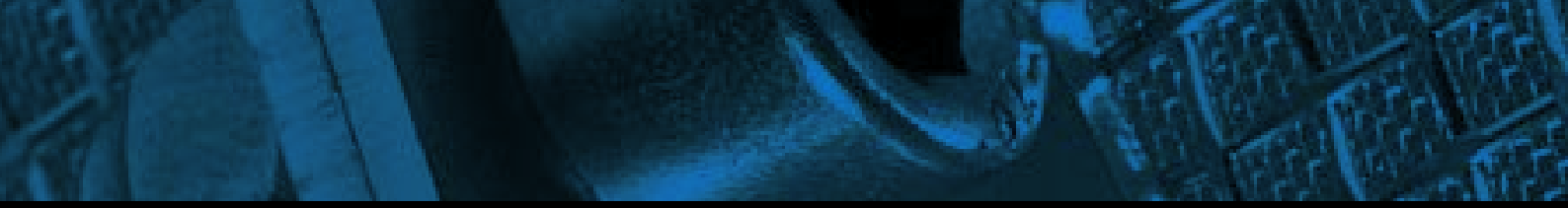
PRODUCT GUIDE 2021

rotorflush
Self-Cleaning Filters



Why You Need a Self-cleaning Pump Filter

Wouldn't it be great to have a self-cleaning filterpump and not have to worry about the pump filter clogging or the pump failing?

Our robust and reliable self-cleaning intake strainers and submersible filterpumps filter out debris that blocks pumps. They keep their filter screens clear and clean with a continuous automatic backwash system. A self-cleaning pump filter ends the worry of a constantly blocking filter or pump.

Our filters allow the use of high pressure, multi stage pumps in water contaminated with suspended solids – e.g. final effluent, flood water, lake and river water, and waste water from industry. A blocked filter can quickly cause a pump to dry run and damage the pump motor – unless it has a suction-side Rotorflush self-cleaning pump filter.

In addition, valuable equipment – heat exchangers, water features, irrigation equipment, fountains etc – are protected from blocking. At the least this saves on downtime and maintenance and at best protects against loss of expensive machinery.

Life's too short to spend time unblocking pumps and filters!

Rotorflush's continuous backwash Self-cleaning Filters and Suction Strainers keep filters clear, keep pumps running, protect upstream equipment and minimise maintenance for trouble-free operation.

We also supply submersible pumps with our award winning intake filters integrated into their design

Water filtration and pumping combined. Our submersible filterpumps with a built self-cleaning pump filter combine suction intake filtration and pumping directly from a water source. All our submersible filterpumps have a built-in self-cleaning mechanism driven by an additional impeller in the pump.

Installation and operation are simple, put it in the water and plug it in. The self-cleaning mechanism keeps the filter clean and the pump delivers filtered water – output is uninterrupted by the backwash. Typical uses are filtering and pumping water from dirty lagoons lakes or rivers, filtering wash water for water treatment works, filtering water used in industrial processes and many other applications where dirty water is recycled or needs to be cleaned up before disposal.

A Revolutionary In-line Filter

Rotorflush Filters now offer a self-cleaning In-line Filter System with automatic backwashing and purge. This is a very efficient trouble-free In-line Filter for industrial water re-use and heat recovery that cleans itself as it runs.

This powerful and reliable in-line filter has an 18 cubic metre per hour capacity for effective filtration of dirty water. It operates at pressures up to 8 bar and temperatures up to 80 degrees Celsius.

Originally designed for lint removal and to enable energy savings in industrial laundries, this powerful low maintenance in-line filter system will clean up your industrial process water for re-use or disposal.

The removal of suspended solids from waste water can greatly reduce disposal costs.

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SUBMERSIBLE
FILTERPUMPS

A range of high quality submersible pumps with self-cleaning filters built-in. The pumps are fitted with self-cleaning filters that prevent the pump and filter from blocking. They use a continuous automatic backwash to clean the filter screen while delivering an uninterrupted supply of filtered output. They are ideal for use in water contaminated with suspended solids.

The self-cleaning inlet filters are capable of filtering from 9 to 150 cubic metres per hour. They have screen apertures ranging from 50 – 315 microns on the fine filters, and 0.5 - 6mm for coarser filtration. They protect the pump and other equipment from blockage. They extend pump life and reduce maintenance to a minimum.

FILTER WATER FOR:

- LANDSCAPE IRRIGATION
- WASTE WATER TREATMENT
- FOUNTAINS AND WATER FEATURES
- LAUNDRIES
- ONLINE ANALYSERS
- FARM USE
- VEGETABLE WASHING
- AND MUCH MORE...

PLEASE NOTE:

Our filters are designed for use in dirty water or liquids with a viscosity close to that of water.

Our filters and filterpumps are NOT suitable for use in raw sewage or any other dirty water which contains oils or fat.

Omnia

SUBMERSIBLE FILTERPUMPS

Omnia range submersible pumps

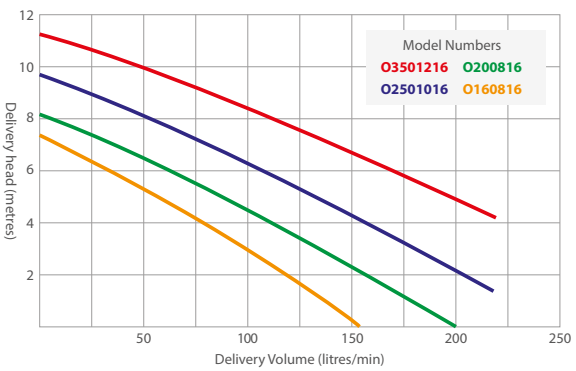
Our Omnia Range submersible pumps are low head filterpumps with integral self-cleaning intake filters. They have a maximum output of 220 litres/minute and an 11 metre maximum head. 1 bar.

Pump bodies and self-cleaning intakes are stainless steel. The Omnia Range submersible pumps can be fitted with a 60, 115 or 300 micron aperture nylon screens. A range of stainless steel mesh options are also available, please see below.

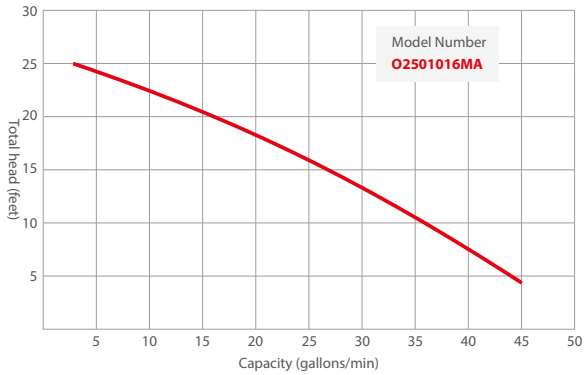
They are all single phase 230v motor pumps and the O2008-16 model has an 110v motor option. The O25010-16 is available in both 230v 50 Hz and 115v 60Hz version

Omnia pumps are used extensively as sample pumps for water quality monitoring and are ideal for open loop heat pump systems.

Performance curves for Omnias with single phase 230v 50Hz motors



Performance curves for Omnias with single phase 115v 60Hz motors



M = Manual MA = Auto with Float Switch

Model	Voltage	Outlet	kW	Amp	Lpm / Head (m)	Height x Ø Diameter (mm)	Kg
Omnia O1608-16M	230	1¼"	0.40	2.4	150 / 7	453 x 220	9.5
Omnia O1608-16MA	230	1¼"	0.40	2.4	150 / 7	453 x 220	9.5
Omnia O25010-16M	230	1¼"	0.55	4.5	225 / 10	491 x 220	10
Omnia O25010-16MA	230	1¼"	0.55	4.5	225 / 10	491 x 220	10
Omnia O25010-16MA US	115	1¼"	0.55	4.5	225 / 10	491 x 220	10
Omnia O35012-16M	230	1¼"	0.80	5.1	225 / 11	491 x 220	11.5
Omnia O35012-16MA	230	1¼"	0.80	5.1	225 / 11	491 x 220	11.5
Omnia O2008-16M	110	1¼"	0.55	7.8	200 / 8	491 x 220	10
Omnia O2008-16MA	110	1¼"	0.55	7.8	200 / 8	491 x 220	10

*Standard nylon mesh sizes are 60, 115 and 300 microns
Stainless steel mesh sizes 50, 100 and 315 micron and 0.5mm to 3mm available

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Idrogo

SUBMERSIBLE FILTERPUMPS UP TO 220 L/MIN

Idrogo range submersible pumps

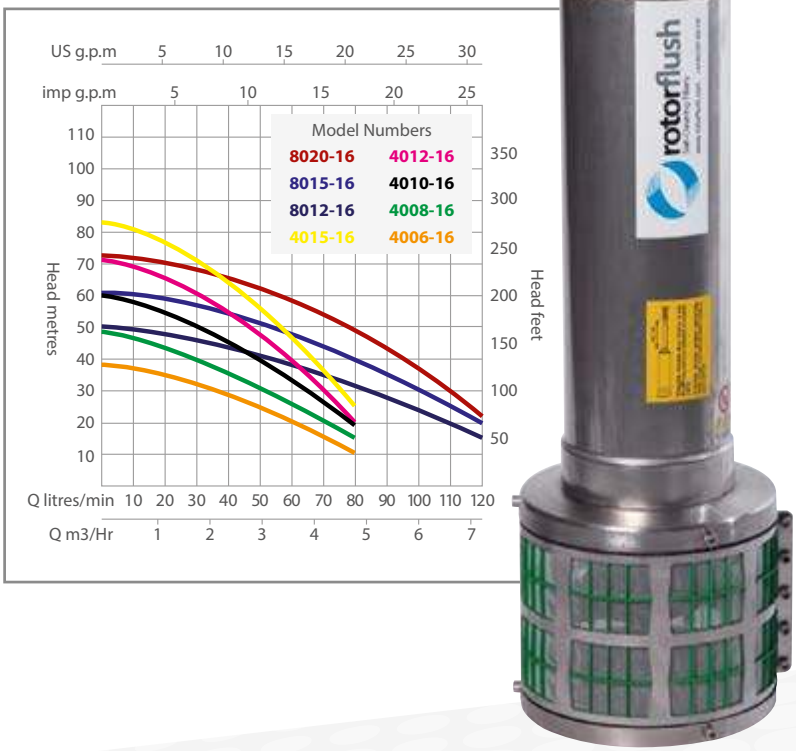
Our Idrogo Range submersible filterpumps have a maximum output of 120 litres per minute, maximum head 80 metres. They are a very robust, medium-head, multi-stage pump with an integral self-cleaning suction intake.

Pump bodies and self-cleaning intakes are stainless steel. The Idrogo Range submersible pumps can be fitted with a 60, 115 or 300 micron aperture nylon screens; and 50, 100 or 315 sintered stainless-steel mesh.

Smaller units are available with single phase 230v or 400v three phase pump motors. Larger unit motors are all three phase.

Typical uses for the Idrogos are filtering and pumping water from dirty lagoons, lakes, or rivers and filtering wash water for inlet screens.

All Idrogo Range Filterpumps are now available with **WRAS approved** pump motors if required.



M = Single Phase MA = Single Phase Auto with Float Switch T = Three Phase

Model	Voltage	Outlet	kW	Amp	Lpm / Head (m)	Height x Ø Diameter (mm)	Kg
Idrogo 4006-16M	230	1¼"	0.45	3.8	80 / 36	641 x 220	15
Idrogo 4008-16M	230	1¼"	0.6	4.3	80 / 48	641 x 220	17
Idrogo 4010-16M	230	1¼"	0.75	5.7	80 / 60	667 x 220	18
Idrogo 4012-16M	230	1¼"	0.9	6.8	80 / 72	718 x 220	19
Idrogo 4015-16M	230	1¼"	1.1	7.3	80 / 84	744 x 220	20
Idrogo 8012-16M	230	1¼"	0.9	6.4	120 / 50	668 x 220	18
Idrogo 8015-16M	230	1¼"	1.1	7.5	120 / 63	692 x 220	19
Idrogo 4008-16MA	230	1¼"	0.6	4.3	80 / 48	641 x 220	17
Idrogo 4010-16MA	230	1¼"	0.75	5.7	80 / 60	667 x 220	18
Idrogo 4012-16MA	230	1¼"	0.9	6.8	80 / 72	718 x 220	19
Idrogo 4015-16MA	230	1¼"	1.1	7.3	80 / 84	744 x 220	20
Idrogo 8012-16MA	230	1¼"	0.9	6.4	120 / 50	668 x 220	18
Idrogo 8015-16MA	230	1¼"	1.1	7.5	120 / 63	692 x 220	19
Idrogo 4008-16T	415	1¼"	0.6	4.3	80 / 48	641 x 220	17
Idrogo 4010-16T	415	1¼"	0.75	5.7	80 / 60	667 x 220	18
Idrogo 4012-16T	415	1¼"	0.9	6.8	80 / 72	718 x 220	19
Idrogo 4015-16T	415	1¼"	1.1	7.3	80 / 84	744 x 220	20
Idrogo 8012-16T	415	1¼"	0.9	6.4	120 / 50	668 x 220	18
Idrogo 8015-16T	415	1¼"	1.1	7.5	120 / 63	692 x 220	19
Idrogo 8020-16T	415	1¼"	1.5	3.5	120 / 75	718 x 220	20

*Standard nylon mesh sizes are 60, 115 and 300 microns
Stainless steel mesh sizes 50, 100 and 315 micron available

Nauti

SUBMERSIBLE FILTERPUMPS UP TO 220 L/MIN

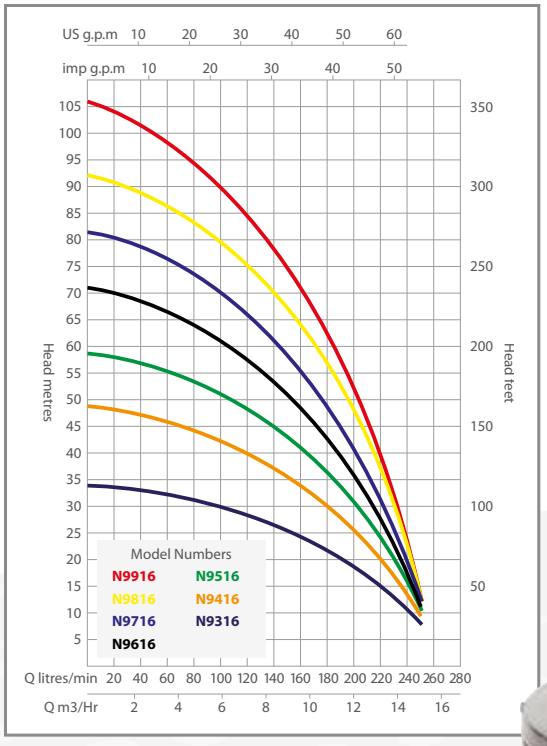
Nauti range submersible pumps

Our Nauti Range submersible filterpumps have a maximum output of 220 litres per minute and can pump up to 10 bar. They are powerful high-head multi-stage pumps with built-in self-cleaning suction intake filters.

Pump bodies and self-cleaning intakes are stainless steel. The Nauti Range submersible pumps can be fitted with a 60, 115, 300 micron aperture nylon screens, and 50, 100 or 315 sintered stainless-steel mesh.

Smaller units are available with single phase 230v or 400v three phase pump motors. Larger unit motors are all three phase.

The Nauti Range pumps are a favourite of the water industry and are used for pumping and filtering final effluent for wash water. They are excellent for keeping fountains running without blocking and irrigation nozzles clear.



