



Industrial Iron Filters

OPTIMO 800-3800

Used in houses , hotels, restaurants, industrial and commercial applications, agriculture and others.

- Iron removal (to 20mg/l) and manganese removal (to 3m/l)
- Flow rate depend on inlet water parameters
- Filter media activated for iron and manganese removal
- Automatic backwash and fast rinse cycles, optional additional air backwash

The filter consist of:

- Mild steel tank epoxy and polyurethane coated
- Filter media activated for iron and manganese removal
- 3 cycle valve controller for backwash , fast rinse and service, or 4 cycle valve controller including air backwash. Text panel with easy programming and visualization of work
- Preassembled frame with membrane valves AQUAMATIC and valve stager or solenoid valve island, connected with valves pilot connector. Piping PVC ready to connect to tank , inlet/outlet and drain.



OPTIMO 1800

TECHNICAL DATA:

MODEL	Filtration area [m ²]	Nominal Flow Rate [m ³ /h] at Filtration Rate ⁽¹⁾ [m/h]			Backwash Flow Rate [m ³ /h] ⁽²⁾		Media Volume [m ³]
		8	12	20	min	max	
OPTIMO 800	0,50	4,8	7,2	12,1	17,6	35,2	0,60
OPTIMO 1000	0,79	2,5	3,8	6,3	27,5	55,0	0,31
OPTIMO 1200	1,13	10,9	16,3	27,1	39,6	79,2	1,36
OPTIMO 1400	1,54	14,8	22,2	36,9	53,9	107,8	1,85
OPTIMO 1600	2,01	19,3	29,0	48,3	70,4	140,7	2,41
OPTIMO 1800	2,54	24,4	36,6	61,1	89,1	178,1	3,05
OPTIMO 2000	3,14	30,2	45,2	75,4	110,0	219,9	3,77
OPTIMO 2400	4,52	43,4	65,1	108,6	158,3	316,7	5,43
OPTIMO 2800	6,16	59,1	88,7	147,8	215,5	431,0	7,39
OPTIMO 3000	7,07	67,9	101,8	169,6	247,4	494,8	8,48
OPTIMO 3400	9,08	87,2	130,7	217,9	317,8	635,5	10,90
OPTIMO 3800	11,34	108,9	163,3	272,2	396,9	793,9	13,61

⁽¹⁾ selection of filtration velocity of water depends on the composition and type of deposit

⁽²⁾ flow from washing depends on the type of the filter media

BASIC DIMENSIONS:

MODEL	Nominal diameter	External diameter	Total height	Connection Dn	Height of the cylindrical	Weight
	[mm]	Dz	H	Dn	h	[kg]
OPTIMO 800	800	810	2290	80	1500	327
OPTIMO 1000	1000	1010	2560	80	1500	428
OPTIMO 1200	1200	1212	2690	100	1500	624
OPTIMO 1400	1400	1412	2800	100	1500	713
OPTIMO 1600	1600	1614	3040	150	1500	970
OPTIMO 1800	1800	1814	3140	150	2000	1113
OPTIMO 2000	2000	2020	3700	150	2000	1900
OPTIMO 2400	2400	2420	4200	150	2000	3007
OPTIMO 2800	2800	2820	4200	200	2000	3460
OPTIMO 3000	3000	3024	4400	200	2000	4202
OPTIMO 3400	3400	3428	4800	200	2000	5500
OPTIMO 3800	3800	3832	5200	200	2000	7200



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OPTIMO 3800-5300