

## Marksman™ Series Filter Housings

### For Use With Marksman Series Filter Elements

- One-, four-, seven-, and nine-around models
- Other sizes are available upon request
- ASME U and UM stamps are available for all sizes
- Housings are constructed of 316L stainless steel for corrosion resistance
- Baskets included
- Swing bolt closure design ensures secure sealing and easy change-out
- Adjustable length legs with side inlet and bottom outlet on single element housings
- Side in/side out flow design on multi-around housing allows for easy piping layout

### Housing Specifications

#### Maximum operating pressure

Stainless steel: 10.3 bar @ 93°C (150 psig @ 200°F)

NOTE: Maximum operating pressure and temperature ratings in liquids are vessel ratings only (including vessel shell O-rings). Safe operating temperature and pressure will depend on the filter cartridge and filter gasket used. For inquiries on compatibility, contact the factory or your Pall distributor.

#### Construction

Non-code: Available for all sizes  
Code: ASME U or UM stamp available for all sizes

#### Connections

Inlet/Outlet: 2" – 8" flange  
Option: 2" NPT for 1-around, Size #1 model  
Drain<sup>1</sup>: 1 ½" NPT  
Vent: 1" NPT (¼" NPT on single housing)  
Gauge<sup>1</sup>: ¼" NPT (upstream/downstream)

**Shell O-rings** Nitrile (standard), silicone elastomer, neoprene, ethylene propylene, fluorocarbon elastomer

<sup>1</sup> Applies to multi-around housing only.



### Filter Element Specifications

Marksman housings are designed to accept the entire family of Marksman filter elements, including Marksman DFN filters, Marksman NXA filters, Marksman PFT filters, and Marksman XLD filters. Size 1, Size 2, and 101.6 cm (40 in) cartridges are available with Pall's proprietary sliding flange. Refer to individual data sheets for detailed information on Marksman series filter elements.

## Dimensional Data (nominal)<sup>2</sup>

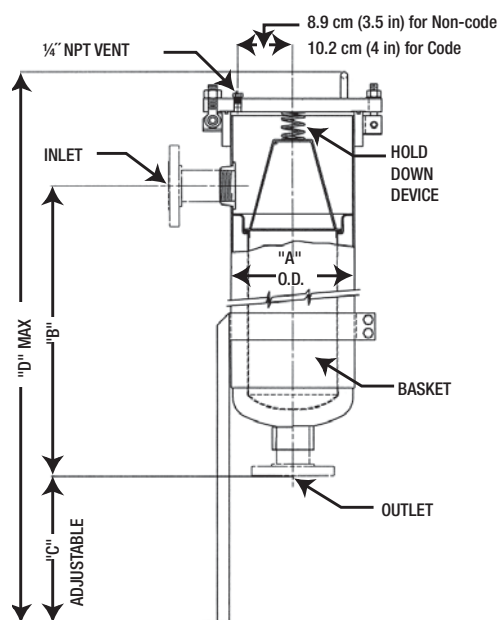
Model	Number of cartridges	Size (nominal)	Code	Liquid flow rate <sup>3</sup> lpm (gpm)	Dimensions cm (in)							Inlet/outlet	Dry weight kg (lbs) <sup>4</sup>
					A	B	C	D (height)	E	F	G		
1MAR1	1	1	N	227 (60)	21.6 (8.5)	54.6 (21.5)	31.8 (12.5)	109 (43)	25.4 (10)	N/A	30.2 (11.875)	5.1 (2)	35 (77)
1MAR2	1	2	N	454 (120)	21.6 (8.5)	89 (35)	31.8 (12.5)	145 (57)	25.4 (10)	N/A	30.2 (11.875)	7.6 (3)	50 (110)
1MAR1	1	1	Y	227 (60)	21.6 (8.5)	54.6 (21.5)	28 (11)	109 (43)	25.4 (10)	N/A	30.2 (11.875)	5.1 (2)	55.8 (123)
1MAR2	1	2	Y	454 (120)	21.6 (8.5)	89 (35)	28 (11)	145 (57)	25.4 (10)	N/A	30.2 (11.875)	7.6 (3)	62.6 (138)
4MAR2	4	2	Y	1817 (480)	50.8 (20)	63.5 (25)	50.8 (20)	200 (79)	40.6 (16)	81.3 (32)	51.4 (20.25)	15.2 (6)	258.5 (570)
7MAR2	7	2	Y	3179 (840)	61 (24)	63.5 (25)	50.8 (20)	200 (79)	45.7 (18)	91.4 (36)	61.6 (24.25)	15.2 (6)	335.6 (740)
9MAR2	9	2	Y	4088 (1080)	76.2 (30)	53.3 (21)	61 (24)	213 (84)	53.3 (21)	107 (42)	78.4 (30.875)	15.2 (6)	553.3 (1220)

