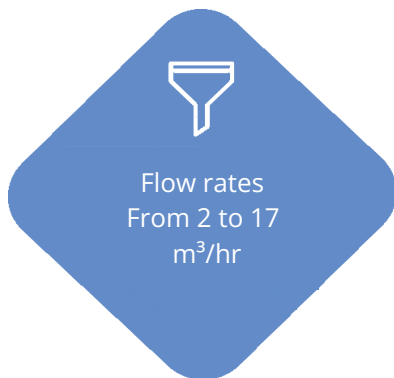


FILTRAFLO™ FPA-D

Media Pressure Filtration

Granular media pressure filter can remove suspended solids using two possible types of media configurations and a backwash fed by feed water only.



✓ FEATURES & BENEFITS

- Cost-effective solution for solids removal
- Polyamide vessels PN6; corrosion resistant
- Bottom distributors with star nozzles
- Air vents
- Simplex configuration
- U-PVC pipings
- Automatic diaphragm or butterfly valves with Pneumatic actuators
- High quality filtration media available
- Indoor Installation

HYDREX™ CHEMICALS

Hydrex® 3000 and 6000 water treatment chemicals from Veolia Water Technologies may optionally be used to enhance filtration.

💧 APPLICATIONS

- Surface and well water filtration
- Cooling tower water filtration loop
- Pre-treatment prior to membrane and ion exchange technologies
- Organics removal with specific media
- Wastewater filtration for reuse

+ OPTIONS

- Pressure Gauge or Pressure transmitter
- Choice of high quality media: Double (sand, garnet, Anthracite) or triple (sand, garnet, Anthracite) layer media
- Control panel for automatic backwashing and rising
- Air compressor for pneumatic valves

ASSOCIATED SERVICES

Local after-sales service and support teams offer preventative and corrective maintenance programs to ensure the long-term, efficient operation of installed plant.





System Operating Parameters

Model	Unit	FPA-D-50-100	FPA-D-60-140	FPA-D-70-125	FPA-D-90-110	FPA-D-120-100
Nominal Feed Flowrate ⁽¹⁾	m ³ /h	1.7 - 3.6	2.2 - 4.7	3.5 - 7.4	5.0 - 10.7	9.8 - 20.9
Backwash Flowrate	m ³ /h	8	11	16	23	41
Maximum Operating Pressure	bar	6	6	6	6	6
Maximum Operating Temperature	°C	40°C	40°C	40°C	40°C	40°C
Rinsing water	m ³ /h	2.50	4.50	7.00	9.00	18.00

⁽¹⁾ Flow rate are given for filtration velocity between 8 and 17m/h. Filtration performance will vary depending on filtration velocity, media selection and inlet water quality

System Dimensions

Model	Unit	FPA-D-50-100	FPA-D-60-140	FPA-D-70-125	FPA-D-90-110	FPA-D-120-100
Total Installed Length	m	0.65	0.75	0.90	1.15	1.40
Total Installed Width	m	0.80	0.90	1.05	1.20	1.55
Total Installed Height	m	1.91	2.14	2.14	2.14	2.36
Empty Weight	kg	52	75	124	173	306
Operating Weight	kg	300	750	900	1200	1500

Pipes Connections

Model	Unit	FPA-D-50-100	FPA-D-60-140	FPA-D-70-125	FPA-D-90-110	FPA-D-120-100
Feed	DN	25	25	40	65	65
Treated water	DN	25	25	40	65	65
Drain	DN	25	25	40	65	65

Feed water Requirements

Parameter	Unit	Value
Minimum Operating Pressure	bar	1 ⁽²⁾
Maximum Inlet TSS	mg/l	< 45 ⁽³⁾

⁽²⁾ Feed supply pressure must be able to cover backwash flow rate to

⁽³⁾ Above 45 mg/L it must be validated by SOLYS Technical Department

Environmental Conditions

Parameter	Unit	Value
Minimum ambient temperature	°C	5
Maximum ambient temperature	°C	55
Maximum humidity	%	75

Materials of Construction

Pressure Vessels	Polyamid (6, UV resistant)
Pipework	U-PVC

Air & Power Requirements

Parameter	Unit	Value
Compressed Air Pressure	barg	6
Voltage	V	230 ⁽⁴⁾
Frequency	Hz	50 ⁽⁴⁾

⁽⁴⁾ If PLC Controller option or air Compressor selected