

## TKO 700 Series Filter Housings

### Versatile, Multi-Cartridge Housings

- 150 PSIG (10.3 BAR) Maximum Operating Pressure Permits Use in a Wide Range of Applications
- Accepts Pall M3 (Code 3), M8 (Code 8) or DOE Style Filter Cartridges
- Accepts Seven - 10" (25.4 cm), 20" (50.8 cm), 30" (76.2 cm) or 40" (102 cm) Cartridges for an Optimum Choice for a Given Flow Rate
- 7-Around Design Combines Longer Cartridge Life with Lower Pressure Drop
- Heavy Duty V-Clamp Closure Allows Quick, Easy Cartridge Change Out
- 304 or 316L Stainless Steel Materials of Construction for Maximum Corrosion Resistance in a Non-Code Housing
- Available with 2" TRI-CLOVER<sup>1</sup> Sanitary Flange

### Housing Specifications

#### Maximum Operating Pressure:

150 psig (10.3 bar) @ 200°F (93°C) in liquid service

*NOTE: Maximum operating pressure ratings are vessel ratings only. Safe operating temperature and pressure will depend on filter cartridge and gasket/O-ring used. For inquiries on compatibility, contact the factory or your Pall distributor.*

Construction:	A	SL
Head:	316L Stainless Steel	316L Stainless Steel
Shell:	304 Stainless Steel	316L Stainless Steel
Vent Plug:	304 Stainless Steel	316 Stainless Steel
Drain Cap:	304 Stainless Steel	316 Stainless Steel
Bottom Seat Plates:	316L Stainless Steel	316L Stainless Steel

#### Connections:

Inlet/Outlet:	2" NPT
Vent:	1/4" NPT
Drain:	3/4" NPT

**Shell O-rings:** Ethylene Propylene (standard), Viton<sup>2</sup> A, Buna N, Silicone Elastomer

#### Connection Option:

Available with 150 lb. ANSI raised face threaded flanges or Tri-Clover sanitary flanges.

**WARNING:** Not for use with compressed gases.



#### Internal Components:

316 stainless steel top seat plate assemblies and tube guides are standard with internal parts option. ACCU-SEAL™ and UNI-SEAL™ sealing mechanisms are optional.

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

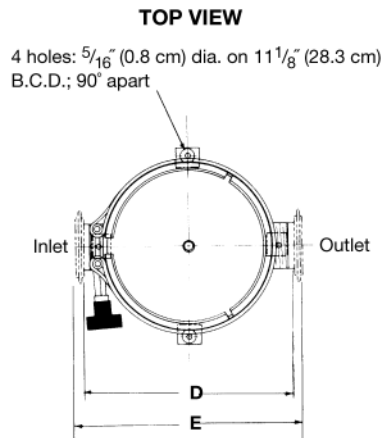
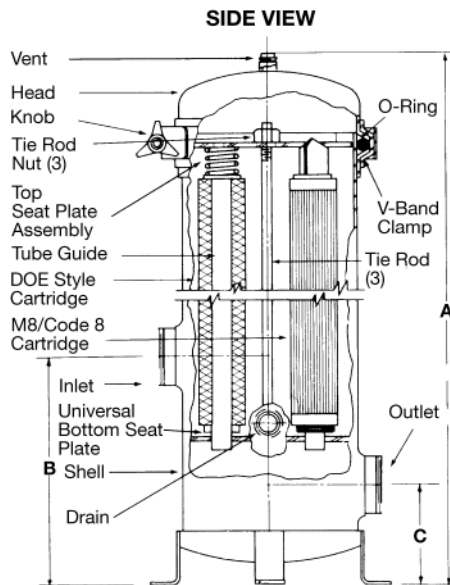
<sup>2</sup> Registered trademark of DuPont Dow.

## Dimensional Data (nominal)

Model	Liquid <sup>4</sup> Flow Rates (gpm)	Dimensions (inches)					Maximum Cartridge Diameter (inches)	Weight (pounds)	Overhead <sup>5</sup> Clearance Required For Cartridge Removal (inches)
		A	B	C	D	E			
7TKO1-2	to 35 (132 lpm)	25 (63.5 cm)	11 1/2 (29.2 cm)	5 1/2 (14 cm)	12 (30.5 cm)	12 7/8 (32.7 cm)	2 3/4 (7 cm)	29 (13.2 kg)	31 (78.7 cm)
14TKO2-2	to 70 (265 lpm)	33 1/2 (85.1 cm)	11 1/2 (29.2 cm)	5 1/2 (14 cm)	12 (30.5 cm)	12 7/8 (32.7 cm)	2 3/4 (7 cm)	34 (15.4 kg)	48 1/2 (123 cm)
21TKO3-2	to 100 (379 lpm)	44 (112 cm)	11 1/2 (29.2 cm)	5 1/2 (14 cm)	12 (30.5 cm)	12 7/8 (32.7 cm)	2 3/4 (7 cm)	40 (18.1 kg)	72 (183 cm)
28TKO4-2	to 100 (379 lpm)	54 1/2 (138.4 cm)	11 1/2 (29.2 cm)	5 1/2 (14 cm)	12 (30.5 cm)	12 7/8 (32.7 cm)	2 3/4 (7 cm)	46 (21 kg)	89 1/2 (227.3 cm)

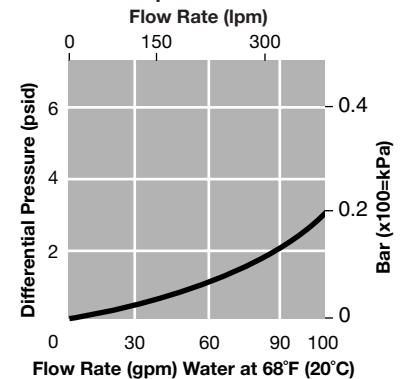
<sup>4</sup> Flow rates are listed for depth cartridges. Consult factory for flow rates above 100 gpm (379 lpm).

<sup>5</sup> Ten-inch (25.4 cm) cartridges may be used instead of 20" (50.8 cm), 30" (76.2 cm), or 40" (102 cm) cartridges in 2, 3, or 4-deck TKO-IP housing, which will reduce this height. When using 10-inch cartridges in multi-deck housings, cartridge spacers are required. For 316 stainless steel spacers, specify Part #T10583032.



Note: Side view shows sealing arrangement for DOE style cartridges on left (TKO-IP model) and M3 (Code 3) or M8 (Code 8) style cartridges (M8 shown) on right (TKO model)

### Housing Differential Pressure vs. Liquid Flow Rate



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

## Part Numbers/Ordering Information

■ TKO ● ▶ - 2 ▼ - (e.g. 14TKO2A-2F-IP)

Code	No. of 10" Equivalents
7	7
14	14
21	21
28	28

Code	No. of 10" Equivalents per Column
1	1
2	2
3	3
4	4

Code	Materials of Construction
A	304 Stainless Steel
SL	316L Stainless Steel

Code	Connection Styles
Blank	NPT
F	Flange
TC	Tri-Clover

Code	Internal Parts <sup>6</sup>
Blank	No Internal Parts
IP	Internal Parts

<sup>6</sup> Standard vessels include internal parts of top seat plates and tube guides. Basic vessels without internal parts may be ordered as non-stock items.



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