

# Topaz Range 600AR Filterpumps

From £11,340.00 (GBP)



Rotorflush Topaz 600AR filterpumps are general purpose high capacity medium head filterpumps, suitable for many industrial and agricultural applications.

Their 600mm diameter stainless steel self-cleaning intake screen can be manufactured from 304 or 316 stainless steel. The powerful three phase motors have a thermal cutout and the intake screens are available in a range of mesh sizes.

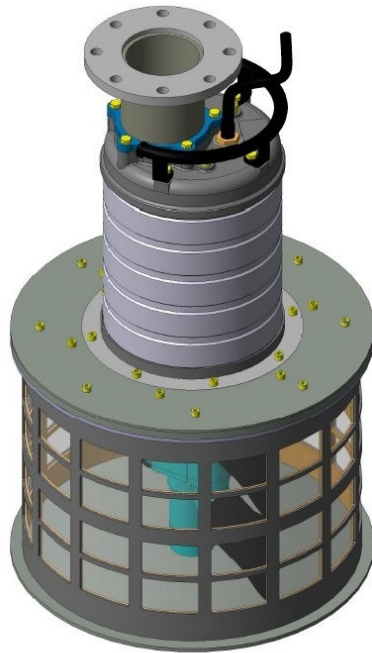
These filter pumps deliver up to 2500 litres a minute and provide the same low maintenance and efficient intake screening of all our submersible filterpumps. Mesh sizes range from 315 microns to 3mm.

Using Rotorflush's unique self-cleaning intake filter technology the Topaz range of filterpumps deliver an uninterrupted supply of water while a continuous backwash keeps the intake, pump and other downstream equipment blockage free.

## Key Features

- Cast Iron / stainless steel motor casing
- Stainless steel intake and filter mesh
- Internal overload monitoring (thermal cutout)
- Filter mesh 315 micron to 6mm
- Very low maintenance filtration
- 150 cubic metres per hour maximum flow
- Operates down to 25m depth
- Chromium alloy pump impeller
- 10m cable (longer cable can be fitted))
- Reduced capital, installation and maintenance

## Models & Specifications



### Topaz Range 600AR Submersible Pumps with Built-in Self-cleaning Intake Screens

The Topaz range is a range of industrial low to medium pressure self-cleaning submersible filterpumps offering up to 1800 litres per minute (108 m<sup>3</sup> / hr). The Topaz Range 600AR filterpumps are very robust, they have a cast iron upper cover, a strengthened AIS1304SS motor case and a chrome steel impeller. The stainless steel self-cleaning intake lets you combine pumping and screening from source without the screen or pump blocking. They are ideal for screening and moving large volumes of dirty water.

Topaz range 600AR filterpumps have self-cleaning intakes that prevent debris entering the pump and keep debris off the filter screen. They can be fitted with a range of mesh sizes:

- 315 micron stainless steel sintered filter mesh
- 1mm or 2mm woven stainless steel mesh
- 3mm perforated steel mesh.

The Topaz range filterpumps are suitable for heavy duty use and can be manufactured with 316 stainless steel self-cleaning intakes made with 316 stainless steel. All our filter mesh is 316 stainless steel. Stainless steel mesh is ideal for more challenging environments.

## Topaz 600 Range Performance and Power

Topaz Model	Volts	Hz*	Output kW	Rated Current Amps	Outlet mm	Max m <sup>3</sup> / hr	Max Head (metres)	Phase
TKS43.7-600	400	50	3.7	7.7	100	95	18	Three
TKS35.5-600	400	50	5.5	11.4	80	72	35	Three
TKS45.5-600	400	50	5.5	11.4	100	105	23	Three
TKS47.5-600	400	50	7.5	15	100	88	41	Three
TKS67.5-600	400	50	7.5	15	150	130	32	Three
TKS411-600	400	50	11	22	100	86.4	48.5	Three
TKS611-600	400	50	11	22	150	150	34	Three