<sup>2</sup> 102 cm (40 in) housing specifications are available upon request.

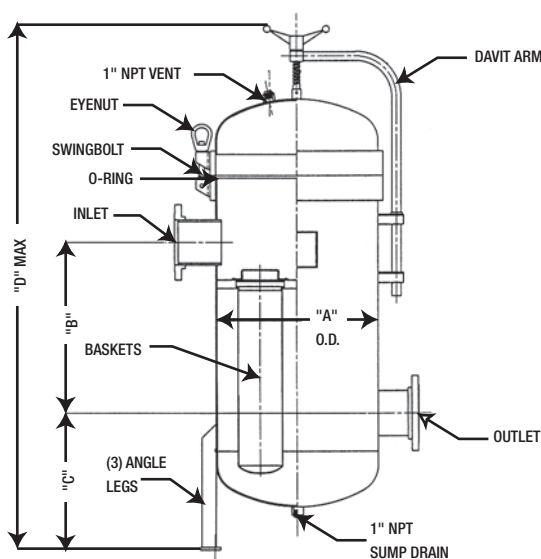
<sup>4</sup> Weights listed are for vessels with flange connections.

<sup>3</sup> Flow rates listed are for depth cartridges. Consult Pall for more specific information.

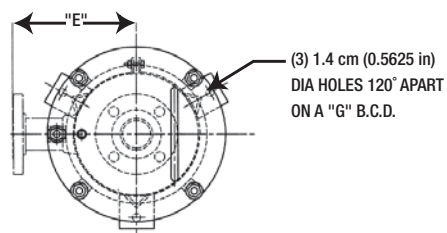
### Side View (1-Around Housing)



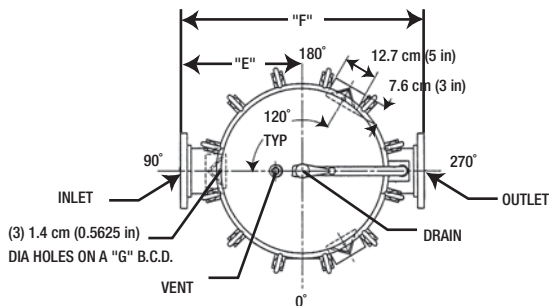
### Side View (Multi-Around Housing)



### Top View (1-Around Housing)



### Top View (Multi-Around Housing)



## Ordering Information

Pall Part Number = 1 MAR 2 - 316L - 3 4 - 5 150 6

**Table 1**

Code	No. of Marksman elements
1	1
4	4
7	7
9	9

**Table 2**

Code	Cartridge lengths nominal
1	Size 1 bag
2	Size 2 bag
4	101.6 cm (40 in)

**Table 3**

Code	Inlet/outlet connection sizes
2	2"
3	3"
6	6"
8	8"

**Table 4**

Code	Connection styles
Blank	NPT
F	Flange

**Table 5**

Code	Code construction
C	Code construction
Blank	Non-code construction

**Table 6**

Code	ASME stamp designation
UM	UM stamp
U	U stamp



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