M = Single Phase MA = Single Phase Auto with Float Switch T = Three Phase

Model	Voltage	Outlet	kW	Amp	Lpm / Head (m)	Height x Ø Diameter (mm)	Kg
Nauti N93-16M	230	1¼"	1.1	7.5	225 / 35	650 x 220	15
Nauti N94-16M	230	1¼"	1.5	10.2	225 / 45	730 x 220	17
Nauti N95-16M	230	1¼"	2.2	11.8	225 / 57	760 x 220	18
Nauti N96-16M	230	1¼"	2.2	13	225 / 67	790 x 220	19
Nauti N93-16MA	230	1¼"	1.1	7.5	225 / 35	650 x 220	20
Nauti N94-16MA	230	1¼"	1.5	10.2	225 / 45	730 x 220	18
Nauti N95-16MA	230	1¼"	2.2	11.8	225 / 57	760 x 220	18
Nauti N96-16MA	230	1¼"	2.2	13	225 / 67	790 x 220	19
Nauti N93-16T	415	1¼"	1.1	2.8	225 / 35	650 x 220	18
Nauti N94-16T	415	1¼"	1.5	3.65	225 / 45	730 x 220	19
Nauti N95-16T	415	1¼"	2.2	4.5	225 / 57	760 x 220	20
Nauti N96-16T	415	1¼"	2.2	5.1	225 / 67	790 x 220	18
Nauti N97-16T	415	1¼"	3	6.3	225 / 79	820 x 220	19
Nauti N98-16T	415	1¼"	3	6.9	225 / 90	850 x 220	17
Nauti N99-16T	415	1¼"	3	7.4	225 / 103	880 x 220	18

*Standard nylon mesh sizes are 60, 115 and 300 microns
Stainless steel mesh sizes 50, 100 and 315 micron available

Jasper 400

SUBMERSIBLE FILTERPUMPS UP TO 1000 L/MIN

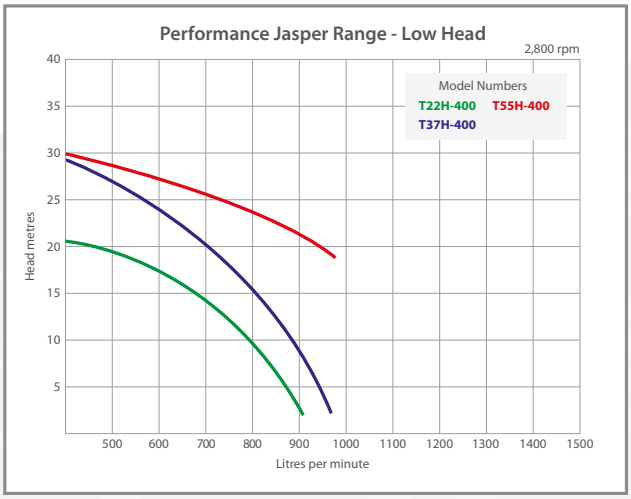
Jasper 400 range

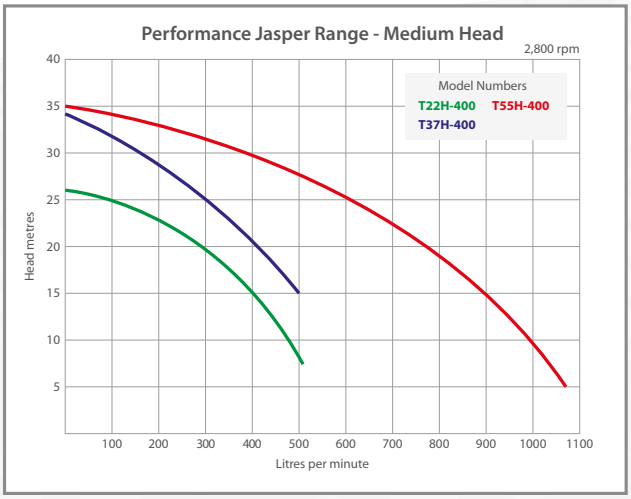
Our Jasper 400 submersible filterpumps have a maximum output of 1000 litres per minute and can pump up to 38 metres. They are powerful medium-head multi-stage pumps with built-in self-cleaning suction intake filters.

Pump sleeve, casing, shaft and self-cleaning intakes are stainless steel. The Jasper Range can be fitted with 315 sintered stainless-steel mesh, or 1mm, 2mm or 3mm woven stainless steel mesh.

The durable three phase 415v motors have thermal overload protection and are available with both 50 and 60 Hz motors.

The Jasper Range are excellent all-purpose pumps for low maintenance use is in dirty water conditions.

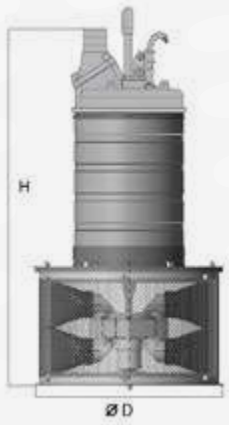




All Three Phase Motors

Model	Voltage	Outlet	kW	Amp	Lpm / Head (m)	Height x Ø Diameter (mm)	Kg
Jasper T22-400	415	3" or 4"	2.2	5.0	800 / 21	728 x 420	70
Jasper T37-400	415	3" or 4"	3.7	5.0	900 / 29	728 x 420	70
Jasper T55-400	415	4"	5.5	7.9	1000 / 29	733 x 420	75
Jasper T22H-400	415	2" or 3"	2.2	7.9	500 / 26	733 x 420	75
Jasper T37H-400	415	2" or 3"	3.7	12.0	500 / 34	838 x 420	90
Jasper T55H-400	415	3" or 4"	5.5	12.0	1000 / 35	798 x 420	90

*Standard woven stainless-steel mesh sizes – 1mm – 6mm woven.
315 micron sintered stainless steel mesh
3mm and 6mm perforated stainless steel mesh is also available.



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RUBI 400

SUBMERSIBLE FILTERPUMPS UP TO 1000 L/MIN

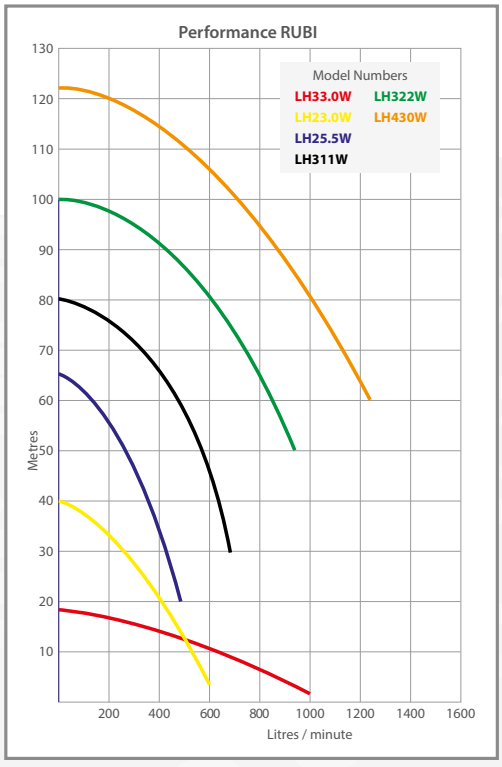
RUBI 400 range

Our RUBI Range submersible filterpumps have a maximum output of 1000 litres per minute and can pump up to 12 bar. They are powerful medium-and high head multi-stage pumps with built-in self-cleaning suction intake filters.

The Pump casings are cast iron, the impellers are chromium iron and the and the self-cleaning intakes are stainless steel. The RUBI Range can be fitted with 315 sintered stainless-steel mesh, or 1mm, 2mm or 3mm woven stainless steel mesh.

The three phase 415v motors have thermal overload protection and are available with 50 or 60 Hz motors.

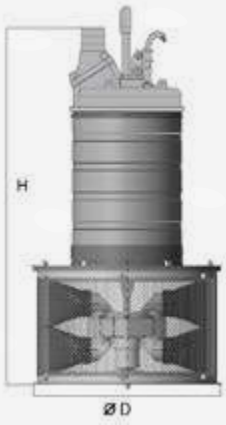
The RUBI Range filterpumps are extremely tough and durable and have been designed for use in mines and other harsh environments. They have a maximum operating depth of 50 metres.



All Three Phase Motors

Model	Voltage	Outlet	kW	Amp	Lpm / Head (m)	Height x Ø Diameter (mm)	Kg
RUBI LH23-400R	415	50	3	7	600 / 40	816 x 420	65
RUBI LH33-400R	415	50	3	7	940 / 20	816 x 420	61
RUBI LH25.5W-400AR	415	50	5.5	11.5	490 / 65	1000 x 420	105
RUBI LH311W-400AR	415	80	11	22.5	700 / 81	1180 x 420	150
RUBI LH322W-400AR	415	80	22	40	940 / 102	1484 x 420	329
RUBI LH430W-400AR	415	100	30	55	940 / 123	1625 x 420	344

*Standard woven stainless-steel mesh sizes – 1mm – 6mm woven.
315 micron sintered, 3mm and 6mm perforated, stainless steel mesh is also available.



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COBALT 400

SUBMERSIBLE FILTERPUMPS UP TO 1000 L/MIN

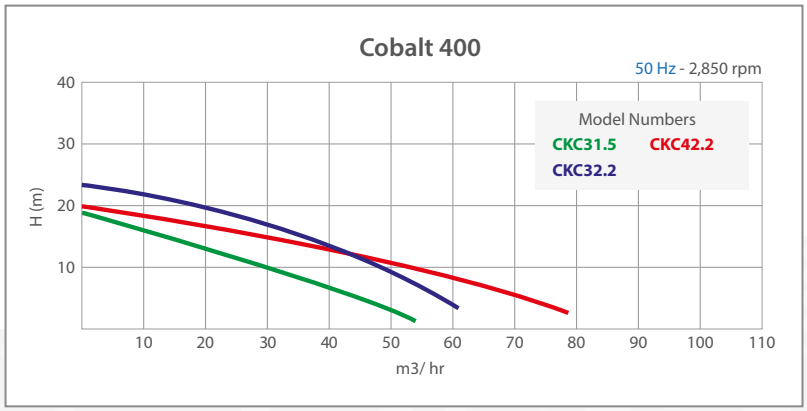
COBALT 400 range

Our COBALT 400 submersible filterpumps have a maximum output of 1000 litres per minute and can pump up to 22 metres. They are powerful low-head pumps with built-in self-cleaning suction intake filters.

The Pump has a cast iron upper cover, a strengthened AIS1304SS motor case, chromium iron impeller and a stainless steel self-cleaning intake. The COBALT 400 Range can be fitted with 315 sintered stainless-steel mesh, or 1mm, 2mm or 3mm woven stainless steel mesh.

The three phase 415v motors have thermal overload protection and are available with 50 or 60 Hz motors.

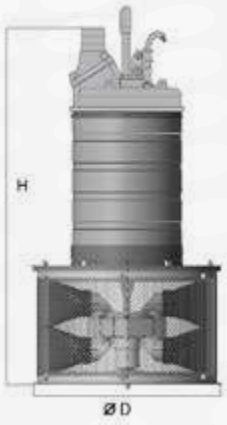
The COBALT 400 Range filterpumps are extremely tough and durable, have a maximum operating depth of 25 metres and are ideal for use in challenging environments.



Three Phase Motors

Model	Voltage	Outlet	kW	Amp	Lpm / Head (m)	Height x Ø Diameter (mm)	Kg
COBALT CKC31.5 400	415	75	1.5	4	53 / 18	745 x 420	60
COBALT CKC32.2 400	415	75	2.2	5.5	60 / 22	745 x 420	63
COBALT CKC42.2 400	415	100	2.2	5.5	60 / 19.5	765 x 420	63

*Standard woven stainless-steel mesh sizes – 1mm – 6mm woven.
315 micron sintered, 3mm and 6mm perforated stainless steel mesh is also available.



Sapphire 400

SUBMERSIBLE FILTERPUMPS UP TO 1000 L/MIN

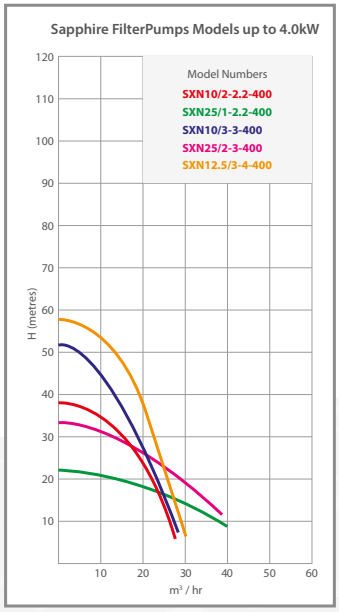
Sapphire 400 range

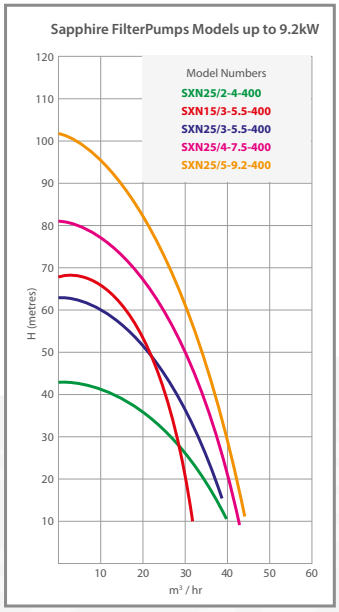
Our Sapphire 400 submersible filterpumps have a maximum output of 1000 litres per minute and can pump up to 20 bar (290 psi). They are robust high-head pumps with built-in self-cleaning suction intake filters.

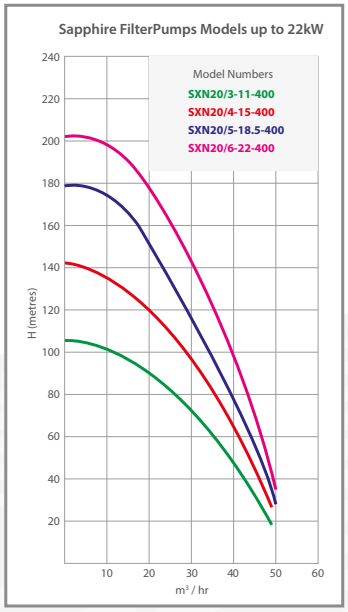
These filterpumps have a cast iron motor casing and pump casing with a stainless-steel outer sleeve and a stainless-steel self-cleaning intake. The Sapphire 400 filterpumps can be fitted with 315 sintered stainless-steel mesh, or 1mm, 2mm or 3mm woven stainless steel mesh.

The three phase 415v motors have internal overload monitoring (thermal cut-out) and are available with both 50 and 60 Hz motors.

The Sapphire Range are powerful high-pressure pumps offering low maintenance use in dirty water conditions. Ideal for fountains, wash water and higher-pressure irrigation.

