

FEATURES

The W012 spin-on filter provides an economical solution for use on mobile equipment and industrial power units. Our versatile head provides for use with a wide selection of gauges and switches.

Western Filter's spin-ons fit many competitor heads and are available in short and long lengths.

Technical Data:

Maximum Working Pressure	150 psi (10.3 bar)	
Rated Burst Pressure	300 psi max (20.7 bar)	
Temperature Range	Operating -45°F to + 225°F (-43°C to + 107°C)	
Head Material	Die cast aluminum	
Canister Material	Steel	
Seal Material	Buna N	
Weight		
Assembly		
Length 1	1.8 lbs.	(0,82 kg.)
Length 2	2.3 lbs.	(1,04 kg.)
Canister		
Length 1	1.0 lbs.	(,45 kg.)
Length 2	1.5 lbs.	(,68 kg.)

W012

40 gpm (151.4 l/min)

Both NPT and SAE
threads available

Two canister length
options for design
flexibility

Canister
interchangeable
with other heads

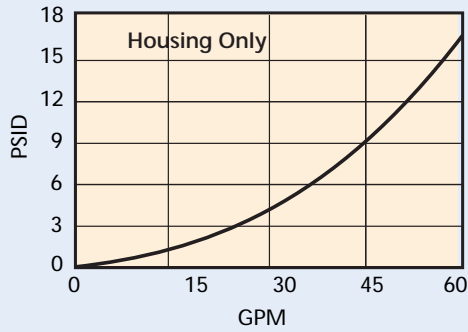
In-line mounting
for easy servicing



Housing and Filter Element

Flow versus Pressure Drop

150 SUS (32 cSt.) oil with specific gravity ≤ 0.9

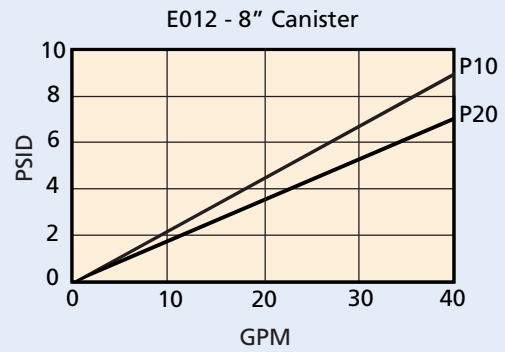
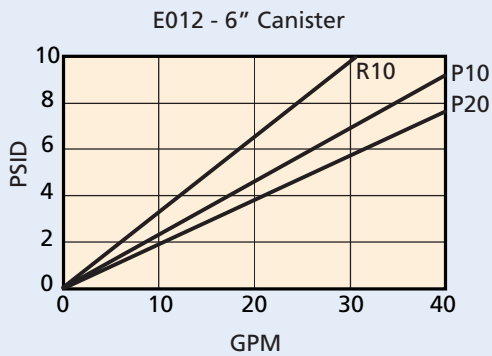


Viscosity Correction Formula

$$\Delta P \text{ Element} = \text{psid from catalog} \times \frac{\text{New Viscosity (SUS)}}{150} \times \frac{\text{New Specific Gravity}}{0.90}$$

$$\Delta P \text{ Housing} = \text{psid from catalog} \times \frac{\text{New Specific Gravity}}{0.90}$$

$$\Delta P \text{ Assembly} = \Delta P \text{ Element} + \Delta P \text{ Housing}$$



LOW PRESSURE
SPIN-ON FILTERS

MEDIUM PRESSURE
SPIN-ON FILTERS

IN-TANK FILTERS

LOW PRESSURE FILTERS

MEDIUM PRESSURE FILTERS

HIGH PRESSURE FILTERS

Filter Assembly	W012 TABLE 1	1 TABLE 2	A TABLE 3	3 TABLE 4	4 TABLE 5	B TABLE 6	1 TABLE 7	P TABLE 8	10 TABLE 9
Service Element	E012 TABLE 1	1 TABLE 2	B TABLE 6	1 TABLE 7	P TABLE 8	10 TABLE 9			


 Order model code
W0121134B1P10
for same day shipment.

