

PRO Series Pretreatment

activated carbon and multi-media filters

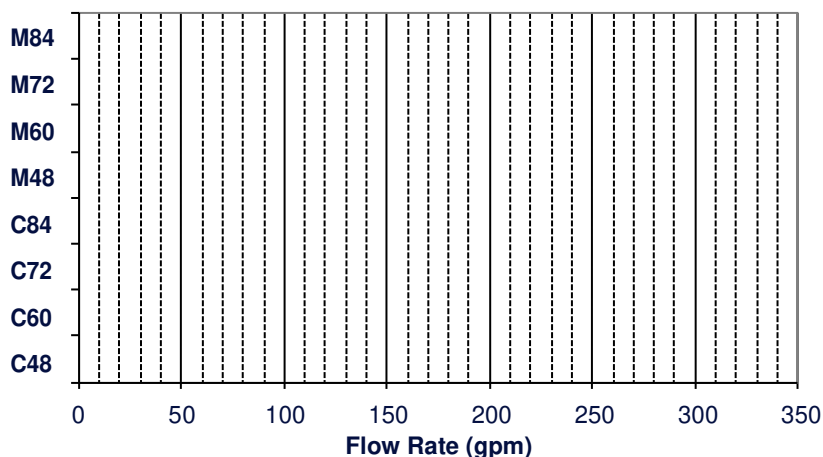
PRO Series pretreatment is designed for durable operation, easy installation and straight-forward control. PRO is ideal for your industrial filtration needs with epoxy-lined carbon steel vessels, robust materials of construction, and various configuration options to suit your specific application needs. The units are also the perfect compliment to the PRO Series line of reverse osmosis systems.



general features

- Epoxy-lined carbon steel tanks, ASME code stamp at 100 psig
- Resilient seated butterfly service valves with nylon coated steel disc and stem; air actuated / spring-to-close
- Schedule 80 PVC face-piping
- 4-inch media clean out port on side of tank
- Sight glass on backwash line
- AquaMatic® 962 stager for backwash sequence control. Optional solenoid valve enclosure for remote control.
- AquaMatic controller includes communication switch for downstream equipment
- Manual or time-initiated automatic backwash
- Instrumentation: Service/backwash paddlewheel flow sensor, pre- / post- filter pressure gauges

Figure 1. PRO Series Flow Range



Model	Connections (inches)	Tank (inches)	Overall Height (inches)	Min	Flow** (gpm) Max	BkWsh*	Anthracite	Silica Sand	Media Volume (cubic feet)			
									Garnet	Fine Gravel	Med Gravel	Coarse Gravel
M48	3	48x72	122	40	110	185	18	12	6	2	2	Top of Under Drain
M60	4	60x72	125	60	175	290	28	19	9	3	3	
M72	4	72x72	130	85	250	400	41	27	14	5	5	
M84	6	84x72	134	135	340	570	56	38	19	7	7	

* 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)	Min	Flow** (gpm) Max	BkWsh*	Media Volume (cubic feet)	
							Activated Carbon	Coarse Gravel
C48	3	48x72	122	40	80	185	40	Top of Under Drain
C60	4	60x72	125	60	120	290	60	
C72	4	72x72	130	85	170	420	85	
C84	6	84x72	134	120	240	570	120	

* 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	Stager / PVC
C/M48	3023927
C/M60	3023928
C/M72	3023929
C/M84	3023930

(855) 787-4200



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