**\*60 Hz versions may be available – please ask.**

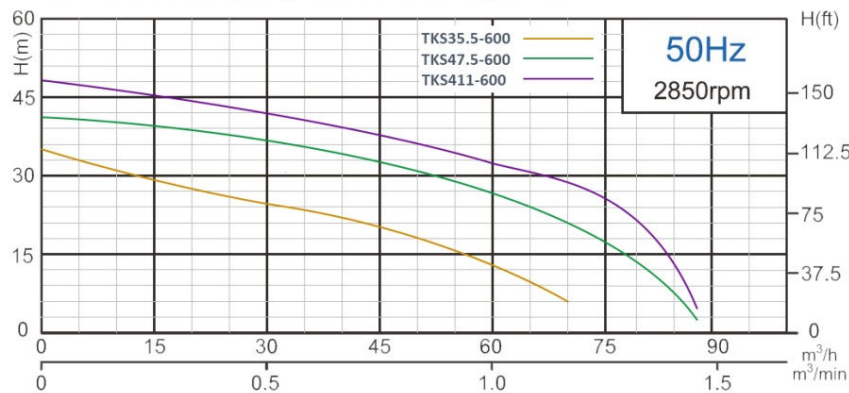
Topaz Range submersible pumps have three phase motors and are fitted with self-cleaning suction intake screens.

NB: It is very important that three phase motor filterpumps are connected to their power source correctly, to ensure that the pump motor runs in the right direction. When pumps run backwards they are inefficient and the motor may be damaged. Please note that we **strongly recommend** the use of Control Panels and / or a Din Rail mounted Cos Phi Load Monitor with **all 3 phase models** to prevent damage to pumps.

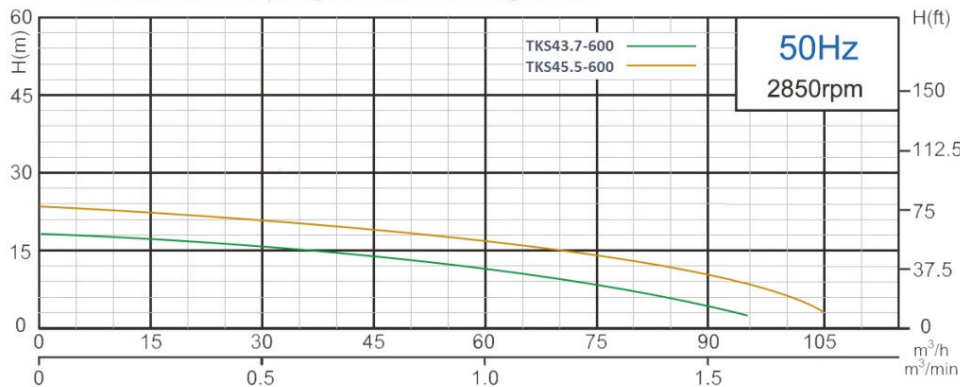
Installing adequate load monitoring is a condition of our guarantee for these products.

## Topaz Range Submersible pumps - Performance Curves

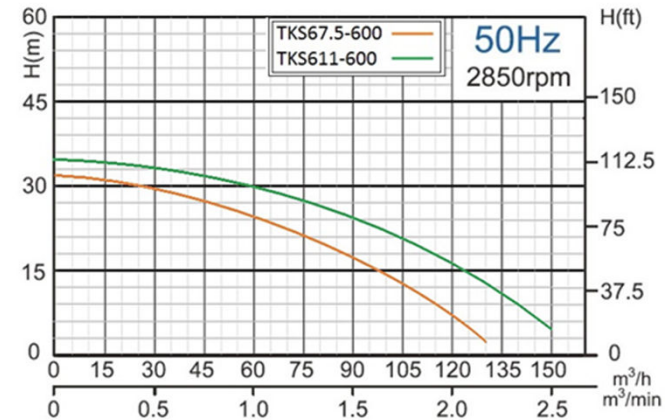
Rotorflush Model TKS35.5-600,  
TKS47.5-600 & TKS411-600  
Submersible Filterpump with Self-cleaning Intake



Rotorflush Model  
TKS45.5-600 & TKS43.7-600  
Submersible Filterpump with Self-cleaning Intake

