

Pre-Pump Strainers

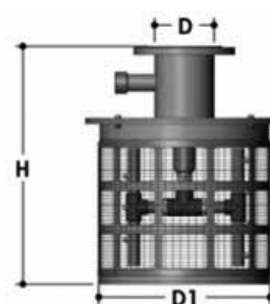
Application

The hydraulic pre-pump strainers (PPS) are self-cleaning and enable high quality pumping from different types of water sources such as sewage, reservoirs, rivers and lakes. The PPS helps to extend the life of the pump and protects the entire filtration system from becoming clogged and deteriorating, ensuring effective and efficient pumping is maintained.

The PPS is submerged in the water source, when pumping starts, water flows through the screen. Large suspended debris and dirt accumulates on the screen preventing it from entering the pump and the water system. The screen is automatically self-cleaned by water spray from the nozzles, continuously rotating and covering the entire area of the screen.

Features

- Outlet: 100 mm, 150 mm, 200 mm, 250 mm and 300 mm
- Body of strainer and connections: Carbon Steel ST37.2
- Pre-treatment: sand blasting up to Sa 2.5 grade
- Exterior & Interior coating: electrostatic oven baked polyester-epoxy powder coating with a thickness of 150-200 micron
- Screen made from 304 stainless steel
- Operating pressure: 200-300 kPa
- Supplied with 2500 micron screen
- Includes 12 m of 25 mm flexible flush pipe with connection fittings
- Tripod legs available to order separately



Pre-Pump Strainers Technical Data									
Model	In/Out D (mm/inch)	D1 (mm)	H (mm)	Outlet Diameter (mm)	Flush Pipe Diameter (mm)	Screen Area (cm ²)	Maximum Flow Rate (m ³ /h)*	Flushing Flow Rate** (m ³ /hr)	Shipping Weight (kg)
							2500 µm		
PPS1004	100/4	478	520	100	25	4805	100	7	60
PPS1006	150/6	478	670	150	40	6998	190	10	75
PPS1008	200/8	478	870	200	40	10061	380	16	80
PPS1010	250/10	748	790	250	40	13770	630	16	128
PPS1012	300/12	748	970	300	40	18000	880	21	141

* Maximum flow rate data is based on high quality water.
De-rate the strainer capacity depending on water quality, load and filtration grade.

** Based on 300 kPa operating pressure.

Ordering Information	
Code	Description
PPS1004	4" Pre-Pump Strainer, 100 m ³ /hr
PPS1006	6" Pre-Pump Strainer, 190 m ³ /hr
PPS1008	8" Pre-Pump Strainer, 380 m ³ /hr
PPS1010	10" Pre-Pump Strainer, 630 m ³ /hr
PPS1012	12" Pre-Pump Strainer, 880 m ³ /hr