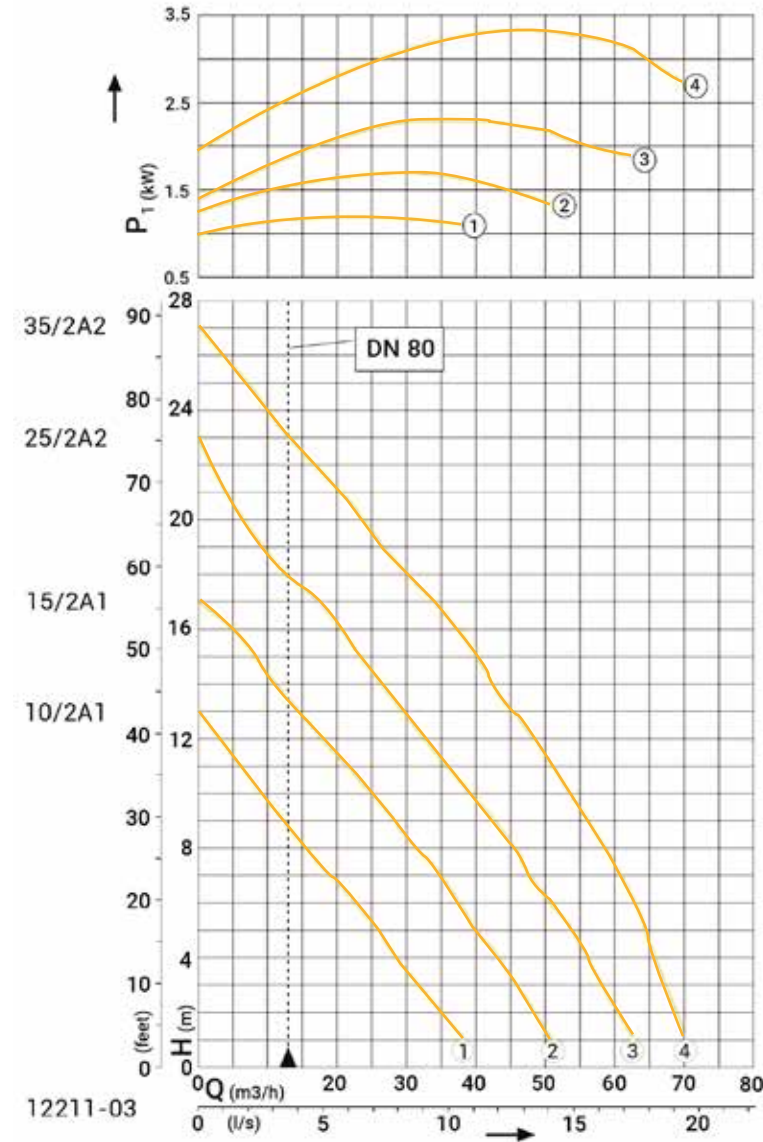
ELECTRICAL DATA

- **Power Line:** 10m H07RN-F
- **Type of Enclosure:** IP 68



MECHANICAL DATA

- **Pump:** Vertical single-stage.
- **Bearing:** Ball bearings, grease packed.
- **Seal towards the motor section:** Duplex shaft seal, from 55/: mechanical seal.
- **Oil chamber:** Yes
- **Seal towards the medium section:** SiC mechanical seal
- **Dry run protection:** Yes
- **Impeller:** Channel impeller, grey cast iron
- **Motor housing:** Grey cast iron
- **Pump housing:** Grey cast iron
- **Submersible:** Yes



No.	Type	Code
1	10/2 A1	JP09615
2	15/2 A1	JP09616
3	25/2 A1	JP09617
4	35/2 A1	JP09651

— Stocked

MULTISTREAM DN 65, N = 2900 Min-1

Model	Voltage	Motor Rating		Current	Wires	Fuse	S3	Free Passage	Discharge Branch	Weight
		P1	P2							
10/2 A1	3/PE ~ 230/400 V	1.3 kW	1.1 kW	4.6A / 2.7A	6G1,5	10 A	60%	40 mm	DN 65	41 kg
15/2 A1	3/PE ~ 230/400 V	1.8 kW	1.5 kW	5.7A / 3.3A	6G1,5	10 A	50%	40 mm	DN 65	42 kg
25/2 A2	3/PE ~ 230/400 V	2.6 kW	2.1 kW	7.6A / 4.4A	6G1,5	10 A	40%	40 mm	DN 65	48 kg
35/2 A2	3/PE ~ 230/400 V	3.7 kW	3.04 kW	11.5A / 6.6A	6G1,5	10 A	40%	40 mm	DN 65	52 kg

MULTISTREAM DN 65 PERFORMANCE TABLE

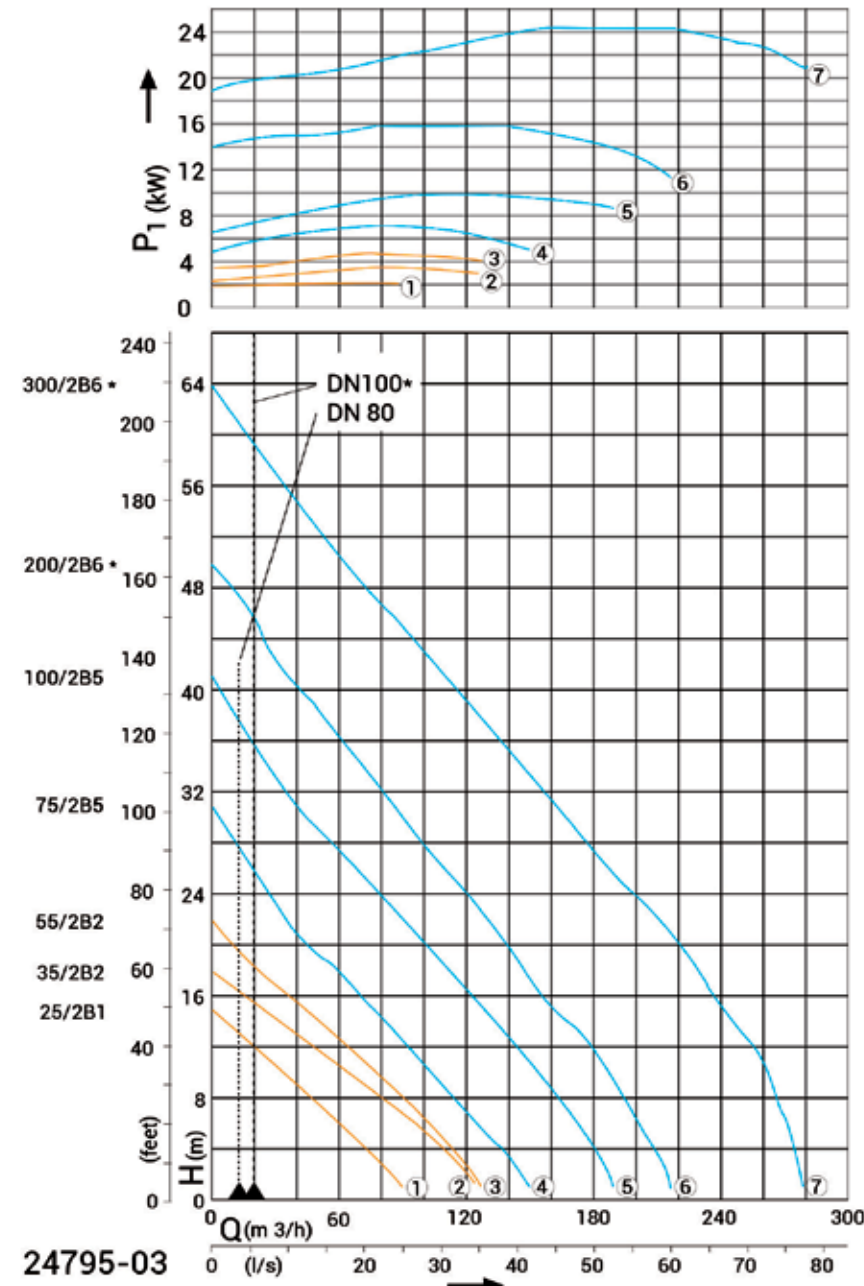
Model	Delivery head H [m]	Flow rate Q (m ³ /h)																
		1	2	3	4	5	6	7	8	9	10	12	14	16	18	20	22	24
10/2 A1	Flow rate Q (m ³ /h)	38	35	32	29	26	22	19	15	12	9							
15/2 A1		50	48	46	43	40	37	35	32	28	25	18	11	5				
25/2 A2		62	60	58	56	54	51	48	46	42	39	33	27	20	13	7		
35/2 A2		70	69	67	66	64	63	61	58	56	53	48	43	37	30	24	16	10

