

Multi-valves ECO Sand filters Duplex F-ECO-MV-D-S



1,7 to 31 m³/h continuous duty (duplex alternating mode)

3,4 to 62 m³/h peak flow rate (duplex parallel mode)



FILTRATION

MULTI-VALVES ECO SAND FILTERS

DUPLEX AUTOMATIC

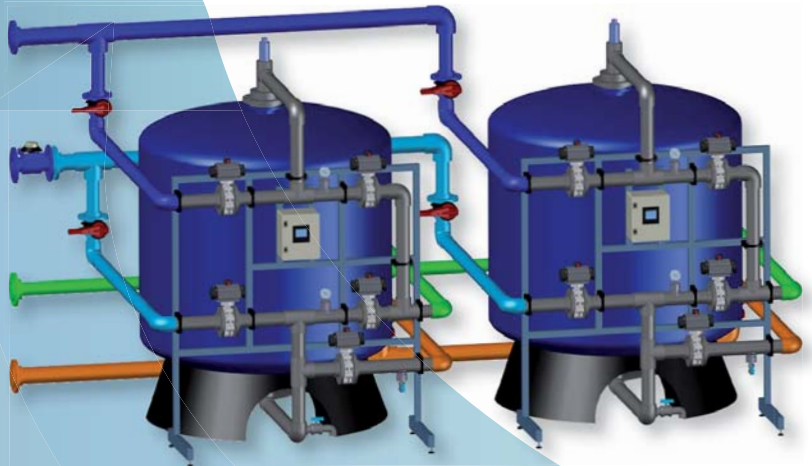
- The multi-valves ECO sand filters (please refer to the F-ECO-MV-S-S data sheet) can be used in duplex version. The NXT Stager Controllers with rotating distributor can be interconnected with a simple communication cable.

The programming allows either the alternating mode (one filter in service, the other one in cleaning cycle or standby) or the parallel mode (two filters in service with cleaning of one filter after the other).

- Alternating mode** : 24-hour continuous duty with flow rates up to 31 m³/h.

Parallel mode : up to 62 m³/h except during the cleaning cycle, when the flow rate is divided by two.

- For filter specifications please refer to the F-ECO-MV-S-S data sheet.
In order to start the cleaning cycle according to the volume of filtered water, a single water meter is necessary for the two filters.
In order to start the cleaning cycles according to the pressure loss, a single contact differential pressure gauge is necessary for the two filters.



NXT Stager Controller

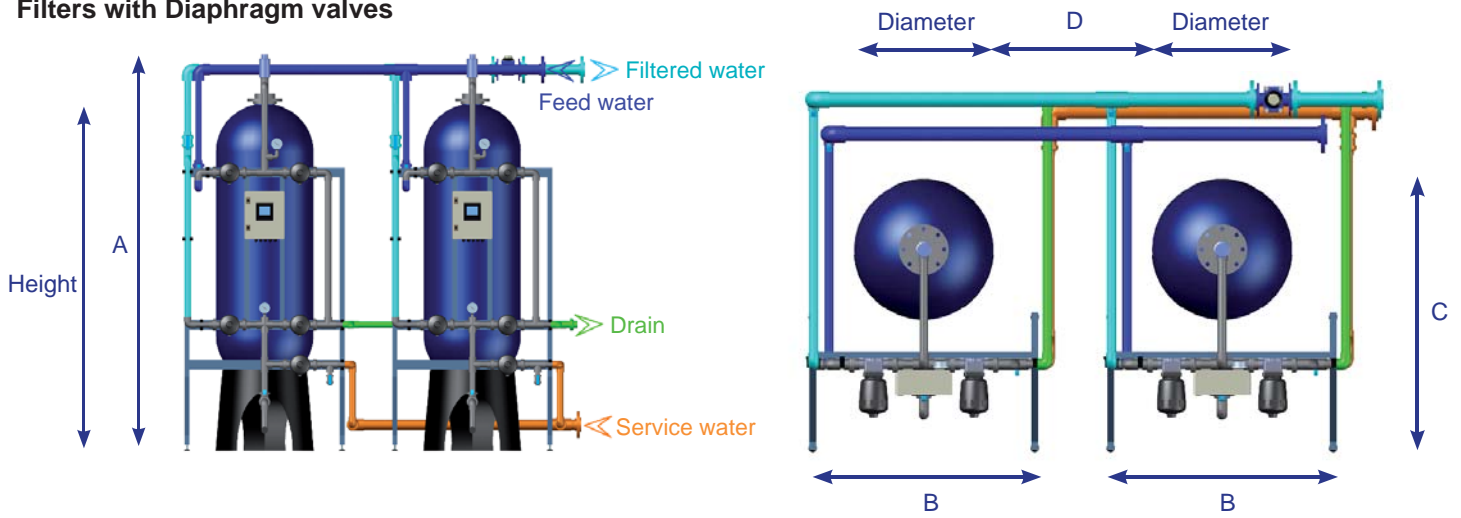
APPLICATIONS

- Well and borehole water filtration.
- Industrial water filtration.
- Factory feed water.
- Pretreatment of membrane systems (ultrafiltration, reverse osmosis).
- Pretreatment of ion exchange units.
- Cooling circuits filtration (filling up or recirculation).