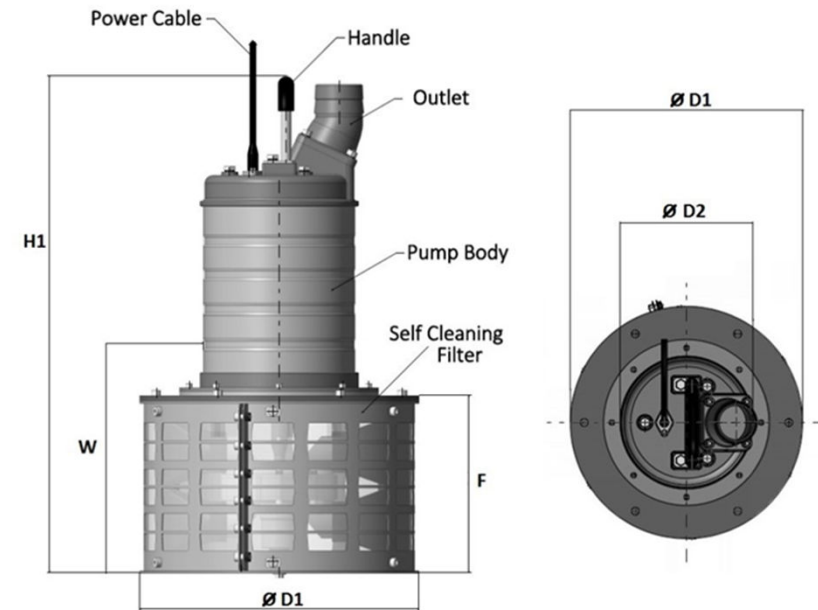


Rotorflush Model  
TKS67.5-600 & TKS611-600  
Submersible Filterpump with Self-cleaning Intake



## Topaz Range submersible pumps - Dimensions

Model	H1 Height	F Intake Height	D1 Intake Diameter	D2 Pump Diameter	W1 Min Depth	Outlet
TKS43.7-600	956	476	655	300	550	100
TKS35.5-600	971	476	655	300	550	80
TKS45.5-600	996	476	655	300	550	100
TKS47.5-600	1151	476	655	323	600	100
TKS67.5-600	1151	476	655	323	600	150
TKS411-600	1195	476	655	323	600	100
TKS611-600	1195	476	655	323	600	150



## Self Cleaning Filter Construction



Filter screen area	5600 cm <sup>2</sup>
Screen sizes standard	300 micron, 315 micron, 1mm, 2mm, and 3mm
Screen material	Nylon mesh, polypropylene insert (300 micron) Sintered stainless steel mesh (315 micron) Stainless steel woven mesh (1mm and 2mm) Stainless steel perforated mesh (3mm)
Impeller extension shaft	Stainless Steel
Impeller	Stainless steel
Rotor	ABS (Acrylonitrile Butadiene Styrene)
Rotor Bearings	Silicon Carbide
Filter cage	Stainless Steel
Cleaning Jets	Natural Rubber Jets, stainless steel clips

**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.

Rotorflush filterpumps work best with good clearance all around the self-cleaning intake filter.



We can fit stands to suit.



## Ordering

**Topaz 600AR Submersible Pumps from 600 to 1000 litres / min**  
**Submersible pumps with integral self-cleaning suction intake filters (three phase 415v 50Hz)**

Topaz Model No.	Prices
TKS43.7-600	£11,340.00
TKS35.5-600	£11,600.00
TKS45.5-600	£11,670.00
TKS47.5-600	£12,200.00
TKS67.5-600	£12,220.00
TKS411-600	£12,880.00
TKS611-600	£12,910.00

**Please note:**

**All our products are manufactured to order**

**Delivery is by carrier and is usually between 7 and 14 days from order depending on product and availability.**

**Carriage and packing charges are extra.**

300 micron nylon filter mesh, 315 micron stainless steel mesh, 1mm and 2mm woven stainless steel, or 3mm perforated stainless steel mesh can be fitted. Sintered stainless steel 315 micron mesh screens are **plus £265.00p (GBP)** per filter-pump