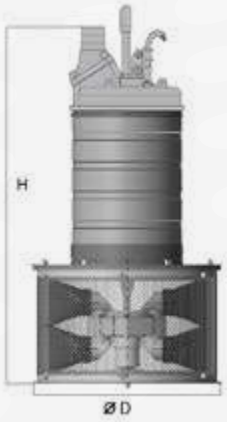






All Three Phase Motors

Model	Voltage	Outlet	kW	Amp	Lpm / Head (m)	Height x Ø Diameter (mm)	Kg
Sapphire SXN10/2-2.2-400	415	50	2.2	5.4	467 / 38	785 x 420	93
Sapphire SXN25/1-2.2-400	415	65	2.2	5.4	617 / 23	745 x 420	87
Sapphire SXN10/3-3-400	415	50	3	7.2	467 / 51	830 x 420	102
Sapphire SXN25/2-3-400	415	65	3	7.2	617 / 33	800 x 420	97
Sapphire SXN12.5/3-4-400	415	50	4	8.8	500 / 57	865 x 420	107
Sapphire SXN25/2-4-400	415	65	4	8.8	667 / 43	830 x 420	104
Sapphire SXN15/3-5.5-400	415	50	5.5	11.7	533 / 67	910 x 420	115
Sapphire SXN25/3-5.5-400	415	65	5.5	11.7	667 / 64	935 x 420	118
Sapphire SXN25/4-7.5-400	415	65	7.5	15.7	700 / 84	1055 x 420	132
Sapphire SXN25/5-9.2-400	415	65	9.2	19.1	733 / 104	1140 x 420	146
Sapphire SXN20/3-11-400	415	65	11	22	833 / 106	1125 x 420	218
Sapphire SXN20/4-15-400	415	65	15	31	833 / 142	1222 x 420	250
Sapphire SXN20/5-18.5-400	415	65	18.5	37.2	833 / 178	1296 x 420	275
Sapphire SXN20/6-22-400	415	65	22	45	833 / 203	1423 x 420	322



*Standard woven stainless-steel mesh sizes – 1mm – 6mm woven.
315 micron sintered, 3mm and 6mm, perforated stainless steel mesh is also available.

Topaz 400

SUBMERSIBLE FILTERPUMPS UP TO 1000 L/MIN

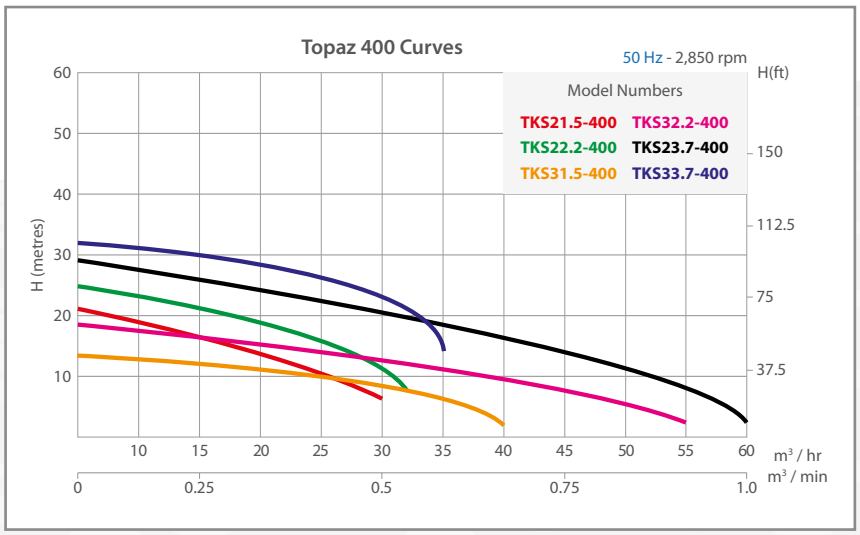
Topaz 400 range

Our Topaz 400 submersible filterpumps have a maximum output of 1000 litres per minute and can pump up to 32 metres. They are powerful low to medium-head pumps with built-in self-cleaning suction intake filters.

These filterpumps have a cast iron upper cover, a strengthened AIS1304SS motor case, a chromium iron impeller and a stainless-steel self-cleaning intake. The Topaz 400 can be fitted with 315 sintered stainless-steel mesh, or 1mm, 2mm or 3mm woven stainless steel mesh.

The durable three phase 415v motors have internal overload monitoring (thermal cut-out) and are available with both 50 and 60 Hz motors.

The Topaz 400 Range are excellent all-purpose pumps for low maintenance use is in dirty water conditions.



All Three Phase Motors

Model	Voltage	Outlet	kW	Amp	Lpm / Head (m)	Height x Ø Diameter (mm)	Kg
Topaz TKS21.5-400	415	50	1.5	3.5	500 / 21	733 x 420	57
Topaz TKS31.5-400	415	80	1.5	3.5	700 / 14	733 x 420	57
Topaz TKS22.2-400	415	50	2.2	5	533 / 25	733 x 420	60
Topaz TKS32.2-400	415	80	2.2	5	915 / 18.5	733 x 420	60
Topaz TKS23.7-400	415	50	3.7	7.7	600 / 32	685 x 420	78
Topaz TKS33.7-400	415	80	3.7	7.7	1000 / 29	685 x 420	78

*Standard woven stainless-steel mesh sizes – 1mm – 6mm woven.
315 micron sintered, 3mm and 6mm perforated, stainless steel mesh is also available.

COBALT 600

SUBMERSIBLE FILTERPUMPS UP TO 2500 L/MIN

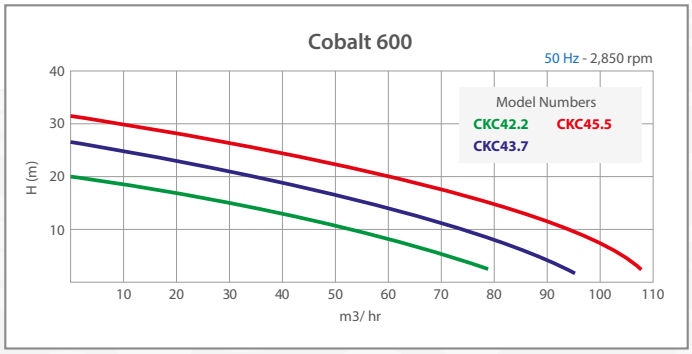
COBALT 600 range

Our COBALT 600 submersible filterpumps have a maximum output of 1800 litres per minute and can pump up to 30 metres. They are powerful low-head pumps with built-in self-cleaning suction intake filters.

The filterpump has a cast iron upper cover, a strengthened AIS1304SS motor case, chromium iron impeller and a stainless-steel self-cleaning intake. The COBALT 600 Range can be fitted with 315 sintered stainless-steel mesh, or 1mm, 2mm or 3mm woven stainless steel mesh.

The three phase 415v motors have thermal overload protection and are available with 50 or 60 Hz motors.

The COBALT 600 Range filterpumps are extremely tough and durable, have a maximum operating depth of 25 metres and are ideal for use in dirty conditions.



All Three Phase Motors

Model	Voltage	Outlet	kW	Amp	Lpm / Head (m)	Height x Ø Diameter (mm)	Kg
COBALT CKC42.2 600	415	100 mm	2.2	5.5	1300 / 19.5	965 x 655	63
COBALT CKC43.7 600	415	100 mm	3.7	7.7	1600 / 25	1050 x 655	82
COBALT CKC45.5 600	415	100 mm	5.5	12	1800 / 30	1090 x 655	90

*Standard woven stainless-steel mesh sizes – 1mm – 6mm woven.
315 micron sintered, 3mm and 6mm perforated stainless steel mesh is also available.

Sapphire 600

SUBMERSIBLE FILTERPUMPS UP TO 2500 L/MIN

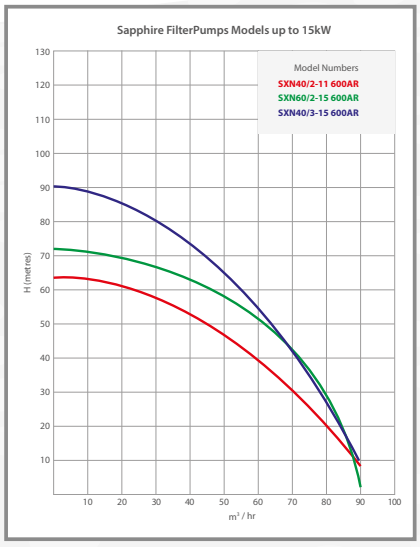
Sapphire 600 range

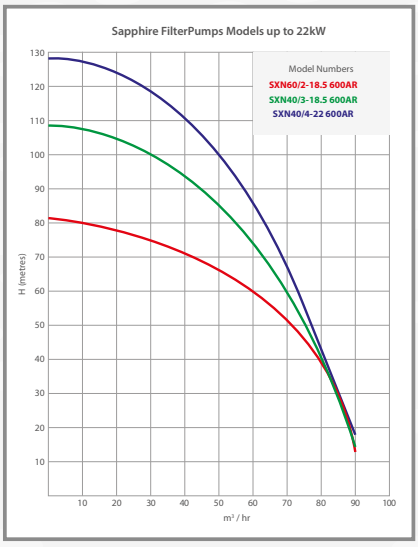
Our Sapphire 600 submersible filterpumps have a maximum output of 1500 litres per minute and can pump up to 123 metres. They are tough high-head pumps with built-in self-cleaning suction intake filters.

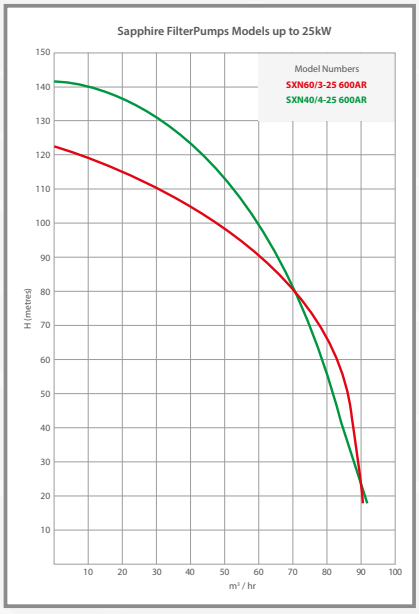
These filterpumps have a cast iron motor casing and pump casing with a stainless-steel outer sleeve and a stainless-steel self-cleaning intake. The Sapphire 600 filterpumps can be fitted with 315 sintered stainless-steel mesh, or 1mm, 2mm or 3mm woven stainless steel mesh.

The three phase 415v motors have internal overload monitoring (thermal cut-out) and are available with both 50 and 60 Hz motors.

The Sapphire Range are powerful high-pressure pumps offering low maintenance use in dirty water conditions. Ideal for fountains, wash water and higher-pressure irrigation.







All Three Phase Motors

Model	Voltage	Outlet	kW	Amp	Lpm / Head (m)	Height x Ø Diameter (mm)	Kg
Sapphire SXN40/2-11 600	415	80	11	22	1500 / 63	1485 x 620	255
Sapphire SXN40/3-15 600	415	80	15	31	1500 / 90	1605 x 620	285
Sapphire SXN60/2-15 600	415	100	15	31	1500 / 73	1530 x 620	270
Sapphire SXN40/3-18.5 600	415	80	18.5	37.2	1500 / 108	1620 x 620	305
Sapphire SXN60/2-18.5 600	415	100	18.5	37.2	1500 / 81	1550 x 620	285
Sapphire SXN40/4-22 600	415	80	22	45	1900 / 90	1775 x 620	320
Sapphire SXN40/4-25 600	415	80	25	51	2080 / 90	1775 x 620	360
Sapphire SXN60/3-25 600	415	100	25	51	1500 / 123	1700 x 620	340

*Standard woven stainless-steel mesh sizes – 1mm – 6mm woven.
315 micron sintered, 3mm and 6mm perforated, stainless steel mesh is also available.

Topaz 600

SUBMERSIBLE FILTERPUMPS UP TO 2500 L/MIN

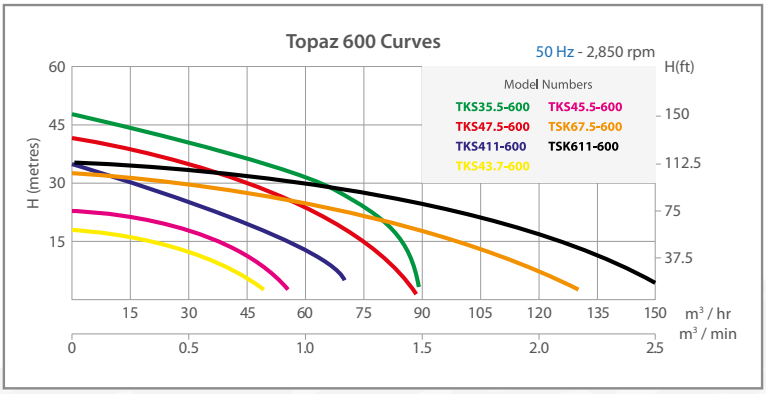
Topaz 600 range

Our Topaz 600 submersible filterpumps have a maximum output of 2500 litres per minute and can pump up to 48.5 metres. They are powerful medium-head pumps with built-in self-cleaning suction intake filters.

These filterpumps have a cast iron upper cover, a stainless-steel motor case and Outer casing, a high chrome alloy impeller and a stainless-steel self-cleaning intake. The Topaz 600 can be fitted with 315 sintered stainless-steel mesh, or 1mm, 2mm or 3mm woven stainless steel mesh.

The three phase 415v motors have internal overload monitoring (thermal cut-out) and are available with both 50 and 60 Hz motors.

The Topaz 600 Range are excellent all-purpose pumps for low maintenance use in dirty water and difficult environments.



Stand is optional

Outlet flanges can be fitted to suit

All Three Phase Motors

Model	Voltage	Outlet	kW	Amp	Lpm / Head (m)	Height x Ø Diameter (mm)	Kg
Topaz TKS43.7-600	415	100	3.7	7.7	1583 / 18	956 x 655	141
Topaz TKS35.5-600	415	80	5.5	11.4	1200 / 35	971 x 655	161
Topaz TKS45.5-600	415	100	5.5	11.4	1750 / 23	996 x 655	162
Topaz TKS47.5-600	415	100	7.5	15	1467 / 41	1151 x 655	203
Topaz TKS67.5-600	415	150	7.5	15	2167 / 32	1151 x 655	205
Topaz TKS411-600	415	100	11	22	1440 / 48.5	1195 x 655	218
Topaz TKS611-600	415	150	11	22	2500 / 34	1195 x 655	220

*Standard woven stainless-steel mesh sizes – 1mm – 6mm woven.
315 micron sintered, 3mm and 6mm perforated, stainless steel mesh is also available.

FILTERS
FOR ANALYSERS

Rotorflush Filters Ltd supplies self-cleaning filtration products specifically developed for water monitoring instruments and online analysers.

The Rotorflush Filter System for Analysers filters to 60 microns from a constant head. The output flow is not interrupted and the intake filter self-cleans to prevent blocking.

The system is particularly useful for systems using dosing pumps and where there is a need to continuously monitor water quality. The self-cleaning filter keeps the filter mesh clear to deliver low maintenance sampling and filtration.

We also supply submersible sample pumps with built-in self-cleaning intakes for use directly in your water supply.

