

ER

SAND MEDIA
DUAL FILTERS

Description

Dual chamber sand media filter with "plate" and "mushroom" diffuser drainage. It combines the functions of a dual chamber sand media filter in a compact and transportable body. Ideal for treating difficult waters (high turbidity, presence of algae and other organic residues) in medium-sized systems.



Flow rate
10 - 100 m³/h



Filtering Surface
3490 - 15000 cm²



Diameters
1"1/2 - 5" (DN125)

Advantages

- ✓ **"Plate" drainage system** with very high efficiency in both the filtration and wash stages
- ✓ **Sturdy construction** with high gauge metal.
- ✓ **High surface area filtration** in a compact and transportable body
- ✓ **Large inspection and load hatches**, for easier maintenance and use

Construction materials

FILTER BODY	Structural steel
MANIFOLDS	Structural steel
COATING	Polyester powder coating (min. thickness 160 micron)
DIFFUSERS	Polypropylene
FILTERING ELEMENT	Sand (recommended grain size: 0.8 - 1.2 mm)
GASKETS	EPDM
ACCESSORIES	Polypropylene

Conditions of use

PH RANGE	4<pH<11
MAX TEMPERATURE	60 °C / 140 °F
MAX PRESSURE	8 bar at 20°C
MIN PRESSURE	2.5 bar (backwash stage)



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Selecting the correct model

General Specifications	BODY DIAMETER	400 mm	500 mm	600 mm	750 mm	850 mm
	CONNECTIONS	1"1/2	2"	3"	4"	5"
	CONNECTION TYPE	Threaded Female		Threaded Female - Flanged		Flanged
	QUANTITY OF SAND	60 kg	120 kg	200 kg	450 kg	600 kg
	FILTERING SURFACE	3490 cm ²	4910 cm ²	6630 cm ²	11040 cm ²	15050 cm ²
	MAXIMUM FLOW RATE	11 m ³ /h	30 m ³ /h	60 m ³ /h	80 m ³ /h	110 m ³ /h
	FILTERING CAPACITY	VERY HIGH				
Backwash Data	MINIMUM FLOW RATE	7 m ³ /h	10 m ³ /h	14 m ³ /h	22 m ³ /h	30 m ³ /h
	MINIMUM PRESSURE	2.5 bar				
	MIN TIME BACKWASH	60 - 120 sec.				
	BACKWASH CRITERIA	ΔP max 0.5 bar - washing cycles according to water quality				
Applications	AGRICULTURE	Primary filtration of "Difficult" water - medium-large systems				
	LANDSCAPE					

Compatible automation kits
(to be ordered separately)



Ref.	Description
IFKTBS02IM	2 outlets - 12VDC latch



Ref.	Description
IFKFAU02IO	2 outlets - 24VAC



Ref.	Description
IFKPBS02IM	2 outlets - 12VDC latch



Ref.	Description
IFKFB02IO	2 outlets - 12VDC latch

DUAL CHAMBER FILTER: CONTROL VALVE OPTIONS		
FILTER BODY AND MANIFOLD	BALL VALVE KIT (MANUAL)	3-WAY VALVE KIT (AUTOMATABLE)
IFERV15H		
0FER3V20H	0FKMRV0GI	IFKMV02G
0FER3V30H		
0FER3V30F	0FKMRV0LM	IFKMV02I
0FER3V40H		
0FER3V40F		
0FER3V50F		