



WATERMIL GRAVEL FILTERS

Product information

- Designed to filter water from rivers, lakes, pools and water resources
- Two-chamber construction
- Operation in two modes: filtration and rinsing
- Maximum filtration performance
- Simple structure and easy operation
- Reduced maintenance requirements
- 3 service places

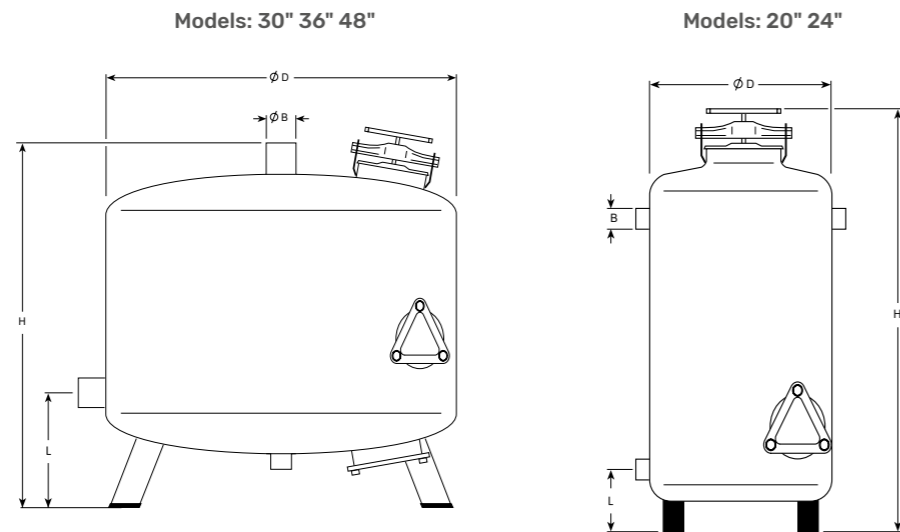
WATERMIL series gravel filters are intended for filtration of water from rivers, lakes, pools and water resources containing organic materials. They are distinguished by speed of operation and maximum filtration efficiency. The simple design makes the WATERMIL gravel filters user-friendly.



Available models and recommended flow rate:

Model	Inlet diameter	Body diameter		Height		Lenght		Recommended flow rate	
		mm	cale	mm	cale	mm	cale	m³/h	l/s
1020	2"	500	20	1200	47.2	360	14.2	10 - 15	2.8 - 4.2
1520	2½"	500	20	1200	47.2	360	14.2	15 - 20	4.2 - 5.6
1024	3"	600	24	1170	46.1	360	14.2	20 - 30	5.6 - 8.3
1030	3"	750	30	1170	46.1	360	14.2	30 - 42	8.3 - 11.6
1036	3"	900	36	1170	46.1	360	14.2	42 - 60	11.6 - 16.7
1536	4"	900	36	1170	46.1	360	14.2	60 - 75	16.7 - 20.8
1048	4"	1200	48	1170	46.1	360	14.2	80 - 100	22.2 - 27.8

Dimensions



Required amount of sand/basalt

Model (inlet/body)	Model (inlet/body)	Weight
(inches)	(mm)	(kg)
2/16	50/400	75
2/20	50/500	100
3/20	80/500	100
2/24	50/600	150
3/24	80/600	150
3/30	80/750	225
3/36	80/900	275
4/48	1000/1200	500
4/60	1000/1500	1000