Both products are ideal for supplying filtered sample water for ammonia, chlorine and phosphate analysis.

www.**rotorflush.com** Tel: **+44 (0)1297 560229** Email: **sales@rotorflush.com**

RF100AN-Q

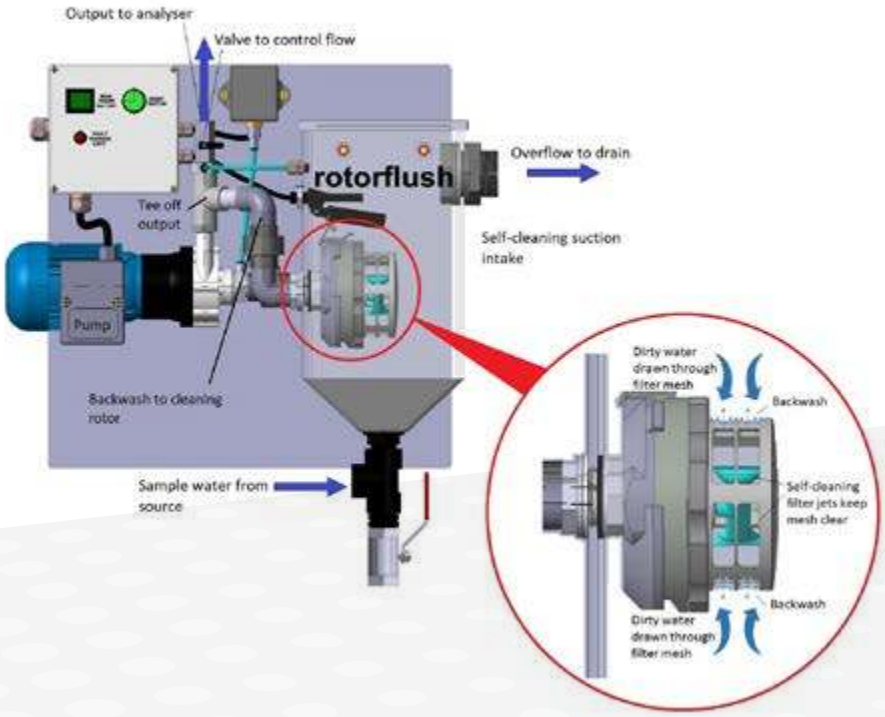
FILTERS FOR ANALYSERS

RF100AN-Q

The system samples from a continuous flow through a tank maintaining a constant water level. The pump drives the filter suppling from 0 – 16 litres/minute to your analyser. The self-cleaning filter head in the tank has backwashes whenever the pump is operating. This clears contaminants from the filter mesh allowing for very low maintenance operation even in very dirty water.

Debris greater than 60 microns is carried away through the overflow. Heavier particulate can be purged manually or automatically (APV version) using a valve at the base of the tank.

The system has built in dry run protections and volt free contacts to connect to telemetry if required.



Construction

Component	Material
Pump	Magnetic drive, polypropylene pump head
Filter head	Polypropylene, acetal with nylon filter screen
Backing board	PVC
Standard filter mesh screen	60, 115 or 250 micron nylon
Tank	Polyethylene
Pipework	PVC / ABS
IP66 Control Box	ABS

Sampling Directly from Source

All our smaller submersible pumps with integral self-cleaning intakes can be used for sampling. These filterpumps screen and pump sample water, and can filter from 60 - 250 microns.

See pages 5 – 7.

Model	Voltage	kW	Lpm Max	Full Load	Float Switch	Phase
RF100AN-Q 230v 50Hz	230	approx 0.25	16	2.1 amps	Yes	Single
RF100AN-Q 110v 50Hz	110	approx 0.28	16	4.2 amps	Yes	Single
RF100AN-Q 115v 60 Hz	115	approx 0.28	16	4.2 amps	Yes	Single

SELF-CLEANING
INTAKE FILTERS

Rotorflush Self-Cleaning Suction Intake Filters & Strainers are for use with surface mounted pumps. They are a welcome alternative to the traditional suction intake basket strainer.

All our filters are self-cleaning with an automatic backwash. The self-cleaning mechanism prevents the filter blinding or the pump blocking.

Our self-cleaning suction intake filters & strainers have capacities from 30 litres a minute to 1080 cubic metres per hour. Screen apertures range from 60 microns to 6mm depending on models.

They are used keeping pumps and equipment clear in the Water Industry, in Agriculture, in Food Manufacturing and in the oil and gas sector. They are ideal for Eel Screening.

Our filters and screens deliver low maintenance efficient screening in very difficult conditions.

SELF-CLEANING SUCTION INTAKE FILTERS & STRAINERS – FILTER FROM 1.8M³ TO 1080M³ / HOUR

www.**rotorflush.com** Tel: **+44 (0)1297 560229** Email: **sales@rotorflush.com**

RF100INDQ

SELF CLEANING INTAKE FILTERS

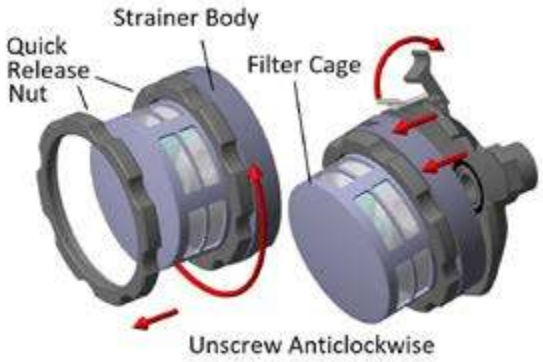
RF100INDQ

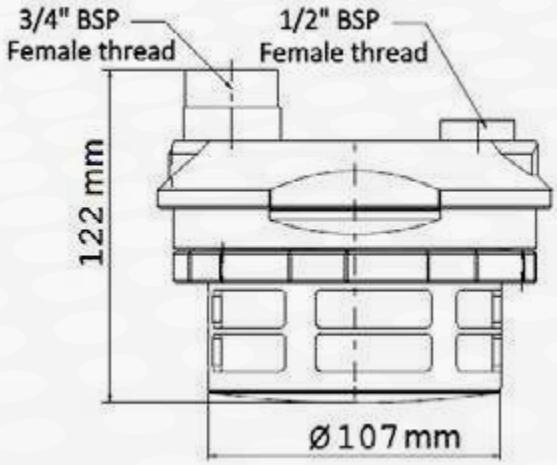
The RF100INDQ is the smallest of our- winning self-cleaning inlet filters. It filters up to 30 litres / minute. It is designed to protect dry mounted pumps and other equipment and connects to the suction side of your pump.

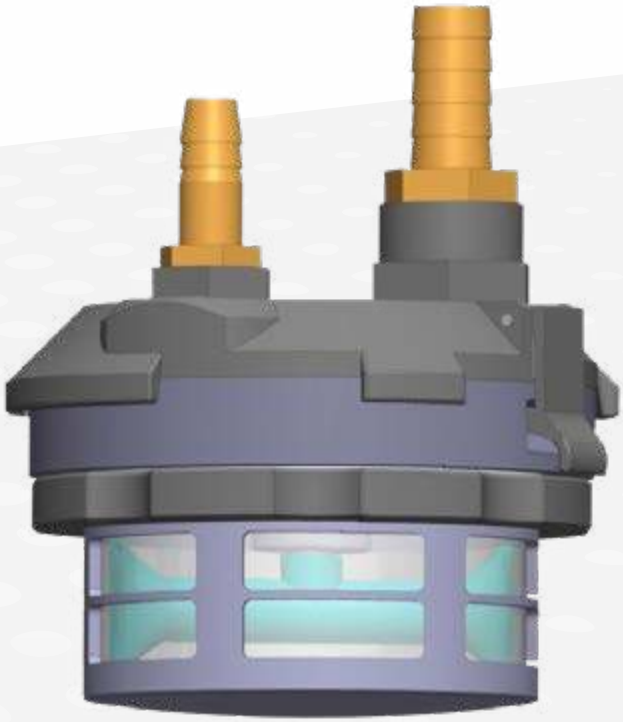
The filter screens out any debris or weed and the patented cleaning rotors keep the filter mesh clear. The RF100INDQ requires no external power source and operates whenever your pump is working.

The latest version of this highly efficient dirty water filter has quick release for simple and fast filter mesh changes.

Robust and reliable with compact lightweight design and simple connections, it can be used for many light industrial applications where there is a need to filter dirty water. Ideal as a pond pump filter and for protecting small water features.







RF100-IND Self Cleaning Pump Inlet General Characteristics	
Water supply to cleaning rotor	Tapped from pump outlet
Maximum output (m^3 / hour)	1.8
Standard screen mesh aperture (mm)	60, 115, 250 micron nylon mesh in polypropylene cage
Dimensions (diameter / width x height) mm (excl suctions / return couplings)	125 x 67
Weight (kg)	0.4

Materials	
Filter cage and lid	Polypropylene
Jets	Acetal copolymer
Body	ABS
Standard filter mesh screen	60, 115 or 250 Micron Nylon Mesh

RF100 Duplex

SELF CLEANING INTAKE FILTERS

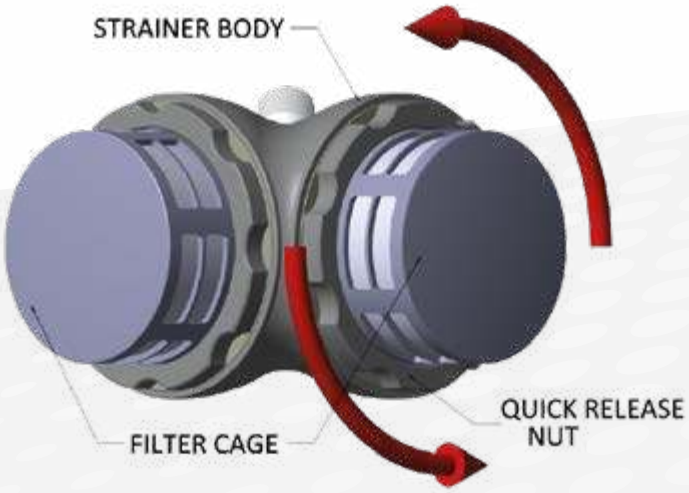
RF100 Duplex

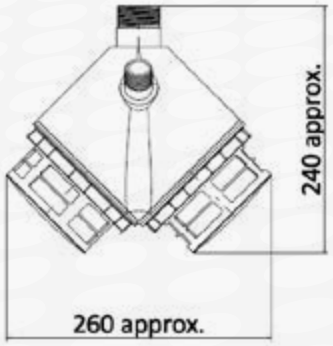
The RF100 Duplex self-cleaning inlet filter is a twin headed filter with a capacity of up to 60 litres / minute and is designed to protect dry mounted pumps and other equipment.

It has the same efficient self-cleaning action as the RF100 filter designed to keep the filter mesh clear, protecting the pump and other equipment.

The RF100 Duplex inlet filter offers the same effective protection against blockage and blinding as all our self-cleaning filters. Ideal as a pond filter, for protecting water features and for domestic use.

In more industrial settings debris and suspended solids can be filtered out of water ahead of re-use or disposal. Filter sizes are 60, 115 or 250 microns, and the duplex now has quick release filter heads.





RF100-Duplex Self Cleaning Pump Inlet General Characteristics	
Water supply to cleaning rotor	Tapped from pump outlet
Maximum output (m^3 /hour)	3.6
Standard screen mesh aperture (mm)	60, 115, 250 micron nylon mesh in polypropylene cage
Dimensions (diameter / width x height) mm (excl suctions / return couplings)	125 x 220 x 234
Weight (kg)	0.4

Materials	
Filter cage and lid	Polypropylene
Jets	Acetal copolymer
Body	ABS
Standard filter mesh screen	60, 115 or 250 Micron Nylon Mesh

RF100 Triplex

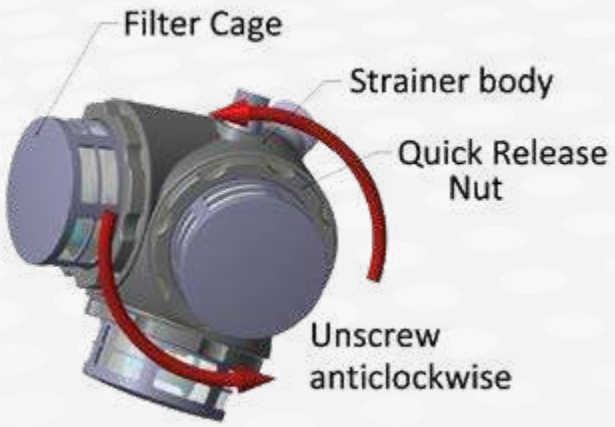
SELF CLEANING INTAKE FILTERS

RF100 Triplex

The RF100 Triplex self-cleaning inlet filter comprises three self- cleaning filter heads and triples the capacity of the smallest of Rotorflush's award winning filters. It has a maximum usable flow (depending on conditions) of 90 litres per minute. The RF100 Triplex self-cleaning inlet filter is designed to protect surface mounted pumps and other equipment.

The self cleaning action of all our filters continuously backwashes the filter mesh. The mesh is kept clear of debris to minimise maintenance. The low velocity intake and gentle but persistent backwash pushes debris, weed and wildlife away from the filter mesh. This prevents pump blockages and keeps the filter clear.

The RF100 Triplex is ideal for many domestic and light industrial applications where there is a need to filter water contaminated with suspended solids. The latest version of this highly adaptable and efficient dirty water filter now has an easy to use quick release enabling simple and fast filter mesh changes.



RF100-Triplex Self Cleaning Pump Inlet General Characteristics	
Water supply to cleaning rotor	Tapped from pump outlet
Maximum output (m^3 /hour)	5.4
Standard screen mesh aperture (mm)	60, 115, 250 micron nylon mesh in polypropylene cage
Dimensions (diameter / width x height) mm (excl suctions / return couplings)	125 x 230 x 260
Weight (kg)	0.6

Materials	
Filter cage and lid	Polypropylene
Jets	Acetal copolymer
Body	ABS
Standard filter mesh screen	60, 115 or 250 Micron Nylon Mesh

RF200

SELF CLEANING INTAKE FILTERS & STRAINERS

RF200 Self-Cleaning Filters and Strainers

Rotorflush RF200 self-cleaning filters and strainers are versatile of low maintenance suction intake screens for surface mounted pumps.

They are ideal for protecting pumps and other equipment when pumping up to 225 litres / minute (14 m^3 per hour) in dirty water. These are stainless steel dirty water suction intake filters with a capacity of up to (14 m^3 per hour), capable of filtering from 60 microns.

The RF200 filters can be fitted with a range of mesh sizes and types to suit most applications, mesh apertures range from 60 microns to 6mm. These filters can operate in very dirty water without blocking, reducing the need for settlement tanks and keeping maintenance to a minimum.

RF200 filters use a proportion of the pump's output to supply a feed to an internal backwashing rotor. This supply is taken off the already filtered pump output. The twin jets of the cleaning rotor rotate at about 60 rpm in each filter, clearing the whole screen every ½ second.

