

AF200 Right Angle Automatic Suction Scanner Screen Filter

Application

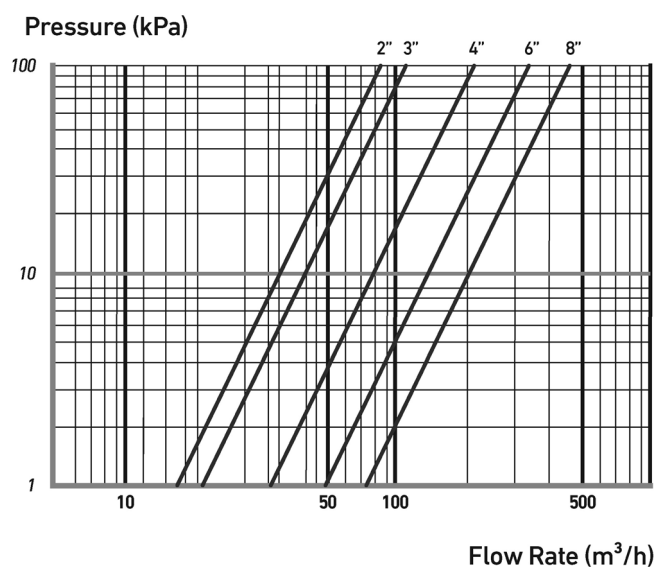
- For use with drip, micro and sprinkler irrigation systems and back up filtration at the control valves in the field
- Screens available in 40, 80 and 120 mesh. Other screens available upon request

Features

- Baked epoxy coated carbon steel body
- Screen made from 316 stainless steel
- Automatic self cleaning with control voltage either 6 VDC or 12 VDC
- Clean filter pressure loss 10 kPa - for maximum recommended flows
- Maximum operating pressure: 1000 kPa
- Minimum operating pressure: 200 kPa
- 5 second flushing cycle (user settable)
- Pressure differential or time based flushing control
- Flush valve
 - 25 mm (AF202-204)
 - 50 mm (AF206-208)
- Low flush rate - 6 m³/h (at 200 kPa) 50, 80, 100 mm
 - 12 m³/h (at 200 kPa) 150, 200 mm



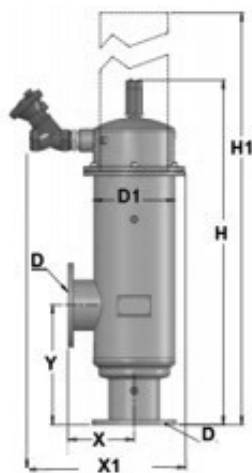
Automatic Hydraulic Filters - Series AF200
Head Loss Graph



AF200 Right Angle Automatic Suction Scanner Screen Filter cont.

AF200 Series Technical Data

Model	In/Out D (mm/inch)	D1 (mm/inch)	X (mm)	X1 (mm)	Y (mm)	H (mm)	H1 (mm)	Maximum Flow Rate (m³/h)*	Screen Area (cm²)	Flushing Flow Rate (m³/h)**	Shipping Weight (kg)
AF202	50/2	250/10	220	465	197	507	475	30	1100	6	43
AF203	80/3	250/10	220	465	197	507	475	40	1100	6	45
AF204	100/4	250/10	220	465	210	641	610	80	1630	6	50
AF206	150/6	250/10	220	585	400	1150	1575	130	4120	20	90
AF208	200/8	400/16	303	642	450	1219	1700	200	5240	20	150



Model AF200

Filtration Grade Conversion Table

Micron	25	30	40	50	80	100	120	150	200	400
Mesh	650	550	400	300	200	150	120	100	80	40

Ordering Information

Code	Description
AF202M-80	2" BSPF, 80 Mesh, 30 m³/hr
AF202M-120	2" BSPF, 120 Mesh, 30 m³/hr
AF203M-80	3" BSPF, 80 Mesh, 40 m³/hr
AF203M-120	3" BSPF, 120 Mesh, 40 m³/hr
AF204F-80	4" Flanged, 80 Mesh, 80 m³/hr
AF204F-120	4" Flanged, 120 Mesh, 80 m³/hr
AF206F-120	6" Flanged, 120 Mesh, 130 m³/hr
AF208F-120	8" Flanged, 120 Mesh, 200 m³/hr

S= Filter with large filtration area

* Flow rate data is for high quality water at filtration grade of 120 mesh. De-rate the filter flow rate depending on water quality, load and filtration grade.

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

Flush water consumption (at 200 kPa): 8 Litres (50, 80, 100 mm) ; 16 Litres (150, 200 mm)

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