MULTISTREAM DN 65 PUMP PRICING

		43SP9
Model	Code	Price
MultiStream 10/2 A1	JP09615	\$2,551.63
MultiStream 15/2 A1	JP09616	\$3,077.98
MultiStream 25/2 A2	JP09617	\$3,178.17
MultiStream 35/2 A2	JP09651	\$3,278.37

MULTISTREAM DN 65 ACCESSORIES PRICING

		43SP9
Description	Code	Price
GR 65 Guide Rail System	JP00494	\$1,268.99
Base Model for A1 Pumps	JP00681	\$254.55
Base Model for A2 Pumps	JP00682	\$338.64



No.	Type	Code
1	25/2 B1	JP09618
2	35/2 B2	JP09652
3	55/2 B2	JP09663
4	75/2 B5	JP00485
5	100/2 B5	JP09740
6	200/2 B6	JP00492
7	300/2 B6	JP00471

— Stocked
— Non Stocked

MULTISTREAM DN 80, N = 2900 Min-1

Model	Voltage	Motor Rating		Current	Wires	Fuse	S3	Free Passage	Discharge Branch	Weight
		P1	P2							
25/2 B1	3/PE ~ 230/400 V	2.6 kW	2.1 kW	7.6A / 4.4A	6G1,5	10 A	40%	70 mm	DN 80	45 kg
35/2 B2	3/PE ~ 230/400 V	3.7 kW	3.04 kW	11.5A / 6.6A	6G1,5	10 A	40%	70 mm	DN 80	55 kg
55/2 B2	3/PE ~ 400/690 V	5.2 kW	4.45 kW	8.7A / 5A	10G2,5	16 A	40%	70 mm	DN 80	88 kg
75/2 B5	3/PE ~ 400/690 V	7.7 kW	6.6 kW	13.2A / 7.7A	10G2,5	20 A	30%	70 mm	DN 80	98 kg
100/2 B5	3/PE ~ 400/690 V	10.5 kW	9.2 kW	17.6A / 10.2A	10G2,5	25 A	30%	70 mm	DN 80	121 kg
200/2 B6	3/PE ~ 400/690 V	17.3 kW	15.4 kW	28.8A / 16.7A	10G2,5	35 A	45%	70 mm	DN 80	212 kg
300/2 B6	3/PE ~ 400/690 V	27 kW	24.45 kW	43A / 24.7A	7G6+3x1	50 A	35%	70 mm	DN 80	257 kg

PERFORMANCE TABLE

Model	Delivery Head H [m]	1	3	6	9	12	15	18	21	24	27	30	33	36	40	43	46	50	53	56	60	
25/2 B1	Flow rate Q (m³/h)	91	80	62	43	21																
35/2 B2		126	117	97	73	49	23															
55/2 B2		127	118	103	85	65	44	24	6													
75/2 B5		150	142	126	110	93	77	59	42	27	15											
100/2 B5		190	184	173	159	144	129	113	97	78	63	46	32	18								
200/2 B6		217	215	204	191	177	162	149	136	120	104	91	77	62	43	28	19					
300/2 B6		280	277	270	263	254	242	229	216	199	183	167	152	136	113	100	84	63	49	34	17	

MULTISTREAM DN 80 PRICING

Model	Code	Price
25/2 B1	JP09618	\$3,076.41
35/2 B2	JP09652	\$3,480.34
55/2 B2	JP09663	\$8,279.11
75/2 B5	JP00485	POA
100/2 B5	JP09740	POA
200/2 B6	JP00492	POA
300/2 B6	JP00471	POA

MULTISTREAM DN 80 ACCESSORIES PRICING

Model	Code	Price
Guiderail System for MultiStream DN 80	JP00495	\$1,328.88
Base Model for B1 Pumps	JP00683	\$387.50
Base Model for B2, B3 & B4 Pumps	JP00684	\$348.86

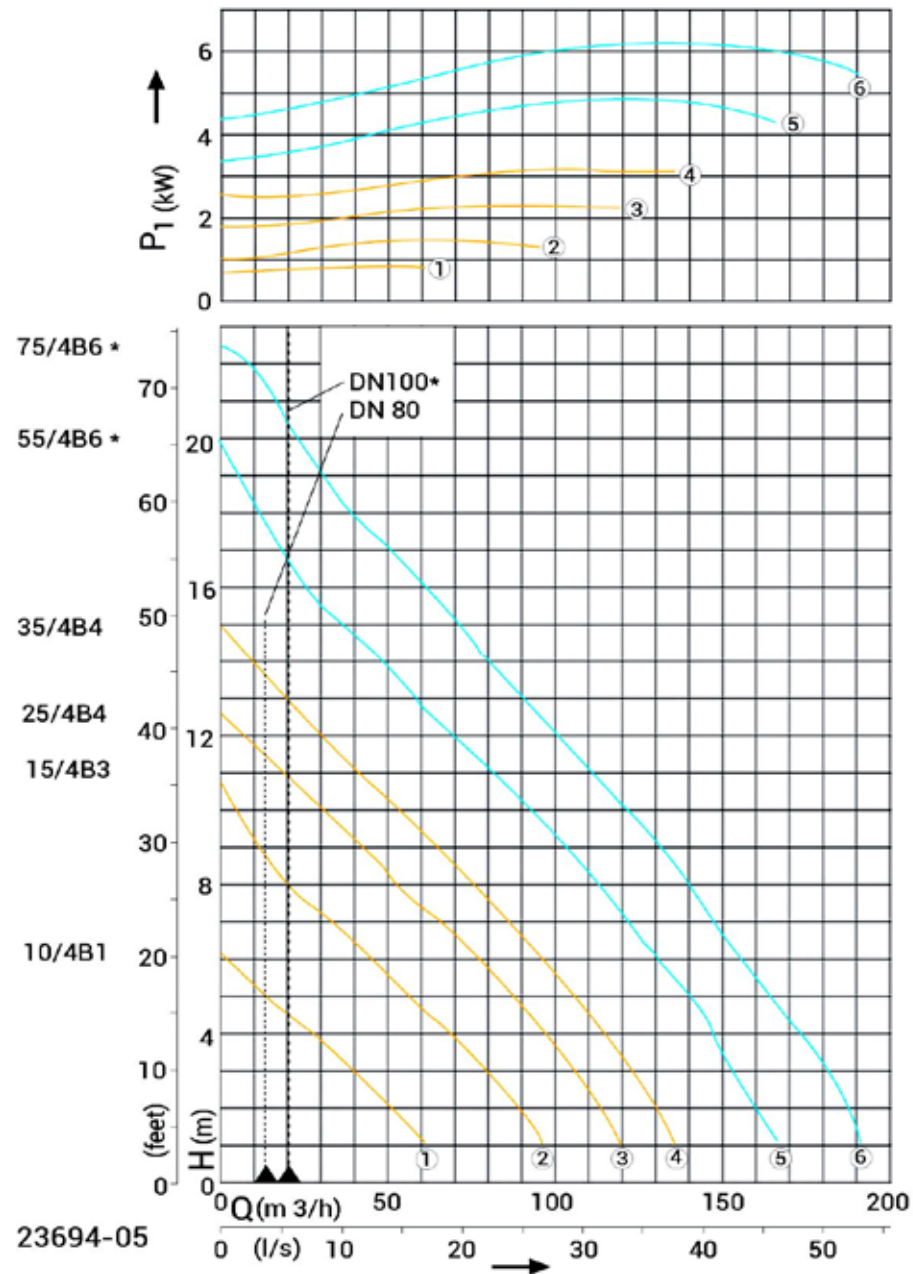
DRAINAGE

MULTISTREAM DN 80 / 100 - Sewage Pump



DRAINAGE

MULTISTREAM DN 80 / 100 - Sewage Pump



No.	Type	Code
1	10/4 B1	JP09620
2	15/4 B3	JP09622
3	25/4 B4	JP09623
4	35/4 B4	JP09647
5	55/4 B6	JP00486
6	75/4 B6	JP00489