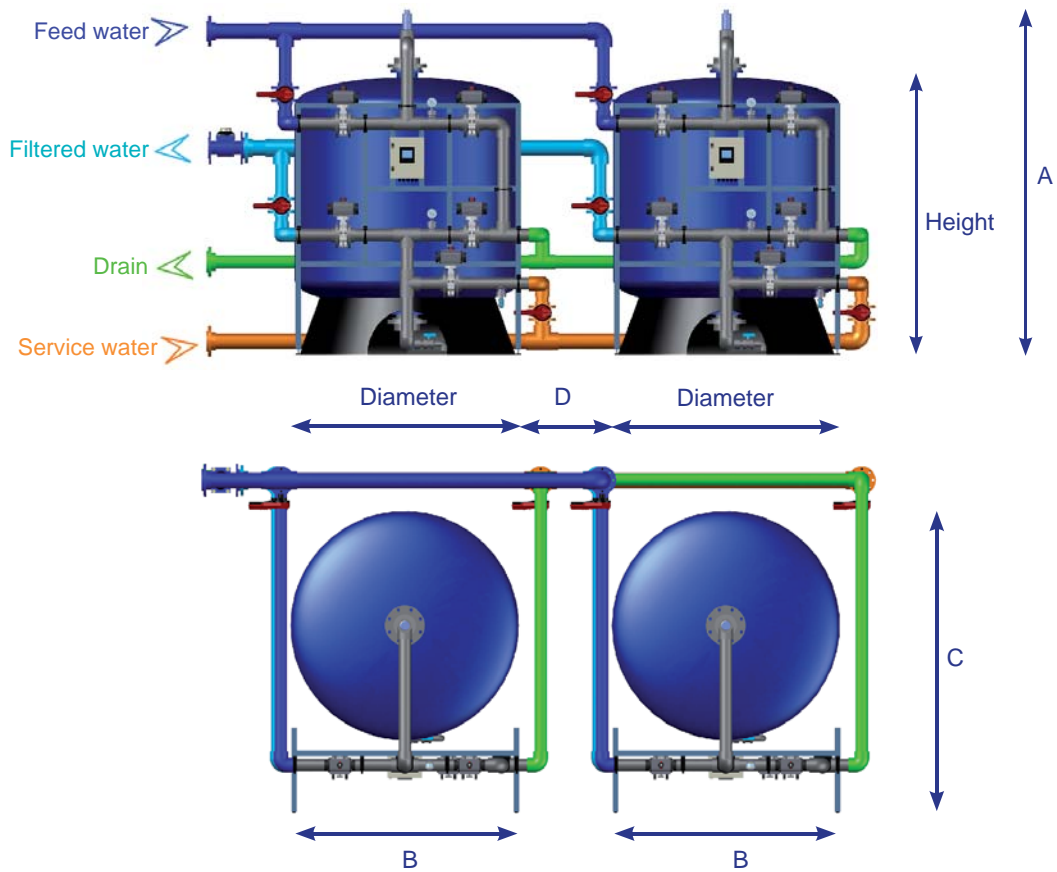
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REFERENCES AND FOOTPRINTS

Filters with Diaphragm valves



Filter with Butterfly valves



Reference	Model	Diameter	Height	A	B	C	D
		mm					
F-ECO-MV-D-S-18	18 x 65"	469	2080	2300	800	1000	700
F-ECO-MV-D-S-21	21 x 60"	552	1923	2300	800	1000	700
F-ECO-MV-D-S-24	24 x 69"	610	2169	2400	1000	1200	700
F-ECO-MV-D-S-30	30 x 72"	770	2248	2500	1000	1200	700
F-ECO-MV-D-S-36	36 x 72"	927	2305	2500	1000	1200	700
F-ECO-MV-D-S-42	42 x 63"	1074	2065	2600	1000	2000	700
F-ECO-MV-D-S-48	48 x 72"	1220	2430	2700	1000	2200	700
F-ECO-MV-D-S-63	63 x 86"	1623	2475	2800	1650	2200	700

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SPECIFICATIONS

	Alternating mode – continuous duty m ³ /h			Parallel mode – Peak flow rate m ³ /h (1)		
	at the following velocity					
	10 m/h	12 m/h	15 m/h	10 m/h	12 m/h	15 m/h
F-ECO-MV-D-S-18	1.73	2.07	2.59	3.46	4.14	6.92
F-ECO-MV-D-S-21	2.39	2.87	3.59	4.78	6.86	7.18
F-ECO-MV-D-S-24	2.92	3.51	4.38	5.84	7.02	8.76
F-ECO-MV-D-S-30	4.65	5.59	6.98	9.30	11.18	13.96
F-ECO-MV-D-S-36	6.75	8.09	10.12	13.5	16.18	20.24
F-ECO-MV-D-S-42	9.05	10.87	13.58	18.10	21.74	27.16
F-ECO-MV-D-S-48	11.68	14.02	17.53	23.36	28.04	35.06
F-ECO-MV-D-S-63	20.68	24.81	31.02	41.36	49.62	62.04

(1) During the cleaning cycle, this flow rate is divided by two.

