

AF800 Parallel and In-Line Hydraulic Auto Screen Filter Suction Scanner

Application

- For use with drip, micro and sprinkler irrigation systems and back up filtration at the control valves in the field.
- All screens are 120 mesh (standard). 40 and 80 mesh also available as standard in some models. Other screens available upon request.

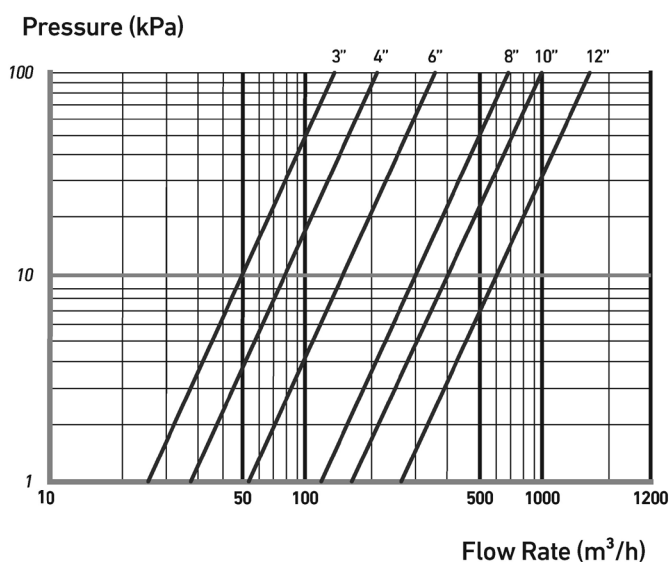
Features

- Available in parallel or in-line configuration
- Filter housing material of construction: 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 (some configurations available with galvanised body)
- Filter element: - Stainless Steel screen AISI 316 mesh, supported by a PVC cylinder
- Automatic self cleaning with 6VDC or 12VDC controller
- Minimum operating pressure: 200 kPa
- Maximum operating pressure: 1000 kPa
- 10 second flushing cycle (user settable)
- Pressure differential or time-based flushing control
- Table D flanges (standard). Others built to order



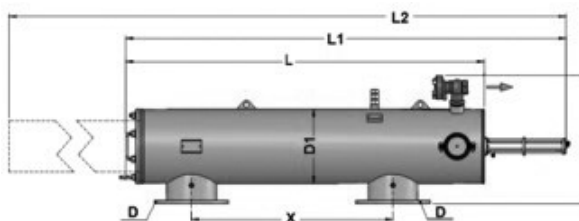
Parallel Hydraulic Auto Screen Filter - Suction Scanner

AF800 Series Head Loss Graph (120 mesh)



Filtration Grade Conversion Table

Micron	10	25	30	40	50	80	100	120	150	200	400	800	1500	3000
Mesh	1500	650	550	400	300	200	150	120	100	80	40	20	10	5



Parallel Hydraulic Auto Screen Filter

AF800 Parallel and In-Line Hydraulic Auto Screen Filter Suction Scanner cont.

AF800 – Technical Data														
Model Number	In/Out Diam D (mm)	Segment Diameter (mm)	No. of Segments	D1 (mm)	H (mm)	X (mm)	L (mm)	L1 (mm)	L2 (mm)	Maxm ⁽¹⁾ Flow Rate (m ³ /hr)	Flushing ⁽²⁾ Flow Rate (m ³ /hr)	Screen Area (cm ²)	Shipping Weight (kg)	No. of Flush Valves
AF803LOPR	80/3	225	2	250	545	450	1139	1386	2040	50	30	3220	110	1
AF804LOPR	100/4	225	4	250	545	900	1535	1782	2820	80	30	5780	135	1
AF806LOPR	150/6	225	4	300	580	900	1605	1851	2890	150	30	5780	147	1
AF806XLP	150/6	225	6	250	555	900	2001	2247	3680	160	30	8410	157	1
AF808LOPR	200/8	225	6	300	579	900	2190	2437	3870	300	30	8410	187	1
AF810LOPR	250/10	225	6	350	595	900	2194	2437	3870	400	30	8410	212	1
AF810XLP	250/10	280	6	400	720	1100	2700	3145	5420	450	90	11710	405	3
AF812PR	300/12	280	6	400	720	1100	2700	3145	5420	600	90	11710	410	3

⁽¹⁾ Based on 10 kPa loss across inlet to outlet flange, clean water.

⁽²⁾ Based on minimum flushing pressure of 200 kPa.

* Flow rate data is for high quality water at filtration grade of 120 mesh.

** Flushing flow rate data is for minimum operational pressure (200 kPa)

De-rate the filter flow capacity depending on water quality, load and filtration grade.
Flush Valve: 50 mm BSPF

XLP= Extra long filter with extra large filtration area. PR= Parallel.
IL= in line. LO= Long filter with large filtration area.

Ordering Information	
Code	Description
AF803LOPR-120	3" Flanged, 120 mesh, 50 m ³ /hr
AF804LOPR-40	4" Flanged, 40 mesh, 80 m ³ /hr
AF804LOPR-80	4" Flanged, 80 mesh, 80 m ³ /hr
AF804LOPR-120	4" Flanged, 120 mesh, 80 m ³ /hr
AF806LOPR-40	6" Flanged, 40 mesh, 150 m ³ /hr
AF806LOPR-80	6" Flanged, 80 mesh, 150 m ³ /hr
AF806LOPR-120	6" Flanged, 120 mesh, 150 m ³ /hr
AF806XLP-120	6" Flanged Extra Long Body, 120 mesh, 160 m ³ /hr
AF808LOPR-40	8" Flanged, 40 mesh, 300 m ³ /hr
AF808LOPR-80	8" Flanged, 80 mesh, 300 m ³ /hr
AF808LOPR-120	8" Flanged, 120 mesh, 300 m ³ /hr
AF810LOPR-120	10" Flanged, 120 mesh, 400 m ³ /hr
AF810XLP-120	10" Flanged Extra Long Body, 120 mesh, 450 m ³ /hr
AF812PR-120	12" Flanged, 120 mesh, 600 m ³ /hr

* In-line models and galvanised bodies. For availability please contact Toro Australia.

All auto screen filters come with complete instruction booklets for operation and maintenance