— Stocked
— Non Stocked

MULTISTREAM DN 80 / 100, N = 1450 Min-1

Model	Voltage	Motor Rating		Current	Wires	Fuse	S3	Free Passage	Discharge Branch	Weight
		P1	P2							
10/4 B1	3/PE ~ 230/400 V	0.95 kW	0.73 kW	4.2A / 2.4A	6GI,5	10 A	50%	70 mm	DN 80	45 kg
15/4 B3	3/PE ~ 230/400 V	1.8 kW	1.4 kW	4.9A / 3.4A	6GI,5	10 A	40%	70 mm	DN 80	50 kg
25/4 B4	3/PE ~ 230/400 V	2.7 kW	2.04 kW	7.9A / 4.6A	6GI,5	10 A	25%	70 mm	DN 80	59 kg
35/4 B4	3/PE ~ 230/400 V	3.5 kW	2.65 kW	12A / 6.9A	6GI,5	10 A	25%	70 mm	DN 80	62 kg
55/4 B6	3/PE ~ 400/690 V	5.8 kW	4.65 kW	10.2A / 5.9A	10G2,5	16 A	20%	70 mm	DN 100	111 kg
75/4 B6	3/PE ~ 400/690 V	7.2 kW	5.9 kW	12.8A / 7.4A	10G2,5	20 A	25%	70 mm	DN 100	116 kg

PERFORMANCE TABLE

Model	Delivery Head H [m]	1	2	3	4	5	6	7	8	9	10	11	12	14	15	16	17	18	20	
10/4 B1	Flow rate Q (m³/h)	60	51	40	28	14	3													
15/4 B3		98	89	79	69	57	45	33	20	12	5									
25/4 B4		120	114	106	97	87	77	65	53	43	31	19								
35/4 B4		132	125	119	112	104	95	85	74	64	53	43	30	10						
55/4 B6		167	160	154	147	140	132	123	114	104	93	82	72	49	39	28	19	12		
75/4 B6		191	188	181	173	163	157	149	141	131	122	113	104	82	73	62	52	41	24	

MULTISTREAM DN 80 / 100 PRICING

Model	Code	Price
10/4 B1	JP09620	\$3,031.01
15/4 B3	JP09622	\$3,129.64
25/4 B4	JP09623	\$3,810.68
35/4 B4	JP09647	\$4,280.36
55/4 B6	JP00486	\$8,279.11
75/4 B6	JP00489	\$7,571.03

MULTISTREAM DN 80 / 100 ACCESSORIES PRICING

Model	Code	Price
Guiderail System for MultiStream DN 80	JP00495	\$1,328.88
Base Model for B1 Pumps	JP00683	\$387.50
Base Model for B2, B3 & B4 Pumps	JP00684	\$348.86

DRAINAGE

MULTIFREE 65mm 2 Pole - Sewage Pump



KEY FEATURES

- PN6 / PN10 flange connection
- Safe to run dry
- Controllable oil chamber
- Plug-in cable connection
- SiC mechanical seal independent of sense of rotation
- Moisture-sealed cable inlet
- Installed motor protection.

APPLICATION

MultiFree centrifugal submersible sewage pumps are suitable for handling effluent or sewage in municipal and industrial pumping stations as well as surface water drainage applications.

The smaller types are also great as portable units to deal with emergency situations. MultiFree sewage pumps are suitable for handling sewage water.

In hazardous locations, explosion proof sewage pumps Ex have to be used.

TYPES OF MEDIA THAT CAN BE PUMPED

- Effluent which contains fibrous matter prone to matting
- Effluent which contains solids
- Abrasive effluent
- Effluent which contains trapped air or gas
- Mixed water
- Raw effluent
- Raw sludge
- Surface water
- Rainwater

ELECTRICAL DATA

- **Voltage:** 3/PE~400V
3/PE~400/690V
- **Power line:** 10m H07RN-F
- **Type of enclosure:** IP 68
- Winding thermostat: Yes

MECHANICAL DATA

- **Pump:** Vertical single-stage
- **Bearing:** Ball bearings, grease packed
- **Seal towards the motor section:** Duplex shaft seal, from 55/: mechanical seal
- **Oil chamber:** Yes
- **Seal towards the medium section:** SiC mechanical seal
- **Dry run protection:** Yes
- **Impeller:** Vortex impeller, spheroidal graphite iron
- **Motor housing:** Grey cast iron
- **Pump housing:** Grey cast iron
- **Submersible:** Yes

MULTIFREE DN 65 PERFORMANCE TABLE

Type	Delivery head H [m]	1	2	3	4	5	6	7	8	9	10	12	14	16	18	20	22
10/2 AW1	Flow rate Q (m³/h)	45	37	31	27	22	19	16	13	10	7						
15/2 AW1		50	45	37	33	28	25	22	20	17	15	10					
25/2 AW1		68	61	55	51	46	41	37	33	30	27	22	16	9			
35/2 AW1		82	80	76	70	65	59	56	52	48	44	38	32	26	19	11	2
45/2 AW1		95	90	84	78	75	72	64	60	54	52	46	41	37	30	24	18

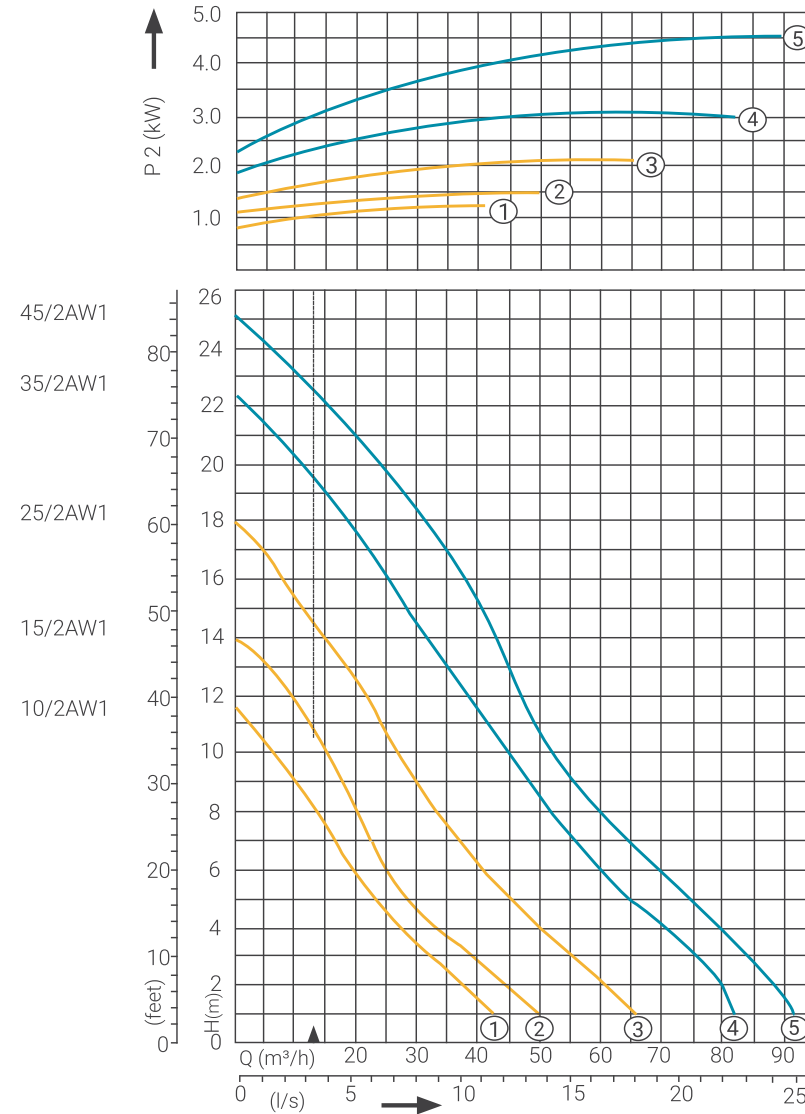
MULTIFREE DN 65, N = 2900 MIN-1

Type	Motor Rating		Current	Wires	Fuse	S3	Free Passage	Discharge Branch	Weight
	P1	P2							
10/2 AW1	1.7 kW	1.4 kW	3.3 A	6G1,5	10 A	50 %	65 mm	DN 65	43 kg
15/2 AW1	2.1 kW	1.7 kW	3.8 A	6G1,5	10 A	45 %	65 mm	DN 65	43 kg
25/2 AW1	2.9 kW	2.3 kW	4.9 A	6G1,5	10 A	35 %	65 mm	DN 65	43 kg
35/2 AW1	4.05 kW	3.34 kW	7.1 A	6G1,5	10 A	35 %	65 mm	DN 65	46 kg
45/2 AW1	6 kW	5 kW	9.4 A	6G1,5	20 A	20 %	65 mm	DN 65	51 kg