Please Note: Our filters are designed for use in dirty water or liquids with a viscosity close to that of water. Our filters and filterpumps are **NOT** suitable for use in raw sewage or any other dirty water which contains oils or fat

RF200 Filters and Strainers General Characteristics				
	RF200A	**RF200AS**	**RF200AR**	**RF200R**
Water supply to rotor	Tapped from outlet of main pump	Tapped from outlet of main pump	Tapped from outlet of main pump	Tapped from outlet of main pump
Maximum output	14 m^3/hr	14 m^3/hr	14 m^3/hr	14 m^3/hr
Filter mesh type	Bias cut Nylon	Sintered stainless steel	Woven stainless steel	Perforated steel
Mesh size	60, 115, 300 microns	50, 100, 315 microns	0.5mm - 6mm	3mm, 6mm
Dimensions (diameter x height) (mm)	210 x 206	210 x 206	210 x 206	210 x 206
Weight (kg)	4	5	5	5
Suction pipe connection	2 inch BSP	2 inch BSP	2 inch BSP	2 inch BSP
Return pipe connection	0.75 inch BSP	0.75 inch BSP	0.75 inch BSP	0.75 inch BSP
Flow returned to filter for back-washing @ 0.4 bar	90 litres / minute	90 litres / minute	75 litres / minute	75 litres / minute

Materials				
	RF200A	**RF200AS**	**RF200AR**	**RF200R**
Filter cage and lid	316 Stainless Steel	316 Stainless Steel	316 Stainless Steel	316 Stainless Steel
Central turbine	316 Stainless Steel	316 Stainless Steel	316 Stainless Steel	316 Stainless Steel
Jets	304 Stainless Steel	304 Stainless Steel	EPDM	natural rubber
Bearings	Acetal copolymer	Acetal copolymer	Acetal copolymer	Acetal copolymer
Standard screen	60, 115 or 300 micron nylon mesh in polypropylene inserts	50, 100 or 315 micron sintered 316 stainless steel mesh	1mm or 2mm woven 316 stainless steel mesh	3mm or 6mm perforated 304 stainless steel

RF300

SELF CLEANING INTAKE FILTERS & STRAINERS

RF300 Self-Cleaning Filters and Strainers

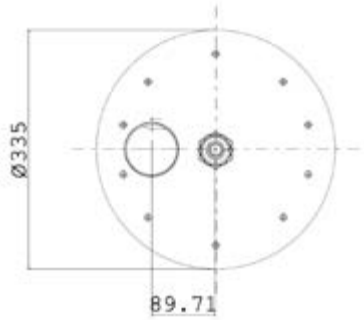
Rotorflush RF300 self-cleaning filters and strainers are versatile of low maintenance suction intake screens for surface mounted pumps.

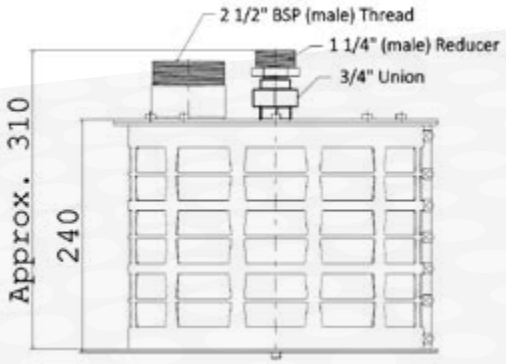
They are ideal for protecting pumps and other equipment when pumping up to 560 litres / minute (35 m^3 per hour) in dirty water.

These are stainless steel suction intake filters that can operate in very dirty water without blocking, reducing the need for settlement tanks and keeping maintenance to a minimum.

The RF300 filters can be fitted with a range of mesh sizes and types to suit most applications. Ranging from 50 microns to 2mm.

RF300 filters use a proportion of the pump's output to supply a feed to an internal backwashing rotor. This supply is taken off the already filtered pump output. The twin jets of the cleaning rotor rotate at approximately 40 rpm in each filter, clearing the whole screen every ¾ second.





RF300 Filters and Strainers General Characteristics		
	F300AR Sintered	**RF300AR Woven**
Water supply to rotor	Tapped from outlet of main pump	Tapped from outlet of main pump
Maximum output	35m^3/h	35m^3/h
Filter mesh type	Sintered stainless steel top mesh	Woven stainless steel mesh
Mesh size	50, 100 or 315 µm	0.5mm - 6mm
Dimensions (diameter x height) (mm)	335 x 310	335 x 310
Weight (kg)	11 kg	11 kg
Suction pipe connection	2.5	2.5
Return pipe connection	1.25	1.25
Flow returned to filter for back-washing	112 litres / minute @ 0.4 bar	112 litres / minute @ 0.4 bar

Materials		
Filter cage and lid	316 Stainless Steel	316 Stainless Steel
Jets	Natural rubber	Natural rubber
Body	316 Stainless Steel	316 Stainless Steel
Bearings	Acetal copolymer	Acetal copolymer
Standard screen	50, 100 or 315 micron sintered 304 stainless steel mesh	1mm or 2mm woven stainless steel mesh

RF400

SELF CLEANING INTAKE FILTERS & STRAINERS

RF400 Self-Cleaning Filters and Strainers

Rotorflush RF400 self-cleaning filters and strainers are versatile of low maintenance suction intake screens for surface mounted pumps. Capable of screening a ton of water every minute, these are our one of our most popular filters.

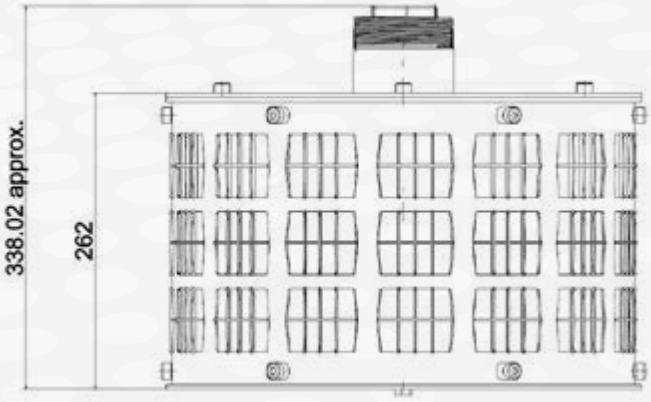
They are ideal for protecting pumps and other equipment when pumping up to 1000 litres / minute (60m^3 per hour) in dirty water.

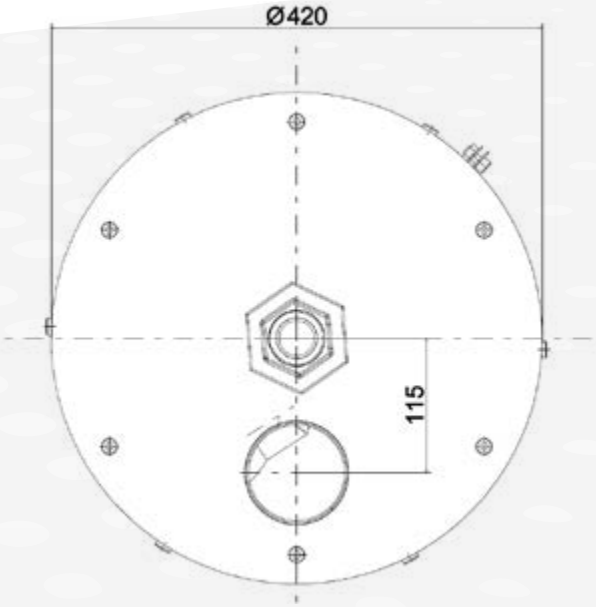
Stainless steel RF400 filters can be fitted with a range of mesh sizes and types to suit most applications, mesh apertures range from 60 microns to 6mm.

These 420mm diameter filters can operate in very dirty water without blocking, reducing the need for settlement tanks and keeping maintenance to a minimum.

Please Note: Our filters are designed for use in dirty water or liquids with a viscosity close to that of water. Our filters and filterpumps are **NOT** suitable for use in raw sewage or any other dirty water which contains oils or fat

RF400 Filters and Strainers General Characteristics				
	RF400A	**RF400AS**	**RF400AR**	**RF400R**
Water supply to rotor	Tapped from outlet of main pump	Tapped from outlet of main pump	Tapped from outlet of main pump	Tapped from outlet of main pump
Maximum output	60 m^3 /hr	60 m^3 /hr	60 m^3 /hr	60 m^3 /hr
Filter mesh type	Bias cut Nylon	Sintered stainless steel	Woven stainless steel	Perforated steel
Mesh size	60, 115, 300 microns	50, 100, 315 microns	0.5mm - 6mm	3mm, 6mm
Dimensions (diameter x height) (mm)	420 x 354	420 x 354	420 x 354	420 x 354
Weight (kg)	19	21	21	20
Suction pipe connection	3 inch BSP	3 inch BSP	3 inch BSP	3 inch BSP
Return pipe connection	1.5 inch BSP	1.5 inch BSP	1.5 inch BSP	1.5 inch BSP
Proportion of pump output for back-washing	6 - 9 m^3/hour	6 - 9 m^3/hour	6 - 9 m^3/hour	6 - 9 m^3/hour





Materials				
	RF400A	**RF400AS**	**RF400AR**	**RF400R**
Filter cage and lid	316 Stainless Steel	316 Stainless Steel	316 Stainless Steel	316 Stainless Steel
Central turbine	316 Stainless Steel	316 Stainless Steel	316 Stainless Steel	316 Stainless Steel
Jets	Natural rubber	Natural rubber	Natural rubber	Natural rubber
Bearings	Acetal copolymer	Acetal copolymer	Acetal copolymer	Acetal copolymer
Standard screen	60, 115 or 300 micron nylon mesh in polypropylene inserts	50, 100 or 315 micron sintered 316 stainless steel mesh	1mm or 2mm woven 316 stainless steel mesh	3mm or 6mm perforated 304 stainless steel

RF600AR-R

SELF CLEANING INTAKE FILTERS & STRAINERS

RF600AR & R Self-Cleaning Filters and Strainers

Rotorflush RF600 self-cleaning filters and strainers are versatile of low maintenance suction intake screens for surface mounted pumps. These are our one of our most popular filters.

They are ideal for protecting pumps and other equipment when pumping up to 8000 litres / minute (480m^3 per hour) in dirty water.

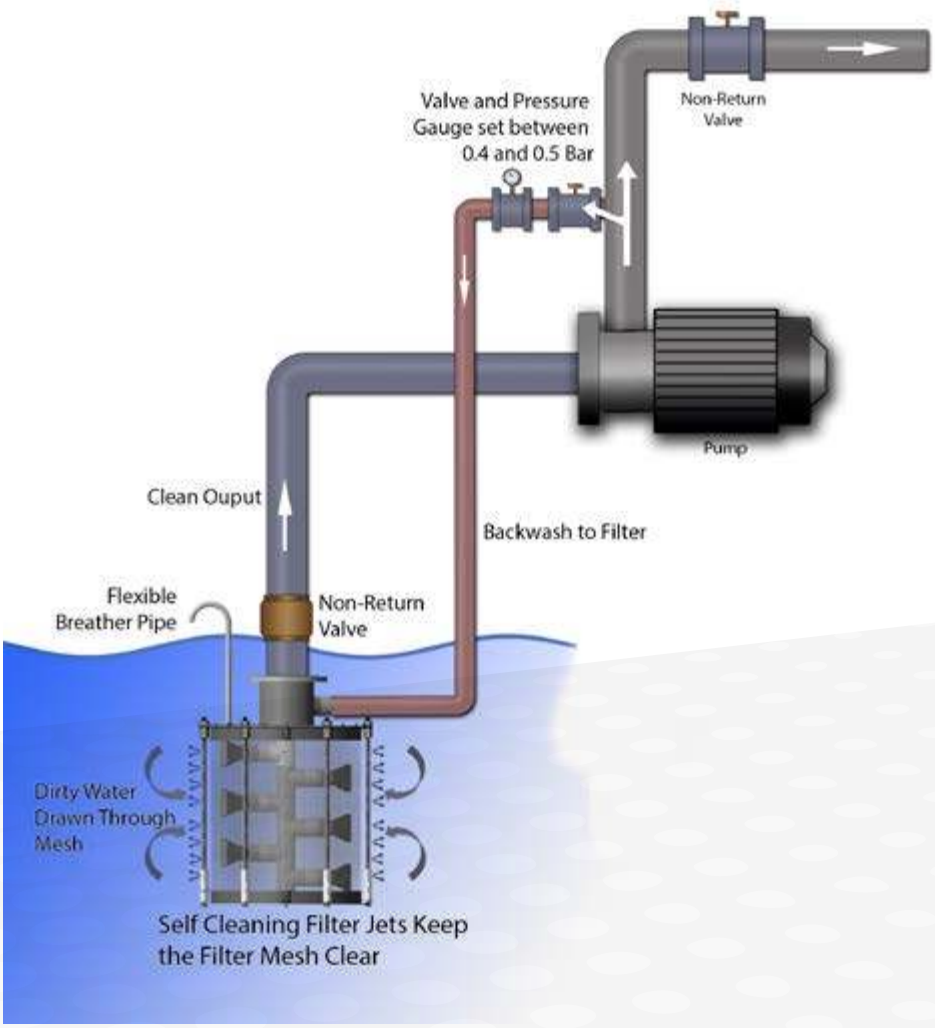
Stainless steel RF600 filters can be fitted with a range of mesh sizes and types to suit most applications, mesh apertures range from 315 microns to 6mm. RF600AR Models are fitted with woven steel mesh; RF600R models have coarser perforated steel mesh.

These 615mm diameter filters can operate in very dirty water without blocking, reducing the need for settlement tanks and keeping maintenance to a minimum.

Please Note: Our filters are designed for use in dirty water or liquids with a viscosity close to that of water. Our filters and filterpumps are **NOT** suitable for use in raw sewage or any other dirty water which contains oils or fat

General Characteristics All RF600 Models					
	RF600-200	**RF600-300**	**RF600-400**	**RF600-500**	**RF600-600**
Water supply to cleaning rotor	All RF600 Filters - tapped from outlet side of main pump				
Backwash Pipe connections	2" BSP	2" BSP	2" BSP	3" BSP	3" BSP
Filter Outlet Flange	6" PN 16/3	6" PN 16/3	6" PN 16/3	6" PN 16/3	6" PN 16/3
Backwash Operating Pressure	All RF600 Filters - min 0.3 bar, max 0.5 bar				
Minimum backwash (m3 / hour)	9	13.5	18	22.5	27
Dimensions (diameter mm x height mm)	615 x 500	615 x 600	615 x 700	615 x 800	615 x 900
Approx Weight (kg)	60	70	80	90	105

Other outlet flanges available



Materials All RF600AR and RF600R Models					
Filter cage, top & bottom & rotor	304 Stainless Steel	304 Stainless Steel	304 Stainless Steel	304 Stainless Steel	304 Stainless Steel
Jets	Natural rubber	Natural rubber	Natural rubber	Natural rubber	Natural rubber

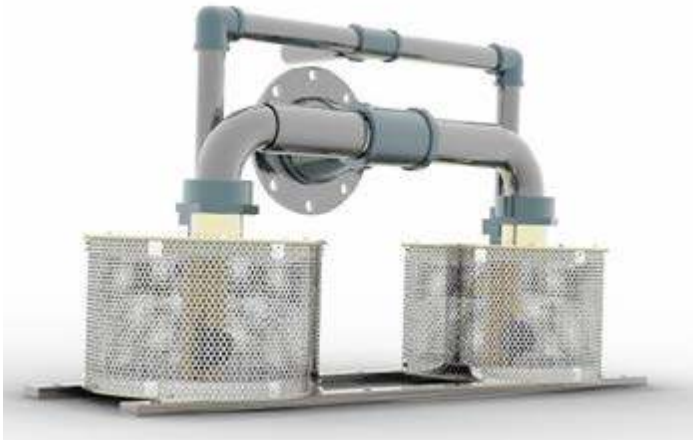
Capacity RF600R Models	**RF600-200R**	**RF600-300R**	**RF600-400R**	**RF600-500R**	**RF600-600R**
Maximum output (m^3 / per hour)	90	130	180	225	275
Standard screen apertures (mm)	All RF600R Filters - 3.0mm or 6.0mm perforated stainless steel				
Capacity RF600AR Models	**RF600-200AR**	**RF600-300AR**	**RF600-400AR**	**RF600-500AR**	**RF600-600AR**
Maximum output (m^3 / per hour)	140	210	280	350	480
Maximum output @ 0.1 m / sec intake velocity with 2mm mesh for Eel Regs and EPA Rule 316(b)	60	90	120	150	180
Standard screen apertures (mm)	All RF600AR Filters – 315 microns sintered 316 stainless steel mesh; 1, 2, 3, and 6mm woven stainless steel mesh				

Custom Built Filters and Strainers

Rotorflush can build a bespoke self-cleaning strainer to meet your project requirements.

