

ECV **SAND MEDIA**
FILTERS

Description

Sand media filter with radial arm and "maxi-flow" diffuser drainage. Made of high gauge metal and protected by a high quality epoxy paint. Ideal for treating difficult waters (high turbidity, presence of algae and other organic residues)



Flow rate
14 - 90 m³/h



Filtering Surface
2800 - 11300 cm²



Diameters
2" - 4"



Advantages

- ✓ **Lightweight, compact design** – retractable supports
- ✓ **Sturdy construction** with high gauge metal.
- ✓ Large, easy to open, oval inspection **and load hatches**

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

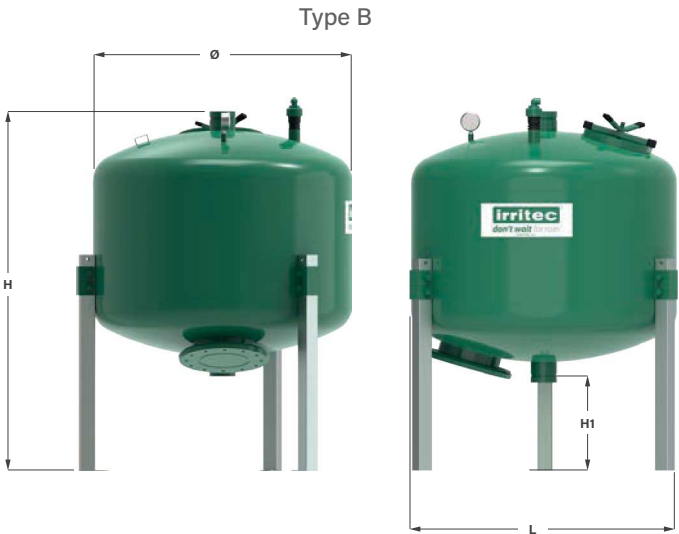
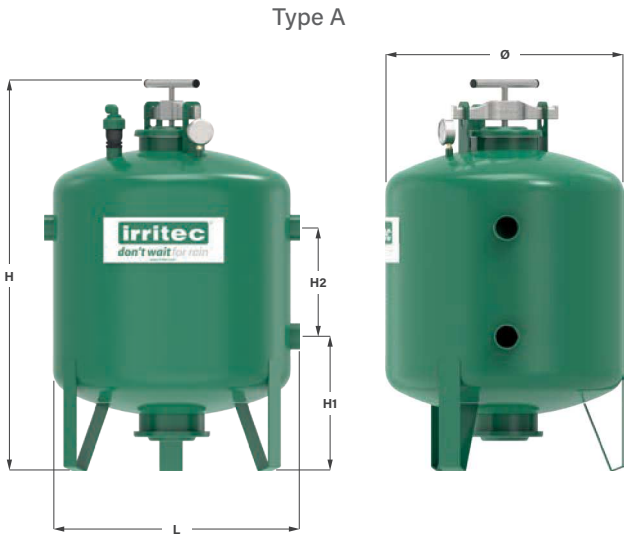
Conditions of use

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

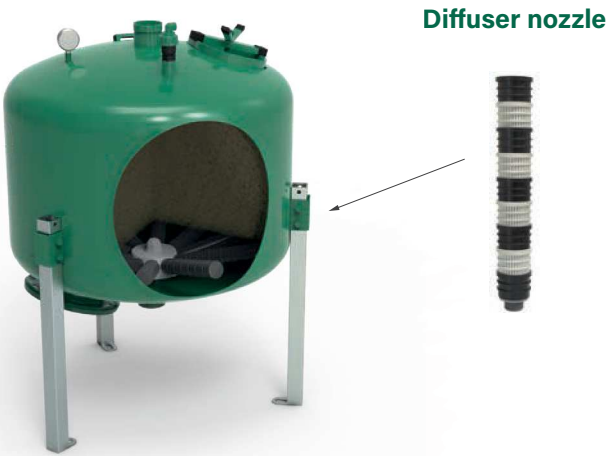
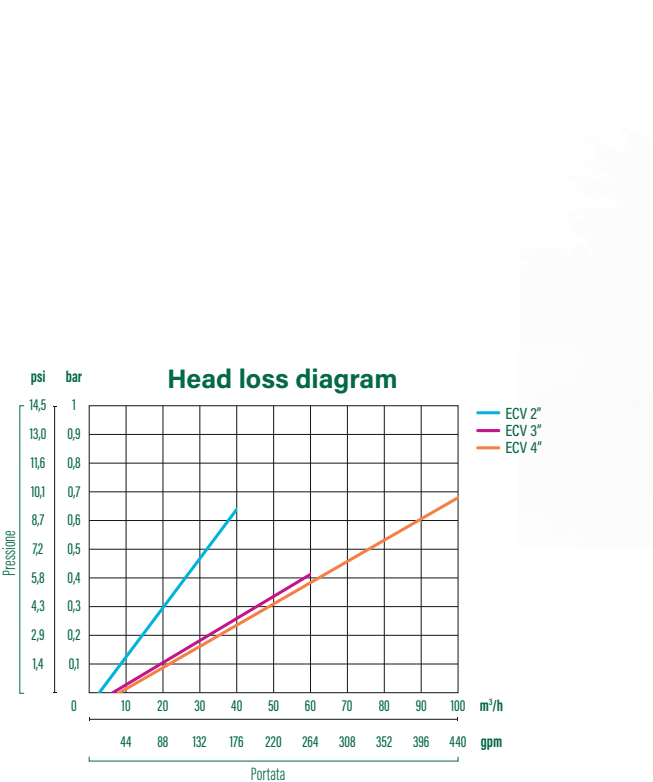
Selecting the correct model

MODEL	600 (24")	750 (30")	900 (36")	1200 (48")
CONNECTIONS	2"		3"	4"
MODEL	Type A 	Type B 		
General Specifications	CONNECTION TYPE	Threaded Female		Threaded Female - Flanged - Grooved
	FILTERING SURFACE	2800 cm ²	4400 cm ²	6400 cm ² 11300 cm ²
	QUANTITY OF SAND	150 kg	200 kg	350 kg 800 kg
	MAXIMUM FLOW RATE	28 m ³ /h	42 m ³ /h	62 m ³ /h 90 m ³ /h
	FILTERING CAPACITY	VERY HIGH		
Backwash Data	MINIMUM FLOW RATE	11 m ³ /h	18 m ³ /h	25 m ³ /h 45 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		
	 LANDSCAPE			

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Ø body (mm)	Connections		Code	Type	Number Nozzles	Length Nozzles (mm)	Flow rate (m³/h)	L (mm)	H (mm)	H1 (mm)	H2 (mm)	Weight (kg)
600	2"	threaded female	IFECV20H600	Type A	6	237	14÷28	650	1000	335	275	70
750		threaded female	IFECV20H750	Type B	6	274	21÷42	810	1220	350	-	85
900	3"	threaded female	IFECV30H900		8	347	32÷62	960	1265	300	-	110
		grooved	IFECV30W900				32÷62		1245	320	-	
		flanged	IFECV30F900				1200		370	-	120	
1200	4"	threaded female	IFECV40H1200		16	493	35÷90	1320	1340	300	-	220
		grooved	IFECV40W1200				1300		340	-		
		flanged	IFECV40F1200				1270		370	-	230	



Recommended flow rate (m³/h)
according to water quality

Model	Internal Body	Flow rate Maximum	Medium Quality	Poor Quality	Very poor Quality
ECV	600	28	17	14	11
	750	42	26	22	18
	900	62	40	30	25
	1200	90	70	55	45