DRAINAGE

MULTIFREE 65mm 2 Pole - Sewage Pump



No.	Type	Code
1	10/2 AW1	JP47280
2	15/2 AW1	JP47278
3	25/2 AW1	JP09149
4	35/2 AW1	JP09151
5	45/2 AW1	JP46796

- Stocked
- Non Stocked

MULTIFREE DN 65 PRICING

Model	Code	Price
10/2 AW1	JP47280	\$2,813.64
15/2 AW1	JP47278	\$2,947.73
25/2 AW1	JP09149	\$3,059.09
35/2 AW1	JP09151	\$3,293.18
45/2 AW1	JP46796	POA

MULTIFREE DN 65 ACCESSORIES PRICING

Model	Code	Price
Guiderail System for MultiFree Pumps DN 65	JP00494	\$1,268.99
Base Model for AW1 Pumps	JP00682	\$338.64

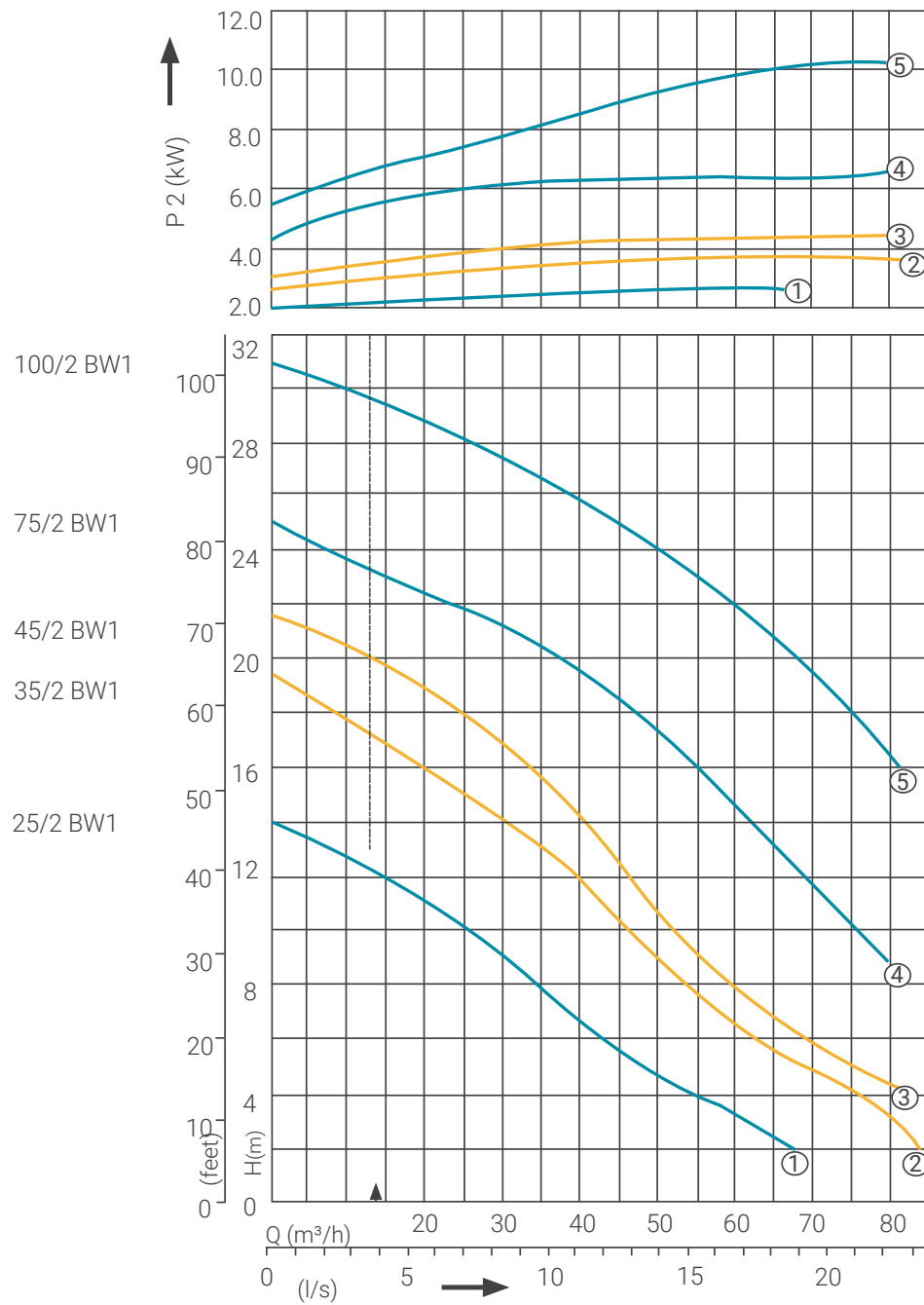
DRAINAGE

MULTIFREE 80mm 2 Pole - Sewage Pump



DRAINAGE

MULTIFREE 80mm 2 Pole - Sewage Pump



No.	Type	Code
1	25/2 BW1	JP09498
2	35/2 BW1	JP09500
3	45/2 BW1	JP46856
4	75/2 BW1	JP46873
5	100/2 BW1	JP46871

— Stocked
— Non Stocked

PERFORMANCE TABLE

Type	Delivery head H [m]	1	2	3	4	5	6	7	8	9	10	12	14	16	18	20	22	24	26	28	30		
25/2 AW1	Flow rate Q (m³/h)		68	62	55	49	43	38	35	31	27	15											
35/2 AW1		90	85	80	74	70	65	60	57	53	50	43	36	29	20	5							
45/2 AW1					86	78	72	66	61	57	54	46	41	35	27	12							
75/2 AW1										80	74	65	59	53	46	36	26	12					
100/2 AW1														82	75	67	60	51	40	29	14		

MULTIFREE DN 80, N = 2900 MIN-1

Type	Motor Rating		Current	Wires	Fuse	S3	Free Passage	Discharge Branch	Weight
	P1	P2							
25/2 BW1	3.27 kW	2.55 kW	5.4 A	6G1,5	10 A	25 %	80 mm	DN 80	46 kg
35/2 BW1	4.84 kW	3.95 kW	8.2 A	6G1,5	10 A	25 %	80 mm	DN 80	49 kg
45/2 BW1	6 kW	5 kW	9.4 A	6G1,5	20 A	20 %	80 mm	DN 80	56 kg
75/2 BW1	8.05 kW	6.8 kW	9.4 A / 7.9 A	10G2,5	20 A	25 %	80 mm	DN 80	96 kg
100/2 BW1	12.2 kW	10.7 kW	21 A / 12.2 A	10G2,5	25 A	20 %	80 mm	DN 80	116 kg

MULTIFREE DN 80, 2 POLE, PRICING

			43SP9
Model	Code	Price	
25/2 BW1	JP09498	POA	
35/2 BW1	JP09500	\$3,797.73	
45/2 BW1	JP46856	\$6,553.41	
75/2 BW1	JP46873	\$8,552.88	
100/2 BW1	JP46871	\$8,946.63	

MULTIFREE DN 80, 2 POLE, ACCESSORIES PRICING

			43SP9
Model	Code	Price	
Guiderail System for MultiFree Pumps DN 80	JP00495	\$1,328.88	
Base Model for BW1 Pumps	JP00684	\$348.86	