By combining our award winning self-cleaning filter technology with sound engineering and modular design principles, Rotorflush Filters Ltd. can design, manufacture and deliver a purpose built industrial water intake strainer for your application or project. Often our customers require self-cleaning strainers and filters to fit their particular installations and capacities which are outside our standard ranges.

We can scale our filters to meet required flow rates and vary the configuration to fit particular locations and industrial applications. Call our **Design Team** for more information – **01297 560 229**



Please Note: Our filters are designed for use in dirty water or liquids with a viscosity close to that of water. Our filters and filterpumps are **NOT** suitable for use in raw sewage or any other dirty water which contains oils or fat

Our filters have a core design.

We can vary:

- **Outlet size**
- **Filter diameter**
- **Filter height**
- **Mesh size**
- **Grade of steel**

Or we can design and build a wholly custom filter

Eel Screens and Eel Screening Intake Strainers

Rotorflush Self-cleaning Eel Screens and Eel Screening Intake Strainers are designed for use on the suction hose of surface mounted pumps. They can also be used as gravity fed intakes as long as a pump is used to supply the backwash.

What's happening to the Eels?

The regulations have come about due to a catastrophic decline in the eel population – succinctly described in the Environment Agency Eel Manual Overview

We have developed a range of our award-winning self-cleaning suction intake filters to comply with Eel regulations.

These products allow low maintenance regulation compliant raw water abstraction.

The 2mm mesh and low intake velocity protects elvers and eels, and the self-cleaning mechanism ensures that the mesh stays clear.

Our Eel Screening Intake Strainers have the added advantage that any downstream equipment – for example pumps, irrigators, wash water sprays, heat exchangers etc – also benefit from screened water, reducing the risk of blockage and clogging.

Rotorflush's continuous backwash Self-cleaning Filters and Suction Strainers keep filters clear, keep pumps running, protect upstream equipment and minimise maintenance for trouble-free operation.

RF- LW Eel Screens

SELF CLEANING INTAKE FILTERS & STRAINERS

RF-LW Eel Screens

Rotorflush RF LW Self-cleaning Eel Screen Intake Strainers have been specifically designed to meet regulations for the Protection of European Eels. Our Eel Screens are all Stainless Steel and are designed for use on the suction hose of surface mounted pumps.

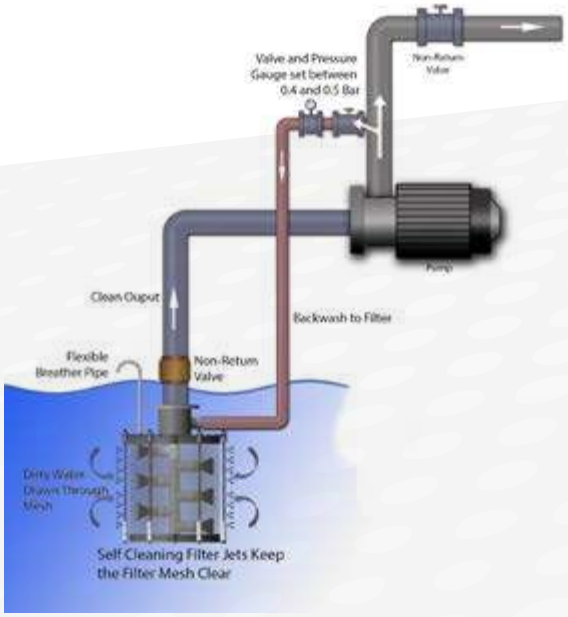
A proportion of your pump's output drives an internal backwash rotor. The cleaning rotor continuously backwashes the mesh screen pushing away anything that might cause it to block.

They can also be used as gravity fed intakes as long as a pump is used to supply the backwash.

The RF600LW Self-cleaning Eel Screens can deliver a maximum of 160 m^3/ hour - 730 m^3 /h our through tensioned woven Stainless-Steel mesh. The maximum flow rates for RF600LW screens for elvers and glass eel protection range from 81 m^3 / hour - 366 m^3/ hour.

The RF800LW Self-cleaning Eel Screens can deliver a maximum of 217 m^3/hour - 1085 m^3 /hour through tensioned woven Stainless-Steel mesh. The maximum flow rates for R F800LW screens for elvers and glass eel protection range from 108 m^3/hour - 542m^3/hour.

Bauer Fittings optional



This is so that the intake velocity of the water does not exceed 0.1 metres a second.

The RF-LW range of Eel screens can be fitted with 1mm, 2mm woven 316 Stainless Steel filter mesh. 3mm and 6mm mesh is also available.

All our self-cleaning filters and strainers contain the same patented technology, using an efficient backwash to keep their filter mesh clear and to protect aquatic life.

Please Note: Our filters are designed for use in dirty water or liquids with a viscosity close to that of water. Our filters and filterpumps are **NOT** suitable for use in raw sewage or any other dirty water which contains oils or fat

Model	H1 Total Height mm	H2 Mesh Height mm	D1 Total Diameter mm	D2 Mesh Diameter mm	D3 Flange Diameter mm	Approx Weight mm
RF600-200LW	555	200	750	600	340	80
RF600-300LW	655	300	750	600	340	90
RF600-400LW	755	400	750	600	340	100
RF600-500LW	855	500	750	600	340	110
RF600-600LW	955	600	750	600	340	120
RF600-700LW	1,055	700	750	600	340	130
RF600-800LW	1,155	800	750	600	340	140
RF600-900LW	1,255	900	750	600	340	150

Other DIN and ANSI flanges available

RF- LW Eel Screens

SELF CLEANING INTAKE FILTERS & STRAINERS

RF-LW Eel Screens

Rotorflush RF LW Self-cleaning Eel Screen Intake Strainers have been specifically designed to meet regulations for the Protection of European Eels. Our Eel Screens are all Stainless Steel and are designed for use on the suction hose of surface mounted pumps.

A proportion of your pump's output drives an internal backwash rotor. The cleaning rotor continuously backwashes the mesh screen pushing away anything that might cause it to block.

They can also be used as gravity fed intakes as long as a pump is used to supply the backwash.

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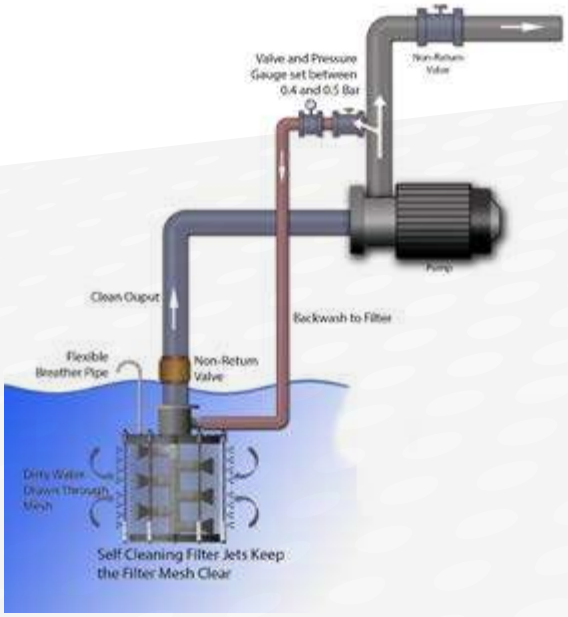
The RF800LW Self-cleaning Eel Screens can deliver a maximum of 217 m^3/hour - 1085 m^3 /hour through tensioned woven Stainless-Steel mesh. The maximum flow rates for R F800LW screens for elvers and glass eel protection range from 108 m^3/hour - 542m^3/hour.

Bauer Fittings optional



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The RF-LW range of Eel screens can be fitted with 1mm, 2mm woven 316 Stainless Steel filter mesh. 3mm and 6mm mesh is also available.

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Model	H1 Total Height mm	H2 Mesh Height mm	D1 Total Diameter mm	D2 Mesh Diameter mm	D3 Flange Diameter mm	Approx Weight mm
RF600-200LW	555	200	750	600	340	80
RF600-300LW	655	300	750	600	340	90
RF600-400LW	755	400	750	600	340	100
RF600-500LW	855	500	750	600	340	110
RF600-600LW	955	600	750	600	340	120
RF600-700LW	1,055	700	750	600	340	130
RF600-800LW	1,155	800	750	600	340	140
RF600-900LW	1,255	900	750	600	340	150

Other DIN and ANSI flanges available

RF-E Self Powered Backwash Filters

SELF CLEANING INTAKE FILTERS & STRAINERS

Self-powered - Self-Cleaning Filters and Strainers

These are self-cleaning intake filters for attachment to the suction hose of surface mounted pumps. These filters are the same as the traditional RF strainers

with one difference. Unlike the traditional RF filters the backwash is not powered by the pump they are attached to - they have their own integral backwash pump to keep the filter mesh clear. This allows you to vary the output of your pump without affecting the performance of the backwash in the filter – useful if you have a variable speed drive on your pump. These filters and strainers will deliver up to 4500 litres / minute of filtered output from 50 microns to 6mm.

The filters can be fitted with a range of tough nylon mesh from 60 - 315 microns; or filters can be fitted with 1mm, 2mm, 3mm or 6mm stainless steel.

Please Note: Our filters are designed for use in dirty water or liquids with a viscosity close to that of water. Our filters and filterpumps are **NOT** suitable for use in raw sewage or any other dirty water which contains oils or fat

RF400 "E" Filters and Strainers General Characteristics				
	RF400A-E	**RF400A-E**	**RF400R-E**	**RF400R-E**
Water supply to rotor	Integral Backwash pump	Integral Backwash pump	Integral Backwash pump	Integral Backwash pump
Maximum output	14 m^3 /hr	14 m^3 /hr	14 m^3 /hr	14 m^3 /hr
Filter mesh type	Bias cut Nylon	Sintered stainless steel	Perforated stainless steel	Woven stainless steel
Mesh size	60, 115, 300 microns	50, 100, 315 microns	3mm, 6mm	1mm, 2mm
Dimensions (diameter x height) (mm)	350 x 600	350 x 600	350 x 600	350 x 600
Weight (kg)	14	14	15	15
Suction pipe connection	2 inch	2 inch	2 inch	2 inch
Return pipe connection	1.25 inch	1.25 inch	1.25 inch	1.25 inch

Materials				
	RF400A-E	**RF400A-E**	**RF400R-E**	**RF400R-E**
Filter cage and lid	304 Stainless Steel	304 Stainless Steel	304 Stainless Steel	304 Stainless Steel
Central turbine	304 Stainless Steel	304 Stainless Steel	304 Stainless Steel	304 Stainless Steel
Jets	304 Stainless Steel	304 Stainless Steel	Natural rubber	Natural rubber
Bearings	Acetal copolymer	Acetal copolymer	Acetal copolymer	Acetal copolymer
Standard screen	60, 115 or 300 micron nylon mesh in polypropylene inserts	50, 100 or 315 micron sintered 304 stainless steel mesh	3mm or 6mm woven 304 stainless steel mesh	1mm or 2mm woven 304 stainless steel

We can also offer our RF600AR series self-cleaning intakes fitted with backwash pumps where these are used on the suction of variable speed drive surface mounted pumps.

The RF600AR range of intake screens can deliver from 1500 – 4500 litres a minute, and can be fitted with 0.5mm to 6mm stainless mesh.

RF400 "E" Filters and Strainers General Characteristics				
	RF400AR-E Nylon	**RF400AR-E Sintered**	**RF400R-E Perforated**	**RF400AR-E Woven**
Water supply to rotor	Integral Backwash pump	Integral Backwash pump	Integral Backwash pump	Integral Backwash pump
Maximum output	60 m^3 /hr	60 m^3 /hr	60 m^3 /hr	60 m^3 /hr
Filter mesh type	Bias cut Nylon	Sintered stainless steel	Perforated stainless steel	Woven stainless steel
Mesh size	60, 115, 300 microns	50, 100, 315 microns	3mm, 6mm	1mm, 2mm
Dimensions (diameter x height) (mm)	590 x 860	590 x 860	590 x 860	590 x 860
Weight (kg)	30	30	30	30
Suction pipe connection	3 inch BSP	3 inch BSP	3 inch BSP	3 inch BSP
Return pipe connection	1.5 inch BSP	1.5 inch BSP	1.5 inch BSP	1.5 inch BSP

Materials				
	RF400AR-E	**RF400AR-E**	**RF400R-E**	**RF400AR-E**
Filter cage and lid	304 Stainless Steel	304 Stainless Steel	304 Stainless Steel	304 Stainless Steel
Central turbine	304 Stainless Steel	304 Stainless Steel	304 Stainless Steel	304 Stainless Steel
Jets	Natural rubber	Natural rubber	Natural rubber	Natural rubber
Bearings	Acetal copolymer	Acetal copolymer	Acetal copolymer	Acetal copolymer
Standard screen	60, 115 or 300 micron nylon mesh in polypropylene inserts	50, 100 or 315 micron sintered 304 stainless steel mesh	3mm or 6mm woven 304 stainless steel mesh	1mm or 2mm woven 316 stainless steel

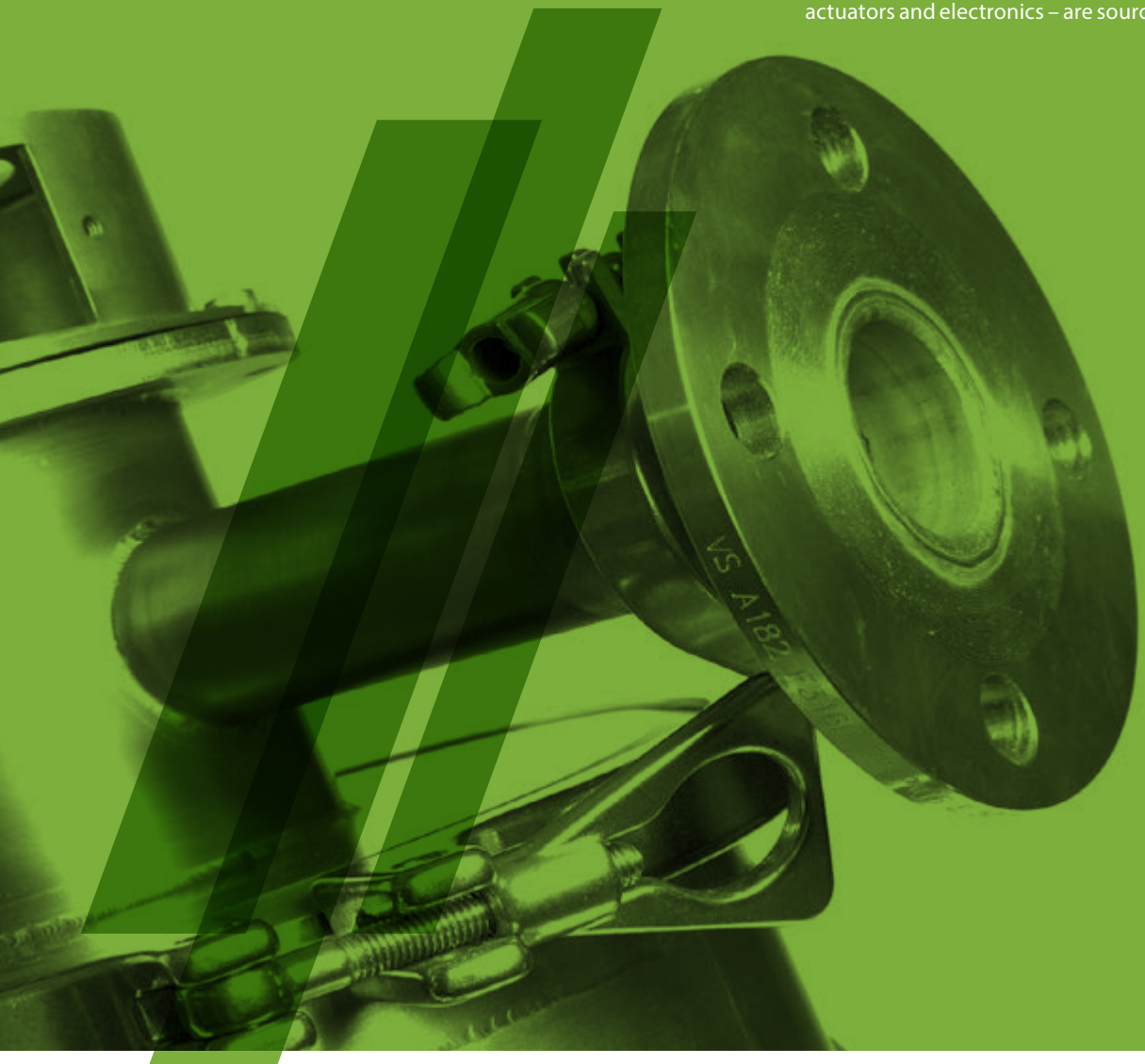
INLINE
FILTER SYSTEMS

Rotorflush's Self Cleaning In-line Filter System is a fully automated and very efficient means of removing particulate and suspended solids from industrial waste-water. It has been developed to meet the increasing demand for effective worry free filtration in industrial processes across a wide range of industrial sectors.

