

### Electropolished Stainless Steel, Accepts Seven 10" (25.4 cm), 20" (50.8 cm), 30" (76.2 cm), or 40" (102 cm) Cartridges

- Electropolished 316L Stainless Steel Materials of Construction for Maximum Corrosion Resistance
- Liquid Flow Rates to 100 gpm (379 lpm) Max.
- Operating Pressures to 150 psig (10.3 bar) @ 200°F (93°C)
- Optional ANSI Raised Face 2" Flange Connections
- Universal Seat Cup Accepts DOE or #222 SOE Cartridges
- V-Band Clamp Closure Permits Quick, Easy Cartridge Change Outs
- Final DI Water Rinse
- Available with 2" Tri-Clover<sup>1</sup> Sanitary Flange

#### **Housing Specifications**

# Maximum Operating Pressure:

150 psig (10.3 bar) @ 200°F (93°C)

<u>NOTE</u>: Maximum operating pressure ratings are vessel ratings only. Safe operating temperature and pressure will depend on filter cartridge and gasket/O-ring used. For cyclical service please consult your Pall representative.

#### **Construction:**

Head & Shell:	316L Stainless Steel
Vent Plug:	316L Stainless Steel
Drain Cap:	316L Stainless Steel
Seat Cups:	316L Stainless Steel

# **Connections:**

Shell O-rings:	Ethylene Propylene (standard), Fluorocarbon Elastomer,
Drain: Drain/Vent:	¾" Male NPT ¼" NPT Coupling
Inlet/Outlet:	2" Male NPT or Tri-Clover Fitting (pipe size)

Silicone Elastomer

# Flange Option:

150 lb. ANSI raised flanges available

<sup>1</sup> - Registered trademark of Tri-Clover, Inc.

# MEGA<sup>+</sup> 7 Series Filter Housings



#### **Dimensional Data (nominal)**

Model	Liquid <sup>2</sup>	Dimensions - inches (cm)					Maximum	Weight -	Minimum
	Flow Rates - gpm (lpm)	Α	В	С	D	Е	- Cartridge Diameter - inches (cm)	pounds (kg)	Clearance - inches (cm)
7MEGA+1-2	to 60	25	11 ½	5 ½	12	12 ½ ±¼	2 <sup>3</sup> ⁄ <sub>4</sub>	41	31
	(227)	(63.5)	(29.2)	(14)	(30.3)	(32.7±0.64)	(7)	(18.6)	(78.7)
14MEGA+2-2	to 100	33 ½	11 ½	5 ½	12	12 <sup>1</sup> / <sub>8</sub> ± <sup>1</sup> / <sub>4</sub>	- <u>2 ¾</u>	46	48 ½
	(379)	(85.1)	(29.2)	(14)	(30.3)	(32.7±0.64)	(7)	(20.9)	(123.2)
21MEGA+3-2	to 100 (379)	44 (112)	11 ½ (29.2)	5 ½ (14)	12 (30.3)	$\frac{12 \frac{1}{2} \pm \frac{1}{4}}{(32.7 \pm 0.64)}$	$\frac{2\sqrt{3/4}}{(7)}$	52 (23.6)	72 (183)
28MEGA+4-2	to 100	54 ½	11 ½	5 ½	12	12 ½ ±¼	- <u>2</u> <sup>3</sup> / <sub>4</sub>	58	89 ½
	(379)	(138.4)	(29.2)	(14)	(30.3)	(32.7±0.64)	(7)	(26.3)	(227)

<sup>2</sup> - Dependent upon cartridge selection, fluid viscosity, and allowable pressure drop. See graph below for housing pressure drop at various flow rates. Refer to cartridge nomograph to determine initial pressure drop due to the filter cartridge. The 28MEGA<sup>+</sup> may be used to provide longer cartridge life and lower initial pressure drop. A flow rate in excess of 100 gpm (379 lpm) is not recommended with 2" connections. Consult factory for higher flow rates.

Outlet

**TOP VIEW** 

(4) Holes: <sup>5</sup>/16" (0.8 cm) diameter on 11 <sup>1</sup>/8" (28.3 cm) B.C.D., 90° apart

3 - Side view shows sealing arrangement

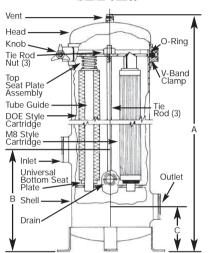
(M8 shown) on right (MEGA+ model).

for DOE<sup>4</sup> style cartridges on left (MEGA<sup>+</sup>-IP) and M3 (Code 3) or

M8 (Code 8) style cartridges

Inlet

#### **SIDE VIEW<sup>3</sup>**

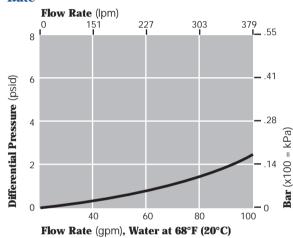


#### **Part Numbers/Ordering Information**

■ MEGA<sup>+</sup> ● – 2 ▼ (e.g., 14MEGA<sup>+</sup>2–2F)

Code	No. of 10" Equivalents	Code	No. of 10" Equivalents Per Column
7	7		Per Column
14	14	1	1
21	21	2	2
28	28	3	3
		4	4

#### Housing Differential Pressure vs. Liquid Flow Rate



For liquids other than water, multiply differential pressure by specific gravity.

Code	Connection Styles
Blank	NPT
F	Flange

<sup>4</sup> - When using double open end style filter cartridges, tube guides and springs are required. Contact your Pall Distributor for part numbers.

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