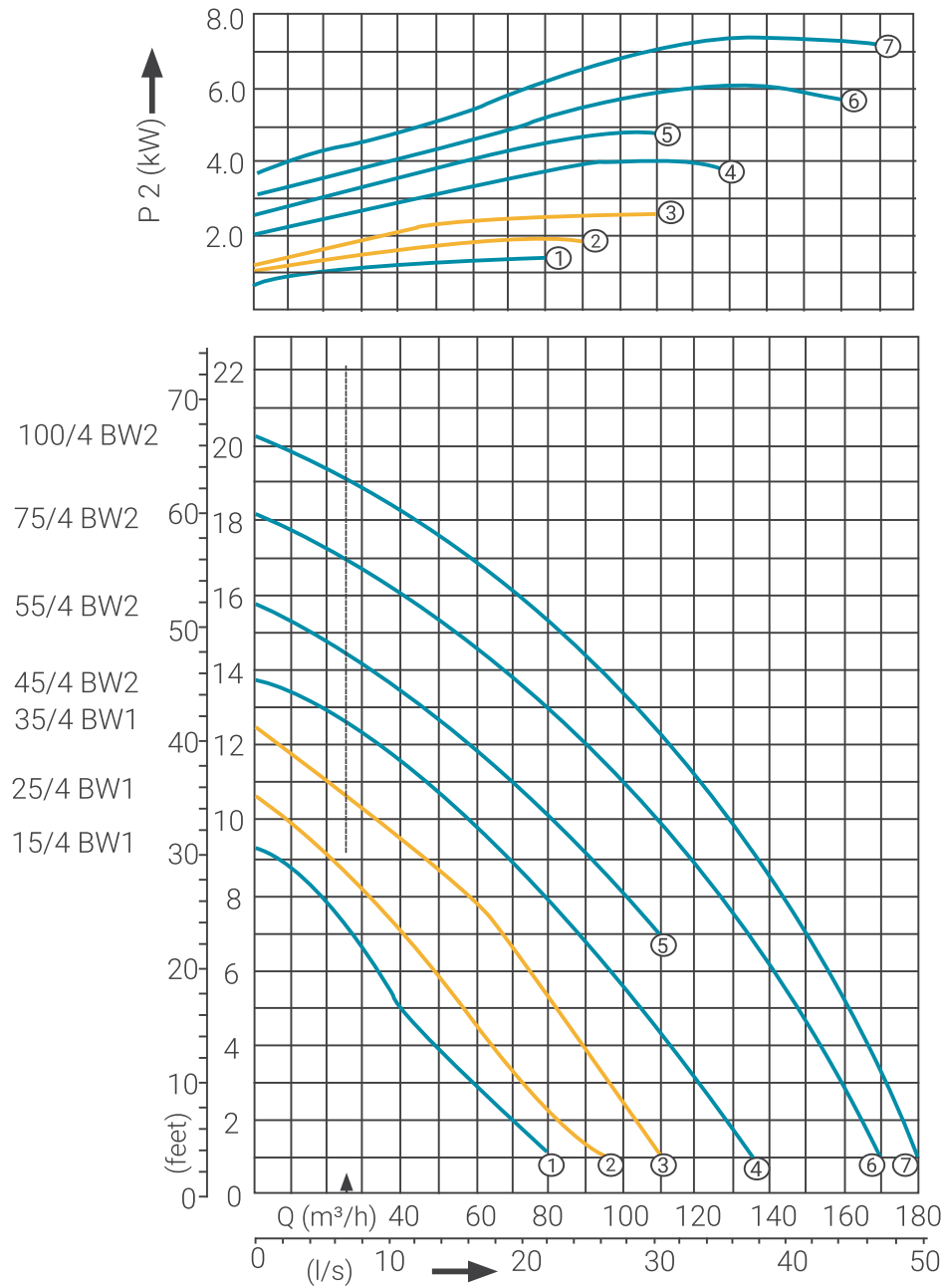
DRAINAGE

MULTIFREE 80mm 4 Pole - Sewage Pump



DRAINAGE

MULTIFREE 80mm 4 Pole - Sewage Pump



No.	Type	Code
1	15/4 BW1	JP09455
2	25/4 BW1	JP09456
3	35/4 BW1	JP09457
4	45/4 BW2	JP46858
5	55/4 BW2	JP48267
6	74/4 BW2	JP46877
7	100/4 BW2	JP46875

— Stocked
— Non Stocked

PERFORMANCE TABLE

Type	Delivery head H [m]	1	2	3	4	5	6	7	8	9	10	12	14	16	18	20	
15/4 BW1	Flow rate Q (m³/h)	80	71	60	50	42	34	27	18	4							
25/4 BW1		95	84	74	64	55	47	40	32	21	9						
35/4 BW1		115	107	98	90	82	75	68	59	49	35	10					
45/4 BW2		138	128	119	110	105	98	90	80	69	57	31					
55/4 BW2									110	100	93	83	60	34			
74/4 BW2													110	90	67	38	5
100/4 BW2		170	159	152	147	142	136	130	124	117	110	90	67	38	5		

MULTIFREE DN 80, N = 1450 MIN-1

Type	Motor Rating		Current	Wires	Fuse	S3	Free Passage	Discharge Branch	Weight
	P1	P2							
15/4 BW1	2.2 kW	1.7 kW	4 A	6G1,5	10 A	35 %	80 mm	DN 80	47 kg
25/4 BW1	2.8 kW	2.1 kW	4.7 A	6G1,5	10 A	25 %	80 mm	DN 80	47 kg
35/4 BW1	4.2 kW	3.2 kW	7.8 A	6G1,5	10 A	20 %	80 mm	DN 80	51 kg
45/4 BW2	5.5 kW	4.2 kW	9.6 A	6G1,5	10 A	10 %	80 mm	DN 80	73 kg
55/4 BW2	6.39 kW	5.08 kW	10.8 A / 6.3 A	10G2,5	16 A	15 %	80 mm	DN 80	109 kg
75/4 BW2	8.25 kW	6.7 kW	14.2 A / 8.2 A	10G2,5	20 A	15 %	80 mm	DN 80	113 kg
100/4 BW2	10 kW	8.4 kW	17.6 A / 10.2 A	10G2,5	25 A	20 %	80 mm	DN 80	136 kg

MULTIFREE DN 80, 4 POLE PRICING

		43SP9
Model	Code	Price
15/4 BW1	JP09455	POA
25/4 BW1	JP09456	\$3,631.82
35/4 BW1	JP09457	\$4,545.71
45/4 BW2	JP46858	\$6,781.85
55/4 BW2	JP48267	\$7,320.15
75/4 BW2	JP46877	POA
100/4 BW2	JP46875	\$8,835.75

MULTIFREE DN 80, 4 POLE, ACCESSORIES PRICING

		43SP9
Model	Code	Price
Guiderail System for MultiFree Pumps DN 80	JP00495	\$1,328.88
Base Model for BW1 Pumps	JP00684	\$348.86
Seal Leak Detector DKG	JP44900	\$720.14

POOL & AQUATICS

PANTERA POOL PUMP – Selection Chart



Pantera Pool Pump - 550, 750, 1100
PPP-550-1P | PPP-750-1P | PPP-1100-1P



Freeflow Cartridge Filter
FFCF-075



Freeflow Salt Chlorinator
FFCL-15-RP | FFCL-25-RP | FFCL-35-RP



Leisuretime II® Top Mount Filter
LSF11-21-40 | LSF11-25-40 | LSF11-28-50

Pool Size (Litre)	PANTERA POOL PUMP		CHLORINATOR		FILTER		43SPP1 MEDIA ZELBRITE (15KG BAGS)		
	Code	Price	Code	Price	Code	Price	Code	Price Per Bag	No. Req.