Table 1

Filter Assembly / Service Element	
CODE	DESCRIPTION
W012	Assembly
E012	Element

Table 2

Element Collapse Options	
CODE	DESCRIPTION
1	150 psid

Table 3

Port Size Options	
CODE	PORT SIZE
A	1-1/16" - 12 UN (SAE-12)
I	3/4" NPT

Table 4

Bypass Setting Options	
CODE	BYPASS SETTING
1	Non-bypass (blocked)*
3	25 psid

*80 psid maximum operating pressure

Table 5

Upstream Pressure Gauge and Switch Option	
CODE	INDICATOR STYLE & SETTING
1	Gauge ports drilled, tapped and plugged
4	0-60 psi pressure gauge
6	Pressure switch 18 psi Brad Harrison (5-pin)
8	Pressure switch 18 psi Hirschmann (4-pin)

Table 6

Seal Options	
CODE	MATERIAL
B	Buna N

Table 7

Assembly & Element Length	
CODE (LGTH)	CANISTER LENGTH
1 (6.75")	6.0"
2 (9.10")	8.0"

Table 8

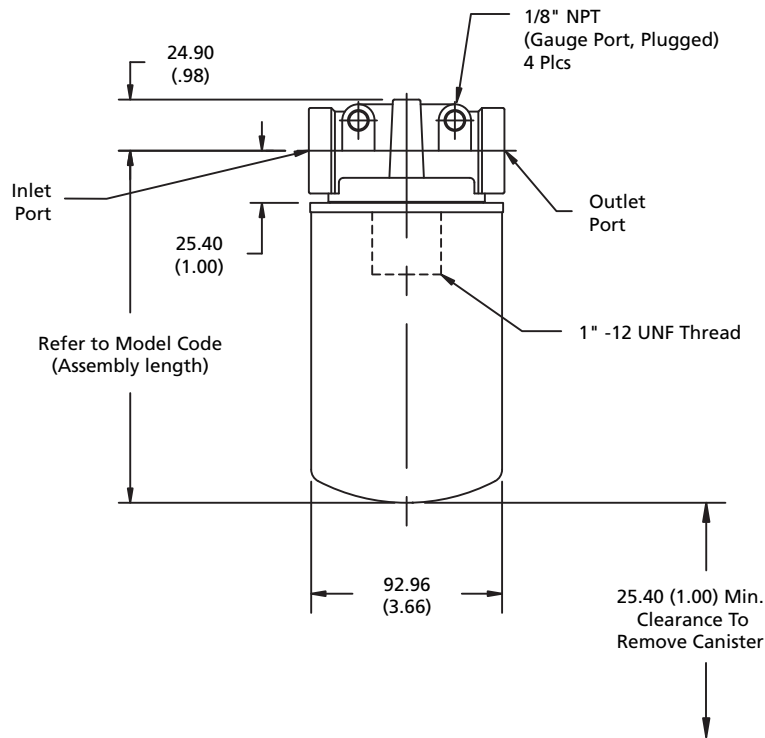
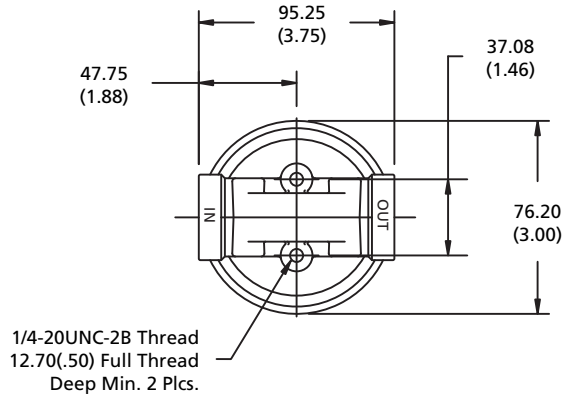
Element Code	
CODE	DESCRIPTION
P	(Cellulose) 10, 20
R	(Glass) 10 canister length 1 (6") only

Table 9

Media Rating	
CODE	MEDIA RATING
10	20/18/15 or better
20	22/19/16 or better

Note: Information concerning fluid cleanliness codes is on page 6, the Media Grade Selection Guide.

Dimensions: millimeters/(inches)



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