Originally developed as a hot water filtration system for commercial laundries, our self cleaning inline filter is a fully automatic system for waste water recycling and re-use or heat exchange. The Zircon Z200S is very efficient at removing lint, fibres and other solids from industrial wastewater and can filter down to 50 microns if required.

At its heart is the unique Rotorflush self-cleaning filter which removes particulate and suspended solids in dirty water at up to 300 litres a minute. The self-cleaning mechanism keeps the filter screen clear for a continuous supply of re-usable filtered waste-water. The automatic purge clears away accumulated debris as it builds up while providing an uninterrupted output of filtered water for re-use or disposal.

The Zircon Z200S self cleaning inline filter system is a truly industrial product: its body and stand are 316 stainless steel, as is the filter cage. A light and powerful 0.37 kW motor drives the self-cleaning filter, and all the peripheral equipment – valves, actuators and electronics – are sourced for durability.



www.**rotorflush.com** Tel: **+44 (0)1297 560229** Email: **sales@rotorflush.com**

ZIRCON Z200S

INLINE FILTER SYSTEM

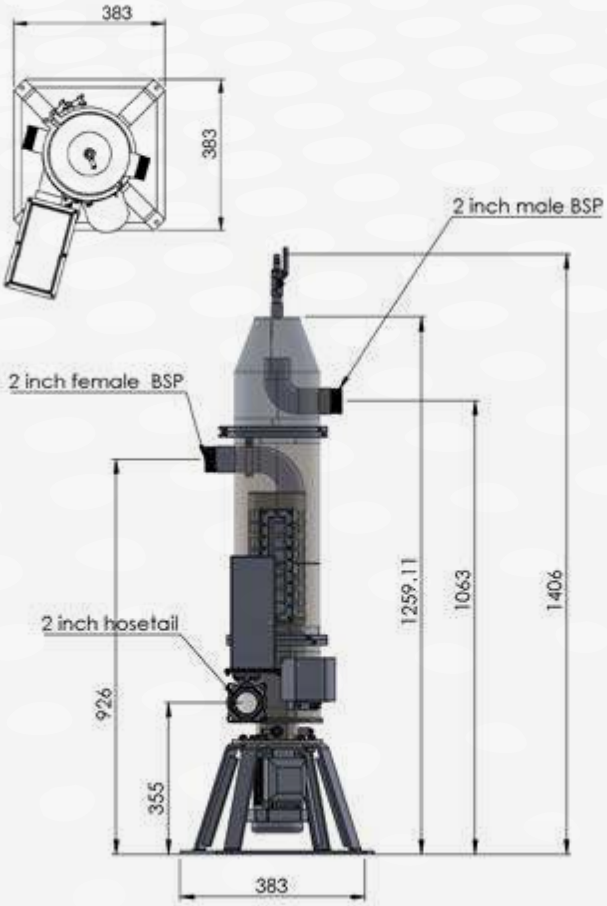
Zircon Z200S

Rotorflush's Zircon Z200S self-cleaning inline filter is a fully automatic system for waste water recycling, water re-use or heat exchange. It was originally developed as a hot water filtration system for commercial laundries. The Zircon Z200S rigorously removes lint, fibres and other solids from industrial wastewater and can filter down to 50 microns. The system can operate with low and high PH water at temperatures up to 60° C.

The Z200S can screen up to 300 litres a minute at up to 8 bar pressure. The self-cleaning filter mechanism keeps the filter mesh clear and delivers a continuous supply of reusable filtered waste water. As debris builds up in the Z200S tank the automatic purge clears it away – and you get an uninterrupted output of filtered water for re-use or environmentally safe disposal.

Considerable savings in waste water disposal costs and energy saving through heat recovery can be made using the Zircon. 95% plus water efficiency can be achieved with the optional solids waste handling system.

Capacity	
Filter screen Area cm2	650
Maximum Flow Rate m^3/hr	18 m^3 / hr
Purge Volume	15 litres approx
Min / Max Pressure	0 bar/ 8 bar



Zircon Z200S Inline Filter – General Characteristics	
Dimensions	
Inlet / Outlet	2" male BSP
H1	1406
H2	1063
H3	1259
H4	926
H5	355
ØD1	383
Approx. Weight Kgs	50 kgs

ZIRCON Z200S

INLINE FILTER SYSTEM

Operational Features

The Rotorflush Zircon Inline Filter System automatically filters dirty water, and continuously self-cleans to prevent the filter screen form blinding.

The base, main vessel, pipe work, connections, filter cage and filter mesh are all made in stainless steel. The filter system is very strong and will screen up to 300 litres a minute. The system is suitable for low and high pH and temperatures up to 60° C.

The self-cleaning filter removes suspended solids in the water which are backwashed away from the filter mesh. Debris is forced to the bottom of the vessel where it accumulates.

The system includes a high speed electric actuated ball valve of our own design for purging waste material screened out of the water. Purging is automatic and is activated by build-up of waste: a differential pressure transducer controls the purge valve.

The actuated valve opens to purge the filter system accumulated debris if the differential pressure rises above 40mb. The actuated valve will open once every 60 minutes regardless of differential pressure to ensure that the filter stays clear and runs smoothly.

The Filter System is monitored via a display showing the differential pressure across the filter and the total number of purges since power up. There is also a fault indicator light.

Materials	
Filter Mesh	316 stainless steel
Filter Body and fittings	316 stainless steel
Cleaning Rotor	ABS
Jets	ABS
Seals	EPDM
Mechanical seal:	Viton: SiC: SiC
Control enclosure	Coated mild steel
Drive motor (50 Hz or 60 Hz)	0.37 kW, single phase
Motor body	Aluminium
Optional Sight Glass	Toughened Glass

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Optional Solids Handling System

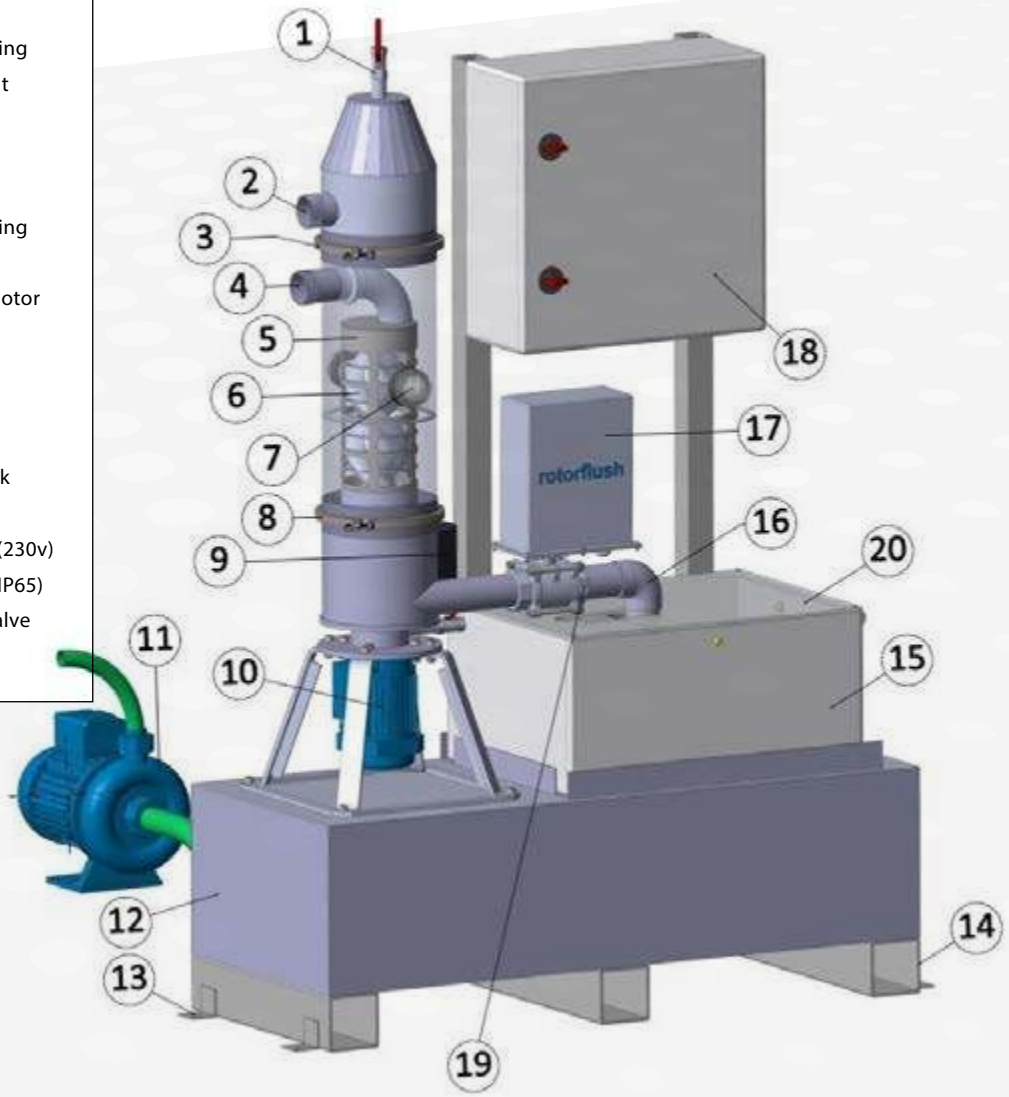
Rotorflush Filters Ltd offers an optional solid waste handling system for use with the Zircon self-cleaning inline filter.

The system captures and strains purged water. It provides a basic dewatering system to allow solid waste material to be removed from the purge water for easy storage, and waste purge water to be recycled and re-used.

When the Zircon Z200S Inline Filter system purges waste water any solids in the water are strained and stored in a removable container. This in turn drains into a tank beneath the unit and a small pump pumps waste water either back into the source water or to drain.

The system makes waste disposal easy and can deliver extremely high water efficiencies. Call us to find out more.

Item	Description
1	Air release valve (priming)
2	Dirty water in
3	Quick Release coupling
4	Filtered water output
5	Filter cage
6	Backwash rotor
7	View port
8	Quick Release coupling
9	Pressure sensor
10	230v single phase motor
11	Waste water pump
12	Waste water tank
13	Bolt down points
14	Pallet feet
15	Solids collection tank
16	Purge outlet
17	Purge valve control (230v)
18	Controls enclosure (IP65)
19	2" actuated purge valve
20	Clear Perspex lid



Nastec Control Panels for FilterPumps

Rotorflush recommends the use of Nastec control panels for submersible filterpumps and surface mounted pumps using Rotorflush self-cleaning strainers and filters for their intake filtration. Nastec control panels incorporate a motor load monitor which shuts the pump down if the filter mesh becomes blinded, preventing motor burn out.

The panels have a digital display and keypad for setting up control parameters and showing faults. The body is constructed entirely of aluminium, making PILOT extremely solid and easily cooled. The IP55 protection makes it possible to install PILOT even in humid and dusty environments.

We strongly advise that Nastec control panels are used with all our 3 phase pumps and the Nauti N9416, N9516 and N9616 single phase pumps. Our other single phase pumps have built in thermistors that help protect the motor in the event of dry running.

These panels can be used to control float switches and other equipment used in conjunction with our filterpumps; they also allow for fault signals to be sent for remote monitoring of equipment.

Specification

Model No.	Voltage [+/- 10%] 50/60 Hz	Max current	Weight [kg]
PILOT 118*	1 X 230 VAC	18 A	2
PILOT 325	3 X 400 VAC	25 A	2.4
PILOT 330	3 X 400 VAC	30 A	2.4
All Models			
Max. ambient temperature: 40°C (104 °F)			
Max. altitude : 2000m			
Protection grade: IP55 (NEMA 4)			

* single phase models do not include capacitor (available upon request)

Control Panels for Rotorflush Filterpumps

Nastec Pilot 118 Control Panel single phase

Nastec Pilot 325 Control Panel 3 phase

Nastec Pilot 330 Control Panel three phase

Spare Nylon Filter Mesh

Customers require sets of filter mesh inserts periodically for filter maintenance.

We recommend regular replacement of filters fitted with nylon mesh with spare nylon filter mesh inserts.

Instead of a continuous nylon mesh, our filters use nylon filter mesh inserts - a set of 16 inserts replaces the mesh on our standard filters. Inserts are easy to insert and replace, and are available in 60, 115 and 300 micron mesh sizes. This makes for very easy maintenance.

We supply spare nylon filter mesh sets for our submersible pumps with integral self-cleaning filters, and for our smaller fine meshed self-cleaning strainers.

Spare Mesh for Rotorflush Filterpumps and Strainers

Set of 16 Nylon Filter Inserts 60 / 115 / 300 micron aperture

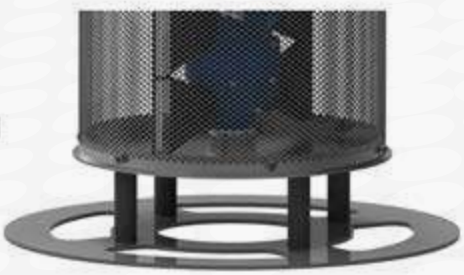
Filter Cage for RF100 – 60, 115, 260 micron nylon

Stands and Guide Rails for Rotorflush Filterpumps from £95

A selection of all stainless steel Stands and Guide Rails for Rotorflush submersible pumps with integral self-cleaning suction intake screens.

These are robust easy to use mounting products to facilitate the installation of Rotorflush filterpumps. For our smaller filterpump ranges we offer brackets, guide rails or built-in stands. For our larger filterpumps we offer stands or guide rails.

Stands and guide rails help to secure Rotorflush filterpumps when in use and ensure good clearance all round for optimum performance.