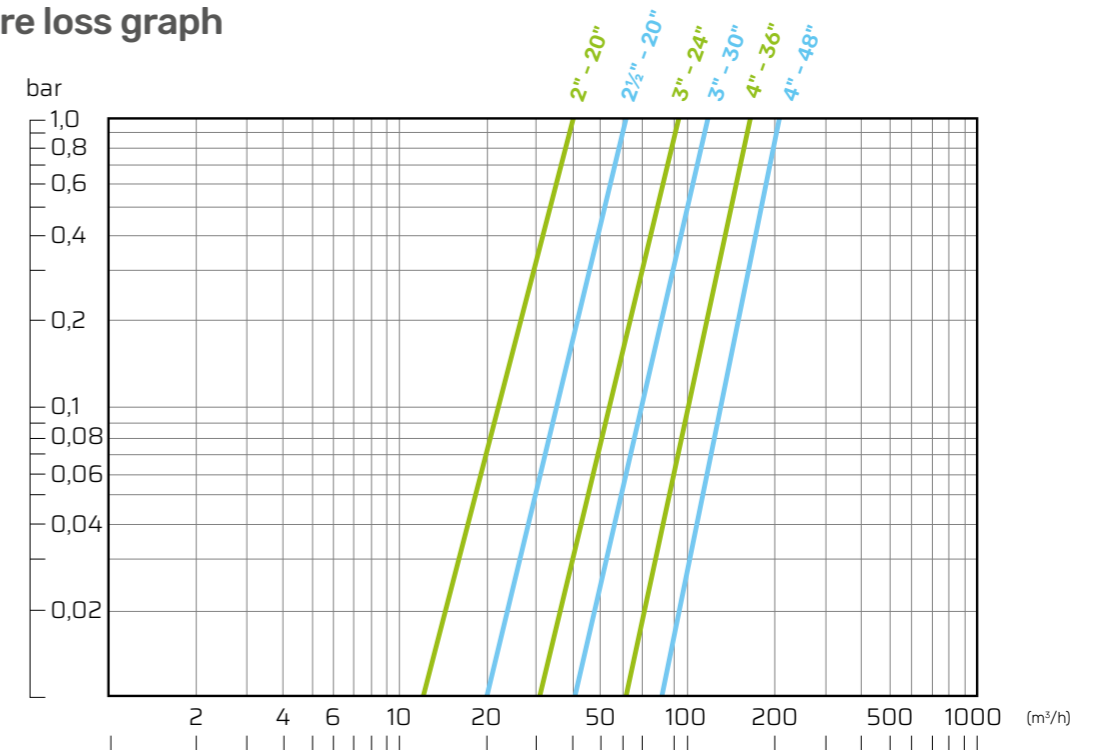
Pressure loss chart (bar) – body from 16" to 24"

Model	Flow (m³/h)												
(inlet/Body)	5	10	15	20	25	30	35	40	45	50	55	60	70
(cale)	Pressure loss (bar)												
2/16	0.04	0.16	0.36	0.64	1.00	1.44							
2/20		0.10	0.22	0.39	0.61	0.88	1.20						
3/20		0.06	0.13	0.24	0.37	0.54	0.73	0.95	1.20	1.49			
2/24		0.04	0.09	0.15	0.24	0.35	0.47	0.62	0.78	0.96	1.16		
3/24				0.09	0.14	0.19	0.26	0.35	0.44	0.54	0.65	0.78	1.06

Pressure loss chart (bar) – body from 30" to 60"

Model	Flow (m³/h)														
(inlet/Body)	20	30	40	50	60	70	80	90	100	110	130	150	180	200	220
(cale)	Pressure loss (bar)														
3/30	0.06	0.14	0.26	0.40	0.58	0.79	1.03								
3/36		0.07	0.13	0.20	0.28	0.38	0.50	0.63	0.78	0.95					
4/48				0.06	0.08	0.11	0.15	0.19	0.23	0.28	0.39	0.53	0.76	0.93	1.13
4/60					0.05	0.06	0.08	0.10	0.13	0.15	0.21	0.28	0.41	0.50	0.61

Pressure loss graph





WATERMIL gravel filters

Product description

The speed of filtration is an undoubted advantage of gravel filters designed to purify water from rivers, lakes, pools and water resources containing organic materials such as lichen and algae. WATERMIL gravel filters, due to their **simple design**, offer users **easy operation, maximum efficiency and reduced maintenance requirements**.

WATERMIL gravel filters consist of two chambers. **The upper chamber** is a tank with media ensuring the effectiveness of the purification process. Depending on the need for the degree of filtration, different materials are used in this tank.

These can be: sand gravel, quartz sand, anthracite coal, ground basalt, silica sand. **The lower chamber** is a tank with clean water obtained in the filtration process. The chambers are separated by a metal jacket in which mushroom-type elements are mounted, ensuring even pressure and high efficiency during the rinsing process. WATERMIL gravel filters are designed to operate as single, modular or fully automated cleaning systems, depending on the flow rate of the filtered water.

In order to increase the filtration efficiency, it is recommended to choose the modular version with automatic rinsing.



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