URBAN SWIMMING POOL

30,000	PPP-550-1P	\$1,252.73	FFCL-15-RPQ	\$2,096.34	LSFII-21-40	\$983.85	705913	\$62.41	5
50,000	PPP-750-1P	\$1,286.19	FFCL-25-RPQ	\$2,244.85	LSFII-25-40	\$1,180.63	705913	\$62.41	7
70,000	PPP-1100-1P	\$1,468.06	FFCL-35-RPQ	\$2,643.27	LSFII-28-50	\$1,575.64	705913	\$62.41	10

Pool Size (Litre)	PANTERA POOL PUMP		CHLORINATOR		FILTER		REPLACEMENT FILTERS		
	Code	Price	Code	Price	Code	Price	Code	Price Per Filter	No. Req.

RURAL SWIMMING POOLS ON SEPTIC SYSTEMS

30,000	PPP-550-1P	\$1,252.73	FFCL-15-RPQ	\$2,096.34	FFCF-075	\$831.14	705913	\$62.41	5
50,000	PPP-750-1P	\$1,286.19	FFCL-25-RPQ	\$2,244.85	FFCF-075	\$831.14	705913	\$62.41	7
70,000	PPP-1100-1P	\$1,468.06	FFCL-35-RPQ	\$2,643.27	FFCF-075	\$831.14	705913	\$62.41	10

ROBOTIC CLEANER

ROBOTIC CLEANER PRICING

Model	Code	43SPP1
		Price
Pentair Prowler 920 Pool Cleaner	360322-AU	\$3,326.15



TERMS & ENGINEERING

TERMS & CONDITIONS OF TRADE

1. TERMS AND CONDITIONS OF TRADE – 43 SOUTH LIMITED (the Company)

- 1.1 These terms and conditions (Terms) together with any order for Goods and/or Services form the contract for the supply of Goods and/or Services, by the Company to the Customer (Contract).
- 1.2 These Terms apply to all orders for Goods and/or Services submitted by the Customer to the Company.
- 1.3 To the extent of any discrepancy between these Terms and any third party (including the Customer's) terms and conditions, these Terms prevail.

2. PRICE

- 2.1 The Price is the Company's current price for the Goods and/or Services as at the Contract Date or (if applicable, and subject to clauses 4.3 to 4.5, the Price quoted by the Company).
- 2.2 Where no price is stated in writing or agreed to orally the Goods and/or Services shall be deemed to be sold at the current amount as such Goods and/or Services are sold by the Company.
- 2.3 Any difference between the price of the Goods and/or Services at the Contract Date and the date of delivery, due to circumstances beyond the Company's control, is to the Customer's account and the Price shall be adjusted accordingly.
- 2.4 Where the Customer requests the Company to estimate the quantity of the Goods to be supplied from sketches, plans, schedules, specifications or otherwise, the Customer agrees to pay for any variation between the estimate and the actual quantities supplied and the Contract shall be deemed to be adjusted accordingly.

3. PAYMENT

- 3.1 Payment is due by the 20th of the month following the date of invoice (the Due Date).
- 3.2 The Company reserves the right to require a deposit or advance payment in respect of Goods and/or Services ordered. If the Customer wishes to cancel an order, other than in accordance with the lawful exercise of a right to terminate the Contract under the Contract or at law, the Company can retain a proportion of the deposit or advance payment paid to the Company sufficient to cover the costs, expenses and losses that the Company is reasonably likely to incur as a result of the cancellation.
- 3.3 If the Customer has failed to pay an amount due and owing under the Contract by the Due Date, the Company reserves the right to charge, and the Customer will pay:
 - (a) the Company's reasonable costs (including all costs on a solicitor-client basis) incurred in, or incidental to, the enforcement or attempted enforcement of any of the Company's rights under the contract or at law; and
 - (b) a default penalty on any moneys due but unpaid under the Contract which will be calculated on a daily basis at a rate of 2.5 per cent per month (the Default Penalty). The Default Penalty is payable from the Due Date until the date the Company receives payment of the Amount Owing. The Company's right to charge the Default Penalty is without prejudice to any of the Company's rights, powers or remedies arising after the Customer's payment default.
- 3.4 The Company may allocate all amounts received by the Customer in any manner it determines including any manner required to preserve any security interest in the Goods sold under the Contract.

4. QUOTES

- 4.1 A quotation by the Company is based on the current price for the Goods and/or Services (based on the Company performing the work during normal working hours) and subject to availability from the Company's usual source of supply as at the date of the quote and shall not be binding on the Company unless the Customer has accepted the Company's quote within 30 days from the date of issue (time being of the essence).
- 4.2 The quotation shall be exclusive of GST unless specifically stated to the contrary;
- 4.3 The Company reserves the right to alter the quotation because of circumstances beyond its control;
- 4.4 Where Goods and/or Services are required in addition to the volumes specified in the quotation the Customer agrees to pay for the additional cost of such Goods and/or Services.
- 4.5 Any requested variation to the Goods and/or Services covered by the Company's quotation must be notified in writing by the Customer. If the Company agrees, the Company's quotation and the Price will be adjusted accordingly. If a variation is agreed after the Contract is formed, the Contract and the Price will be adjusted accordingly.

5. CONTRACT

- 5.1 These Terms shall be read subject to the express terms and conditions contained in the Contract. The Contract is subject to the Company having the Goods in stock and subject to availability from the Company's usual source of supply.
- 5.2 If there is a conflict between the Customer's order and the Company's confirmation of order (including these Terms), the Company's confirmation of order (including these Terms) will prevail.
- 5.3 The rights, powers and remedies provided for in the Contract (including these Terms) are in addition to, and do not limit or exclude (or otherwise adversely affect), any right, power or remedy provided to the Company by law.
- 5.4 The Customer's obligation to pay amounts (other than the Price) to the Company under these Terms shall be continuing and separate obligations which will survive termination of the Contract and payment of the Price.

6. DELIVERY

- 6.1 Delivery is deemed to occur when possession of the Goods is taken by the Customer.
- 6.2 Delivery of the Goods will be made at the Customer's premises unless the Customer has instructed otherwise.

7. RISK AND OWNERSHIP

- 7.1 All risk in and for the Goods passes to the Customer on delivery by the Company. The Customer must ensure that it is adequately insured against any damage or loss which may occur to the Goods after delivery.
- 7.2 If any of the Goods are damaged or destroyed prior to property in them passing to the Customer, the Company is entitled, without prejudice to any of its other rights or remedies under the Contract (including the right to receive payment of the Price), to receive all insurance proceeds payable for the Goods. This applies whether or not the Price has become payable under the Contract. The production of the Contract (including these Terms) by the Company is sufficient evidence of the Company's right to receive the insurance proceeds without the need for any person dealing with the Company to make further enquiries.
- 7.3 Property in, ownership of and title to the Goods shall not pass to the Customer until:
 - (a) the Customer pays the Amount Owing in full and all other amounts owing under other Contracts; or
 - (b) (if applicable) the Customer resells the Goods pursuant to the authority granted by these Terms.

- 7.4 Until property in Goods passes to the Customer, the Customer holds the Goods as the Company's bailee and, as agent for the Customer, the Company (and its employees and agents) may, without prior notice, enter upon any land or premises where the Company believes the Goods are kept in order to inspect the Goods. The Customer must store the Goods so they can be identified separately from the Customer's own goods. The Company authorises the Customer, in the ordinary course of the Customer's business, to use the Goods or resell them for full consideration. This authority is revoked immediately if:
 - (a) an Event of Default occurs; or
 - (b) the Company notifies the Customer in writing that this authority is revoked.