Key Features

- Purpose built mounting accessories
- All 304 or 316 stainless steel
- Variable length guide rails
- Designs can be varied to suit particular locations

Stands and Guide Rails for Rotorflush Filterpumps

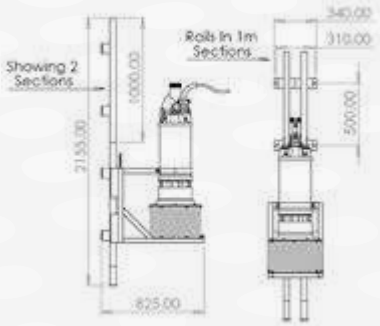
Rotorflush submersible pumps with integral self-cleaning intake screens – filterpumps – are ideal for pumping dirty and contaminated water. To complement our ranges of filter pumps Rotorflush Filters Ltd now offers stands and guide rails to facilitate the installation of our products. The self-cleaning filters on the suction intake are designed to keep the filter mesh clear and protect the pump and other connected equipment from blockage.

Our filterpumps are used to separate solids from water being pumped in many industries and in many settings. They are used in lakes rivers, IBCs, settlement tanks, dirty water lagoons, channels, sumps and pits of all shapes and sizes.

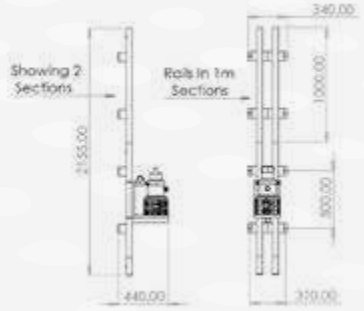
Our filterpumps are used throughout the Water industry in the UK, Australia the USA and many other countries. In response to enquiries from this sector we have developed a variety of stands and guide rails for our filterpumps which we believe will meet most customers' requirements. And of course we can adapt these basic designs to suit particular sites if needs be.

Guide Rails

Our guide rail has been designed to support Rotorflush filterpumps and allow their easy removal from water. The standard design is modular so that our guide rails can be offered in 1 metre sections. Pricing will depend on the depth and therefore length of guide rail required.



Larger filterpump guide rail dimensions



Smaller filterpump guide rail dimensions

The guide rails are designed to be fixed to a vertical sump wall, dock or similar. The filterpumps fit securely to a platform that moves up and down; the filterpump is held in place with sufficient clearance away from the guide rail to ensure optimum performance when in use. The filterpump rests on a plate designed to hold the base of the filterpump in place.

Two sizes are available, one for filterpumps with 200 mm diameter intakes (Omnia, Idrogo and Nauti ranges) and the other for filterpumps with 400 mm diameter intakes (Jasper, RUBI, Cobalt, Topaz and Sapphire 400 ranges).

Our filterpumps require good clearance (at least the radius of the intake) all round to work efficiently These guide rails allow for the filterpump to be positioned for optimum use yet held securely and allowing easy access. All our stands and guide rails can be manufactured in either 304 or 316 grade stainless steel.

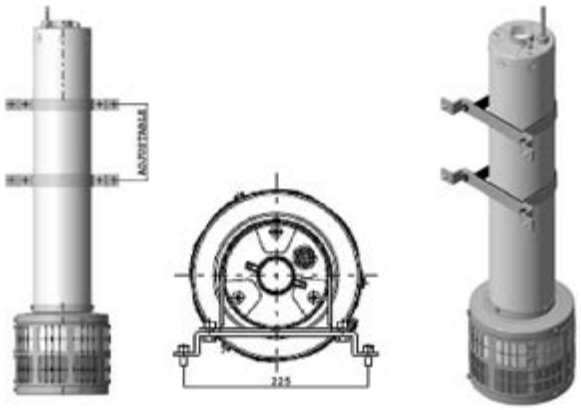
Stands and Guide Rails for Rotorflush Filterpumps

Brackets

We supply stainless steel brackets to fit our smaller ranges of filterpumps (Omnia, Idrogo and Nauti filterpumps). These are designed to snugly grip the body of the filterpump and bracket to existing rails or a customer's own mounting design.

These brackets can be used for securing our filterpumps to a frame for easier lifting or to a pre existing guide rail system.

Filterpumps should not be suspended or lifted by the outlet connection alone.



Stands

Rotorflush self-cleaning filterpumps are often used in sumps and tanks where there is a firm and stable base for the filterpumps to rest. Our filterpumps require good clearance all around the filter mesh and need to stand above any mud, debris or sludge that may accumulate where they are sited.

We can fit stands that raise the filterpumps above the base of a tank or sump.

Filterpumps with a 400 mm diameter intake can be fitted with a 600 mm diameter steel stand held on four legs. Their standard length is 150 mm, but this can be varied to suit.

Ordering

Rotorflush Stands and Guide Rails

Rotorflush Filterpump Mounting Equipment	
RFGR200S	2 metre 304 stainless steel guide rail for 200 mm diameter intake filterpumps
RFGR200S316	2 metre 316 stainless steel guide rail for 200 mm diameter intake filterpumps
RFGR400S	3 metre 304 stainless steel guide rail for 400 mm diameter intake filterpumps
RFGR400S316	3 metre 316 stainless steel guide rail for 400 mm diameter intake filterpumps
VCL01	Pair of mounting brackets, stainless steel for 200 mm diameter intake filterpumps
RFS200S	304 Stainless steel tripod stand for 200 mm diameter intake filterpumps
RFS200S316	316 Stainless steel tripod stand for 200 mm diameter intake filterpumps
RFS400S	304 Stainless steel circular stand for 400 mm diameter intake filterpumps
RFS400S316	316 Stainless steel circular stand for 400 mm diameter intake filterpumps

Please note:
Delivery is by carrier and is usually between 7 and 10 days from order depending on product and availability.
Carriage and packing charges are extra. VAT is not included. Can't find what you need? Want to talk with us directly?
We're here to help. Call us on +44(0) 1297 560229

How our self-cleaning pump filters are used

Waste Water Treatment

Rainwater Harvesting

Drainage and Flood Management

Grey Water Systems

Hydroponics

Irrigation Systems

Septic Tanks & Soakaways

Dirty Water Irrigation

Livestock Watering

Waste Water and Waste Water Analysis

Water Re-cycling

Filtration for Raw Water

Fountains and Water Features

Landscaping – Filtration for Irrigation

Filters for Lint Removal and Water Re-cycling in Laundries

Submersible filterpump for Sample Preparation from Source

Filtration for Online Analysers Filtering in Difficult Conditions

Wildlife-friendly Filters for Water Features and Fountains

Waste Water Filtration for Inlet Screen Wash Water

Filtration for Garden Fountains and Water Features

Filtration for Commercial and Municipal Fountains and Water Features

Secondary and Final Effluent Filtration

Pipe Friction Loss

There are many factors that can affect pipe friction loss. The most significant is the diameter and length of the pipe, but other factors such as the turbulence of the flow, the roughness of the pipe (often increasing with the age of the pipe) and any additional bends, joins or equipment such as valves can increase the head loss you may need to account for.

Pipe Friction Loss Table – PVC and Polyethylene Circular Pipes

Friction Loss is given in Bar / Metres Head

Flow Rate Litres / min	PIPE SIZE – Inches Internal, Diameter											
	½	¾	1	1¼	1½	2	2½	3	3½	4	5	6
30	70	16.5	5.3	1.4	0.7	0.2	-	-	-	-	-	-
40	-	28	9	2.3	1.2	0.3	-	-	-	-	-	-
50	-	42	13	3.5	1.8	0.5	0.15	-	-	-	-	-
60	-	58	18	5	3	0.7	0.2	-	-	-	-	-
70	-	76	24	6.5	3	0.9	0.2	0.1	-	-	-	-
80	-	-	30	8	4	1.2	0.3	0.16	-	-	-	-
90	-	-	38	9	5	1.5	0.45	0.23	-	-	-	-
100	-	-	46	11	6	2	0.5	0.2	0.12	-	-	-
125	-	-	70	17	9	3	0.8	0.3	0.18	0.1	-	-
150	-	-	-	25	12	4	1.2	0.5	0.2	0.14	-	-
175	-	-	-	33	16	6	1.5	0.6	0.33	0.18	-	-
200	-	-	-	42	21	7	2	1	0.4	0.2	0.08	-
250	-	-	-	64	32	10	2.8	1.2	0.6	0.3	0.12	-
300	-	-	-	-	45	14	4	2	1	0.45	0.17	-
400	-	-	-	-	78	24	6.8	3	1.5	0.8	0.2	0.12
500	-	-	-	-	-	36	11	5	3	1.5	0.5	0.17

The table below is an **indicative guide only**. If you have a long pipe run or if pressure loss is critical to your installation please contact Rotorflush Filters ltd to discuss this in more detail.

Maximum Cable Lengths for Submersible Pumps

Cable sizing is an important consideration when installing pumps. This is especially true for electric submersible pumps where the location may often be a significant distance from the power supply.

Voltage drop increases with distance and most electric submersible pumps will not run efficiently if the voltage drop exceeds approx 5% of the rated voltage for the pump motor. Single phase pumps are particularly vulnerable to voltage drop as this can shorten the life of pump motor capacitors.

The Cable Chart below is an **indicative guide only**. If you have a long cable run or if you are uncertain about the type of cable your installation needs then please contact Rotorflush Filters Ltd to discuss this in more detail.

Recommended Cable Size for Pumps (based on 4 core cable)

Motor (kW)	Maximum Length of Cable in metres					
240v	1.5mm	2.5mm	4mm	6mm	10mm	16mm
0.37	80	130	230	350	580	1000
0.55	55	90	140	200	350	700
0.75	40	65	105	160	300	500
1.1	30	50	75	115	190	400
1.5	25	35	60	90	145	230
2.2	-	3	50	70	120	185
415v	1.5mm	2.5mm	4mm	6mm	10mm	16mm
0.37	400	500	600	850	1000	1300
0.55	315	430	600	700	900	1200
0.75	240	350	500	650	750	1000
1.1	180	285	350	450	600	900
1.5	135	225	360	470	600	900
2.2	100	165	255	390	450	700
3.0	65	110	180	255	420	560
4.0	50	85	135	195	330	500
5.5	40	70	110	165	270	390
7.5	30	55	90	130	220	495
9.2	-	52	84	126	210	337
11.0	-	-	70	106	176	282
13.0	-	-	60	90	149	239
15.0	-	-	-	78	130	208
18.5	-	-	-	-	105	170
22.0	-	-	-	-	89	139

Maximum volt drop allowed is 2.5% which is 6v @ 230v.
This table is indicative only please check with an electrician for your installation.

FREQUENTLY ASKED QUESTIONS

Frequently Asked Questions

To help find the right Rotorflush products for your application

Q Can the filter system operate non-stop 24/7?

A All our filter systems are designed for continuous use in all conditions. This is what makes the Rotorflush range of industrial filters unique. We recommend the use of some form of dry run protection – float switches and electronic controls – to ensure that changing conditions do not affect the performance of the pumps.

Q Will the filters cope with rubbish such as plastic bags?

A The principal of the self-cleaning filter is a continuous cycle of blowing away material blocking the filter with a small amount of filtered liquid, in between drawing in large amounts of filtered liquid. If a large object such as a plastic bag was to be sucked onto the surface of the filter then this will normally be removed from the screen by the backwash jets.

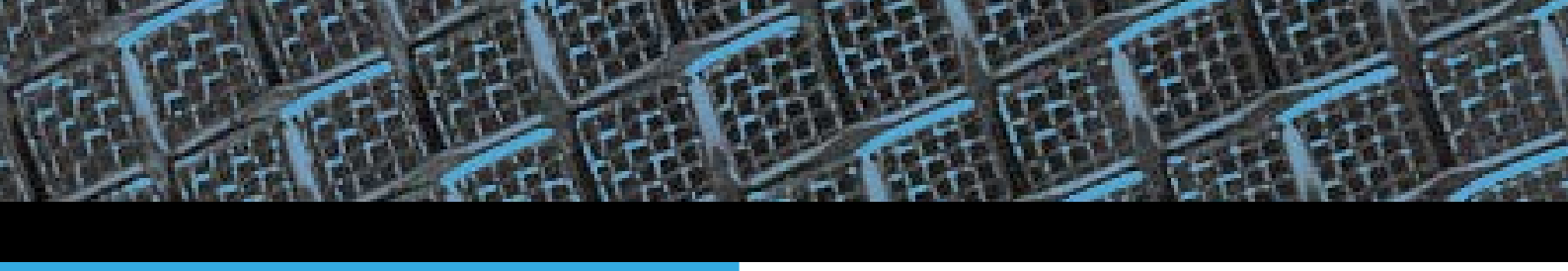
Q Where does the solid matter go, that is filtered out?

A The filters leave the solids in the water you are pumping from. Put another way the filters extract a filtered supply from the dirty water. We do have solutions if you wish to retain the solids that are filtered out ring us to discuss.

Q Will the filters extract water from sludge?

A No they won't. As a rule of thumb they work in water with some solids, not in solids with some water. The water to be filtered still has roughly the same viscosity as water. Once it becomes more viscous than water they are not suitable.

These are only a guide, **talking to us** is by far the best way to get the right Rotorflush for you!



Q Do you do one-offs or adapt your equipment for specific applications?

A Yes - we have worked with a number of companies to provide bespoke equipment to solve their filtration problemsthat changing conditions do not affect the performance of the pumps.

Q Are your products guaranteed?

A Yes we give a 1 year guarantee on products incorporating an electric motor and 3 years on all other industrial products.

Q If the motor fails on a Filterpump do I have to buy a whole new pump?

A Normally we can repair it, which is much cheaper than buying a whole new pump.

Q Are Rotorflush products suitable for Seawater?

A The RF400A, RF600R, (Filters for surface mounted pumps) and the Analyser Filter system are fine in sea water, other products will work in sea water but their life may be shortened.

Q Do you export to overseas customers?

A Yes we often export.

Questions we might ask you

Q What is the application?

A Pumping what fluid from where to where?

Q Are there suspended solids in the fluid?

A If so, what type of solids, e.g sewage, sand, weed please specify.

Q What temperature is the fluid?

A Maximum and minimum temperature.

Q How finely do you need to filter?

A If not known, what equipment do you need to protect from suspended solids, e.g. valves and nozzles.

Q What is the aperture size of the nozzles?

A minimum aperture size in the system.

Q What flow rate do you need?

A e.g. litres/second, litres/minute, cubic metres/hour, gallons/minute etc.

Q What pressure do you require from the pump?

A e.g. pounds/square inch, bars etc.

Q Do you have an existing surface mounted pump?

A If so does it have any surplus capacity to power a self cleaning filter? (they normally use 15-25% of the pump's output).

Q Electricity Supply?

A If you need a submersible pump, do you want the motor to be single phase three phase, 230v or 110v, 50Hz or 60Hz?

Award Winning UK Engineering Company

Rotorflush Filters Limited is an Award Winning UK Engineering Company. We produce a unique range of self-cleaning pump intake filters, suction strainers and on-line analyser filter systems.

We produce standard and bespoke self cleaning filters and strainers for pump suction intakes. We also produce a range of submersible filter-pumps with built-in self-cleaning pump intake filters. All our products incorporate our patented and unique Rotorflush self-cleaning filter technology.

We help our customers manage their dirty water filtration problems. We help them to keep pumps unblocked, keep their fountains looking good and their irrigation equipment unblocked and running.

We are experts in liquid / solids separation. We offer practical real world solutions to the problems customers face when pumping dirty water. We have advised and helped our many satisfied customers worldwide.

We are very happy to share our knowledge and expertise with you. Let us know your pumping and filtration issues.

rotorflush
Self-Cleaning Filters

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