

OSMO TITAN Series Pretreatment

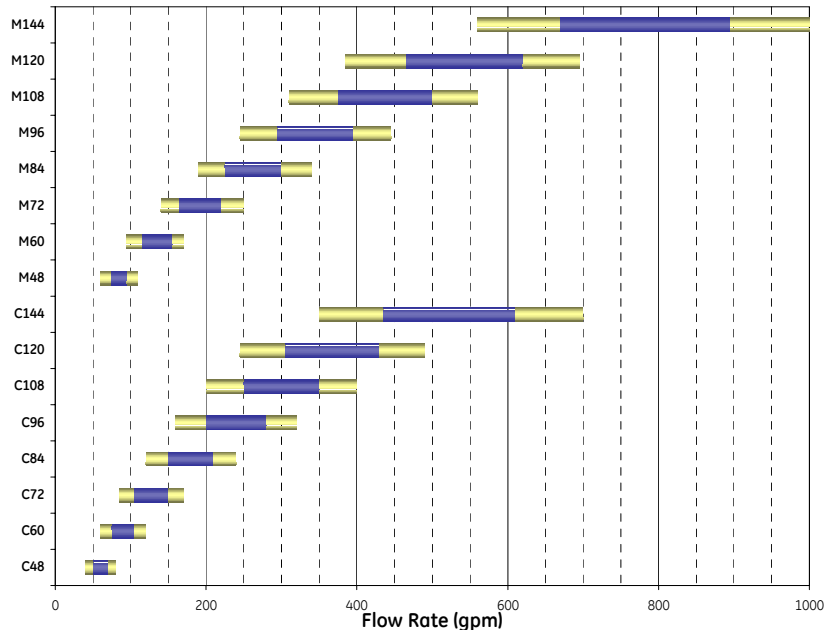
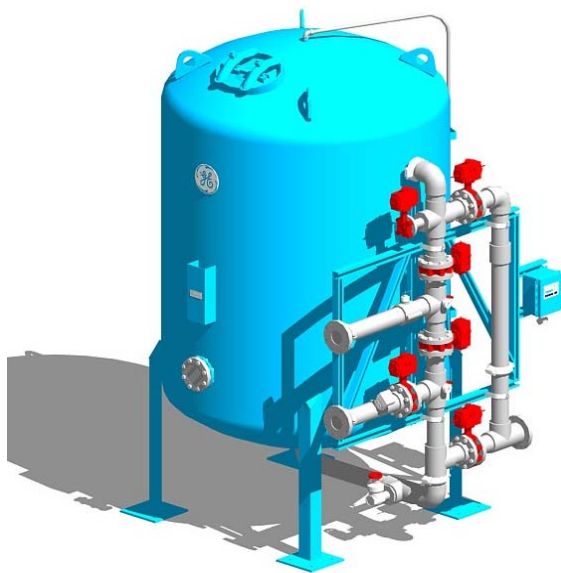
Activated Carbon and Multi-Media Filters

OSMO TITAN Series pretreatment is designed for durable operation, easy installation and straightforward control. OSMO TITAN is ideal for your industrial filtration needs with epoxy-lined carbon steel vessels, robust materials of construction, and various configuration options to suit your specific application needs. The units are also the perfect compliment to the OSMO TITAN Series line of reverse osmosis systems. Visit www.gewater.com for more information.

General Features

- Epoxy-lined carbon steel tanks, designed to ASME code at 100 psig (code stamp optional)
- Resilient seated butterfly service valves with stainless steel disc and stem; air actuated / spring-to-close
- Stainless steel face-piping
- 4-inch media clean out port on side of tank
- Sight glass on backwash line
- NEMA 4 remote I/O enclosure for external control
- Instrumentation: Service/backwash DP flow transmitter, pre- / post- filter pressure gauges
- Air scour option available

Figure 1. OSMO TITAN Series Flow Range



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Table 1. Multi Media Specifications

Model	Connections (inches)	Tank (inches)	Overall Height (inches)	Flow** (gpm)			Media Volume (cubic feet)					
				Min	Max	BkWsh*	Anthracite	Silica Sand	Garnet	Fine Gravel	Med Gravel	Coarse Gravel
M48	3	48x72	122	60	110	180	18	12	6	2	2	Top of Under Drain
M60	3	60x72	125	95	170	285	28	19	9	3	3	
M72	4	72x72	130	140	250	415	41	27	14	5	5	
M84	4	84x72	134	190	340	565	56	38	19	7	7	
M96	6	96x72	144	245	445	740	74	49	25	8	8	
M108	6	108x72	149	310	560	940	94	62	31	10	10	
M120	6	120x72	154	385	695	1160	116	77	39	13	13	
M144	8	144x72	161	560	1000	1675	167	112	56	19	19	

* Backwash flow rates are for 15 gpm/ft² loading at 60°F. Flow rate will increase with increase in water temperature.

** Flow rates shown are for MMF systems with no coagulant addition/air scour. Flow rates with coagulant addition must be reduced to 3-5 gpm/ft².

Table 2. Activated Carbon Filter Specifications

Model	Connections (inches)	Tank (inches)	Overall Height (inches)	Flow** (gpm)			Media Volume (cubic feet)	
				Min	Max	BkWsh*	Activated Carbon	Coarse Gravel
C48	3	48x72	122	40	80	165	40	Top of Under Drain
C60	3	60x72	125	60	120	255	60	
C72	4	72x72	130	85	170	370	85	
C84	4	84x72	134	120	240	510	120	
C96	6	96x72	144	160	320	665	160	
C108	6	108x72	149	200	400	845	200	
C120	6	120x72	154	245	490	1045	245	
C144	8	144x72	161	350	700	1505	350	

* Backwash flow rates are for 13.5 gpm/ft² loading at 60°F for 40% bed expansion. Flow rate will increase with increase in water temperature.

** Based on Chlorine removal only. For TOC removal, the max flow should be reduced by half.

Table 3. Part Numbers (Media Sold Separately)

Model	Solenoid / SS
C/M48	3023931
C/M60	3023932
C/M72	3023934
C/M84	3023935
C/M96	3023936
C/M108	3023938
C/M120	3023939
C/M144	3023940