8. WARRANTIES

- 8.1 If the Company manufactures the Goods, the Company warrants that
 - (a) every care will be taken to ensure that the Goods and/or Services meet the Company's standards or agreed specifications (within the limits of reasonable commercial accuracy);
 - (b) the Company will comply with all applicable laws and governmental regulations and orders;
 - (c) the Goods supplied will be of good material and workmanship for a period of 30 days, or such longer period as specified in writing by the Company, from the date of delivery.
- 8.2 The Company makes no other warranties, whether of merchantability, fitness for a particular purpose, or otherwise, and none will be implied except in accordance with clause 12.2.
- 8.3 The warranties under clause 8.1 do not apply where:
 - (a) the Goods are repaired, modified, altered or adjusted by any person not authorised by the Company;
 - (b) the Goods are used for purposes other than that for which they were intended;
 - (c) the defect has arisen due to an accident or any wilful damage, negligence, neglect or default of the Customer or any third party;
 - (d) the defect has arisen due to the incorrect installation of the Goods or abnormal working conditions;
 - (e) the defect has arisen due to normal wear and tear on the Goods;
 - (f) the Goods have not been stored or maintained as recommended by the Company; or
 - (g) the Customer is in breach of any agreement with the Company (including non-payment for any Goods and/or Services).
- 8.4 Any claims relating to Goods manufactured by the Company or the warranties relating to those Goods must be made by the Purchaser to the Company in accordance with clause 8.6.
- 8.5 With respect to Goods not manufactured by the Company (Third Party Goods), and subject to clause 12.2, the Customer acknowledges and agrees that:
 - (a) third party warranties will apply to Third Party Goods where applicable;
 - (b) the Company provides no further warranties in relation to Third Party Goods;
 - (c) the Company's obligations under clause 8.1 do not apply to the Third Party Goods; and
 - (d) any claims relating to Third Party Goods or the warranties relating to those Third Party Goods must be made by the Purchaser to the Company in accordance with clause 8.6.
- 8.6 A claim under this clause must be in writing to the Company within twelve (12) months from the date of delivery of the Goods and/or Services and no claim can be made under this clause unless and until the Price is paid in full. The Customer must:
 - (a) give the Company notice of any defect in the Goods within 7 days of the defect becoming apparent; and
 - (b) provide the Company with a reasonable opportunity to investigate the claim.

9. RETURN OF GOODS

- 9.1 Except as provided in this clause, and subject to clause 12.2, the Customer is not entitled to return the Goods to the Company for any reason. For defective Goods which the Customer is entitled to reject:
 - (a) the Customer must notify the Company within 7 days of delivery that the Goods are defective;
 - (b) the Company must be given a reasonable opportunity to investigate the Customer's claim;
 - (c) the Company will not be liable for defective Goods in the circumstances described in clauses 8.3(a) to 8.3(g); and
 - (d) the Company will not be liable to pay the Customer any amount more than the amount (if any) the Company actually receives from the supplier of any defective Third Party Goods.
- 9.2 The Company may (in its discretion) accept the return of Goods for credit but the Company may charge a handling fee of 25% of the Price and the amount of any credit will be less any freight costs. Any Goods considered for return must be unused, undamaged and still in original packaging. Subject to clause 12.2, no returns will be considered for Special Goods.

10. LIABILITY

- 10.1 The Company's liability under clauses 8 and 8.6(b) will be limited in its sole discretion to:
 - (a) restoring the Goods in conformity with the written specifications supplied by the Customer;
 - (b) replacing the Goods; or
 - (c) refunding the Price of the Goods.
- 10.2 Any repairs will be done at such place as the Company specifies and the Customer is responsible for:
 - (a) cartage of the Goods or parts of the Goods as is necessary to and from the place so specified; and
 - (b) the cost or removal of defective material and fixing replacement material.
- 10.3 Except as otherwise provided by clause 12.2, the Company will not be liable for:
 - (a) failure to deliver the Goods by a specified date;
 - (b) an event beyond the Company's control;
 - (c) failure of the Goods however so arising;
 - (d) testing the Goods;
 - (e) deterioration of the Goods due to exposure to the elements after delivery;
 - (f) any negligence, misrepresentation or other act or omission by the Customer or its agents; or
 - (g) any loss or damage resulting directly, or indirectly, from any of the above.
- 10.4 Notwithstanding any other provision of these terms and conditions and any other agreement between the Company and the Customer, but subject always to clause 12.2:
 - (a) any liability of the Company arising under the Contract will not exceed the value of the replaced Goods in relation to which the liability has arisen;
 - (b) the maximum aggregate liability of the Company to the Customer under these Terms and any other agreement between the Company and the Customer shall be limited to the total

revenue derived by the Company from the Customer under these Terms.

11. DEFAULT

- 11.1 If an Event of Default occurs, and without prejudice to any other rights, powers or remedies the Company may have:
 - (a) the Company may suspend or terminate the supply of Goods and/or Services to the Customer and any of its other obligations under the Contract (and any other Contract), or cancel all or any part of any order with the Customer which remains unperformed;
 - (b) all Amounts Owing shall immediately become due and payable notwithstanding that the due date for payment has not arisen; and
 - (c) the Company may enforce any security interest granted to it by the Customer.
- 11.2 The Company will not be liable to the Customer for any loss or damage the Customer suffers because the Company exercises any rights, powers or remedies after the occurrence of an Event of Default, including under this clause.
- 11.3 The Customer agrees that, at any time after an Event of Default has occurred or at any time if any Goods are at risk, the Company may:
 - (a) take possession of any Goods; and/or
 - (b) sell or dispose of any Goods in such manner and generally on such terms and conditions as the Company thinks fit, and, in each case, otherwise do anything the Customer could do in relation to the Goods. The Company and the Customer agree that section 109(1) of the PPSA is contracted out of in respect of particular Goods if and only for so long as the Company is not the secured party with priority over all other secured parties in respect of those Goods. As agent for the Customer, the Company (and its employees and agents) may, without prior notice, enter upon any land or premises where the Company believes the Goods are kept in order to take possession of and/or remove them. The Customer agrees to procure all other rights (including consents) necessary to enable, and to indemnify the Company (and its employees and agents) against any liability incurred in connection with, such entry, taking of possession and removal.

12. CONSUMER GUARANTEES ACT 1993 (CGA)

- 12.1 If the Customer is not a consumer as defined in the CGA or the Customer acquires or holds itself out as acquiring the Goods under the Contract for the purposes of a business, nothing in the CGA will apply to the supply of the Goods.
- 12.2 In the case of any Customer (to which clause 12.1 does not apply), the provisions of the Contract (including these Terms) will only apply to the extent that such provisions do not limit or exclude any provisions of the CGA and will take effect subject to the provisions of the CGA.
- 12.3 Where the Customer supplies the Goods:
 - (a) in trade to a person acquiring them for business purposes, it must be a term of the Customer's contract with the purchaser that the Consumer Guarantees Act 1993 does not apply in respect of the Goods;
 - (b) to any other person, the Customer must not give or make any undertaking, assertion or representation in relation to the Goods without the Company's prior approval in writing.
- 12.4 The Customer shall pass on any written product information supplied by the Company to the purchaser and agrees to indemnify the Company against any liability or cost incurred by the Company under the Consumer Guarantees Act 1993 as a result of any breach by the Customer of the obligations contained in these Terms.

13. PPSA

- 13.1 The Customer grants the Company a Security Interest in the present and after-acquired Goods as Security for all amounts owing by the Customer to the Company and performance of the Customer's obligations under the Contract. To the extent permitted by law, the Customer and the Company contract out of:
 - (a) section 114(1)(a) of the PPSA; and
 - (b) the Customer's rights referred to in sections 107(2)(c),(d),(h) and (i) of the PPSA.
- 13.2 The Customer waives its right to receive a copy of any verification statement in respect of any financing statement relating to any security interest granted to the Company by the Customer.
- 13.3 The Customer agrees to indemnify the Company, upon demand, for all costs and expenses (including legal fees) incurred by the Company:
 - (a) as a result of the occurrence of an Event of Default (including upon actual or attempted enforcement of any security interest granted to the Company by the Customer); and
 - (b) in complying with any demand made under section 162 of the PPSA.
- 13.4 On the request of the Company, the Customer shall promptly do all things (including signing any delivery docket and/or invoice) and provide all information necessary to enable the Company to perfect and maintain the perfection of any security interest granted to the Company by the Customer (including by registration of a financing statement).

14. TWO OF MORE CONTRACTS

- 14.1 Where, at any time, there is an Amount Owing under two or more Contracts, the Company may apply a payment made by the Customer under the Contract in such manner (including in such order and to any amounts owing to the Company, including under another Contract) as the Company thinks fit (despite any direction to the contrary and whether before or after any default by the Customer). The security interest provided for by these Terms and created by the Contract also secures the Amount Owing under any other Contract, and each Contract (and these Terms) shall be construed accordingly.

15. DISPUTE RESOLUTION

- 15.1 The parties will act in good faith and make reasonable endeavours to resolve any dispute between them arising out of or in connection with these Terms or Contract (Dispute).
- 15.2 If the parties are unable to resolve a Dispute within 14 days of it being raised for discussion, either party may, by written notice to the other party, require that the Dispute be submitted for mediation by a single mediator nominated by the chairperson of Arbitrators' and Mediators' Institute of New Zealand. In the event of any such submission to mediation:
 - (a) the mediator will be deemed to be not acting as an expert or an arbitrator;
 - (b) the mediator will determine the procedure and timetable for the mediation; and
 - (c) the cost of the mediation will be shared equally between the parties (unless otherwise agreed).
- 15.3 If there is a Dispute, each party will continue to perform its obligations under these Terms and any Contract, including to pay any undisputed amounts when due, as far as practical given the Dispute.
- 15.4 Each party agrees not to start any action in relation to a Dispute until it has complied with the process described in this clause 15, unless action is necessary to preserve the party's rights.

16. USE OF INFORMATION

- 16.1 The Customer agrees that:

- (a) the Company may collect information about the Customer from the Customer or any other person (including any credit or debt collection agencies) in the course of the Company's business, including credit assessment, debt collecting and direct marketing activities, and the Customer consents to any person providing the Company with such information;
 - (b) the Company may use any information it has about the Customer relating to the Customer's credit worthiness and give that information to any other person, including any credit or debt collection agency for credit assessment and debt collection purposes;
 - (c) any other information collected by the Company about the Customer is accessed or collected for use in the course of its business, including direct marketing activities;
 - (d) it must notify the Company of any change in circumstances that may affect the accuracy of the information provided by the Customer to the Company.
- 16.2 If the Customer is an individual, i.e.: a natural person, the Customer has rights under the Privacy Act 1993 to access and request the correction of any personal information which the Company holds about the Customer.

17. GENERAL

- 17.1 Authority: Each party warrants that it has the power to enter into, execute and perform the Contract (including these Terms) and has obtained all necessary consents to enable it to do so.
- 17.2 Intellectual Property: All intellectual property owned by, or proprietary to, a party at the date of the Contract will remain owned exclusively by that party.
- 17.3 Assignment: The Customer must not transfer or assign its rights or obligations under the Contract to anyone else without the Company's prior consent in writing.
- 17.4 Amendments: These Terms may be amended by the Company from time to time by publication on the Company's website and/or by notice in writing to the Customer and such amendments will apply to all future Contracts after the date of the amendment.
- 17.5 Remedies cumulative: The rights and remedies provided in these Terms are cumulative and not exclusive of any rights or remedies provided by these Terms or law.
- 17.6 Severance: If any provision of these Terms or of any Contract is illegal, invalid or unenforceable, that provision shall be read down to the extent necessary to make it legal, valid and enforceable.
- 17.7 Waiver: Any failure or delay by either party in exercising any of its rights under these Terms will not operate as a waiver of its rights and will not prevent such Party from subsequently enforcing any right or treating any breach by the other Party as a repudiation of the Contract.

18. WORDS USED IN THESE TERMS

- 18.1 Definitions: In these Terms, unless the context requires otherwise:
 - (a) Amount Owing means, at any time in respect of the Contract, the unpaid part of the Price and any other amounts which the Company is entitled to recover under the Contract (including these Terms);
 - (b) Contract Date means:
 - (i) for a Contract arising from an order placed by the Customer, the date the Company accepted the order; or
 - (ii) for a Contract arising from a quotation from the Company, the date the Company receives written notification of acceptance of the quotation or, if the Company receives no written notification of acceptance of the quotation, the date the Company receives a form of acceptance that the Company (in its absolute discretion) treats as a valid acceptance;
 - (c) Company means 43 South Limited (Company number 6232188);
 - (d) Customer means the entity or individual to whom the Company supplies Goods and/or Services. For the avoidance of doubt, "Customer" does not include any third party to whom the Customer on sells or resells the Goods.
 - (e) Event of Default means any of the following:
 - (i) the Customer fails to comply with the Contract or any other Contract or agreement with the Company;
 - (ii) the Customer is subject to any event which is in the nature of dissolution, winding up, bankruptcy, liquidation, insolvency or receivership, or which generally precedes such an event;
 - (iii) an event occurs or information becomes known to the Company, which in the Company's opinion, might materially affect the Customer's credit worthiness, the value of the Goods, or the Customer's ability or willingness to comply with its obligations under the Contract or any other Contract or agreement with the Company;
 - (iv) any guarantor of the Customer's obligations under the Contract is in default under any agreement between the guarantor and the Company;'
 - (f) Goods means all goods supplied by the Company to the Customer from time to time under the Contract, provided that:
 - (i) (but solely for the purposes of the application of the PPSA) where the goods supplied are inventory of the Customer, then all references to Goods shall, in respect of those goods, be read as references to inventory for so long as they are held as inventory; and
 - (ii) references to Goods shall mean the goods described or referred to (whether by item or kind or otherwise) in the relevant delivery docket or invoice (or its equivalent, what ever called) prepared by the Company on the basis that each such delivery docket or invoice (or its equivalent) is deemed to be assented to by the Customer and to be included in and form part of the Contract; and
 - (iii) unless the context requires otherwise, Goods shall include all proceeds of such goods and any objects, products or mass which the goods subsequently become part of;
 - (g) GST means Goods and Services Tax;
 - (h) PPSA means the Personal Property Securities Act 1999;
 - (i) Price means the price of Goods and (if applicable) any incidental Goods and/or Services agreed between the Company and the Customer, subject to any variation in accordance with these Terms and, unless specifically agreed otherwise in writing, is expressed before the addition of GST and any other applicable taxes and duties; and
 - (j) Services means all services and advice provided by the Company to the Customer and shall include without limitation the importing, design, manufacture and servicing of water treatment chemicals and water treatment equipment programs and systems and all charges for labour, hire charges, insurance charges, or any fee or charge associated with the supply of Goods and/or Services by the Company to the Customer.
 - (k) Special Goods means Goods which are not contained in the Company's current printed price book for Goods and Services as at the Contract Date and/or Goods made to the Customer's specifications.

Please refer to our website for manufacturers' terms and conditions

ENGINEERING

APPROXIMATE WATER REQUIREMENTS

Application	Litres	Gallons
Shower	5-15 lpm @ 140 kPa	1-3 gpm @ 20 psi
Fill Bath	140	30
Flush Toilet	5-15 lpm	1-3
Lawn Sprinkler	15 lpm @ 140 kPa	3 gpm @ 20 psi
1/2" Tap	45 lpm @ 140 kPa	10 gpm @ 20 psi
Horses	45 per day	10 per day
Cattle	55 per day	12 per day
Milking Cows	135 per day	30 per day
Sheep	4-9 per day	1-2 per day
Pigs	15 per day	3 per day
100 chickens	23 per day	5 per day

The daily requirement should be able to be pumped in three hours in order to ensure adequate capacity to meet peak load demands.

VELOCITY OF WATER IN METRES PER SECOND

LPM	INSIDE DIAMETER OF PIPE (MM)					
	20	25	32	40	50	63
25	1.33	0.85	0.52	0.33	0.21	0.13
50	2.65	1.70	1.04	0.66	0.042	0.27
75	3.98	2.55	1.55	0.99	0.064	0.40
100	5.30	3.39	2.07	1.33	0.85	0.53
150	7.95	5.09	3.11	1.99	1.27	0.80
200	10.60	6.79	4.14	2.65	1.70	1.07
250	13.26	8.48	5.18	3.31	2.12	1.34
300	15.91	10.18	6.21	3.98	2.55	1.60
350	18.58	11.88	7.25	4.64	2.97	1.87
400	21.21	13.57	8.28	5.30	3.39	2.14

*Recommended suction velocities in **BOLD**

UNITS OF FLOW

Litres Per Second	Litres Per Minute	Cubic Metres Per Hour	US Gallons Per Minute	Imperial Gallons Per Hour	Imperial Gallons Per Minute
1	60	3.6	15.85	702	13.2
0.017	1	0.06	0.264	13.2	0.22
0.278	16.667	1	4.4	220	3.666
0.063	3.785	0.227	1	50	0.833
0.00127	0.076	0.00454	0.02	1	0.0166
0.076	4.546	0.273	1.2	60	1



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Price List effective as at 1/7/2023

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