



2544 Series Filter Assemblies

Description

Featuring Coreless Element Technology

Flows to 120 gpm (454 L/min)

Pressures to 500 psi (34.5 bar)

Port sizes: 1-1/4" and 1-1/2"

Specifications

Maximum Acceptable Working Pressure:

500 psi (34.5 bar)

Bypass Valve:

25 psid (1.724 bar)

Seals:

Nitrile—Compatible with petroleum oils, water-oil emulsions and water-glycol

Temperature Range:

-45 °F to 225 °F (-43 °C to 107 °C)

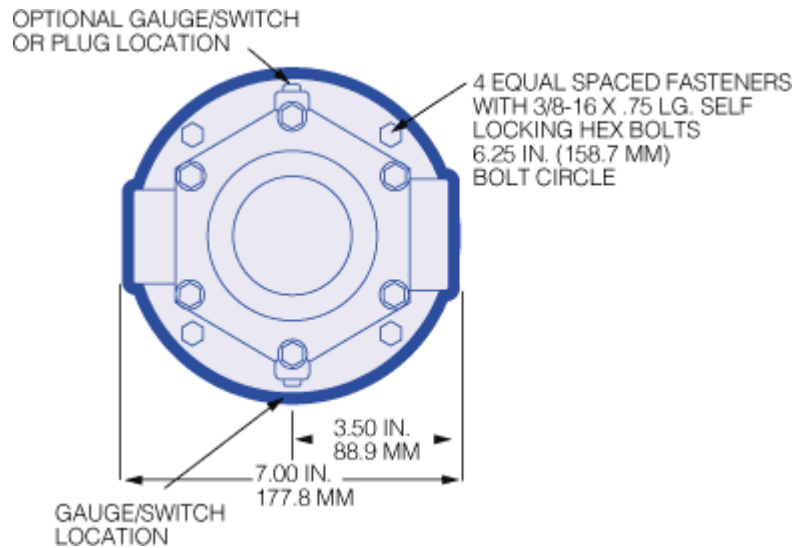
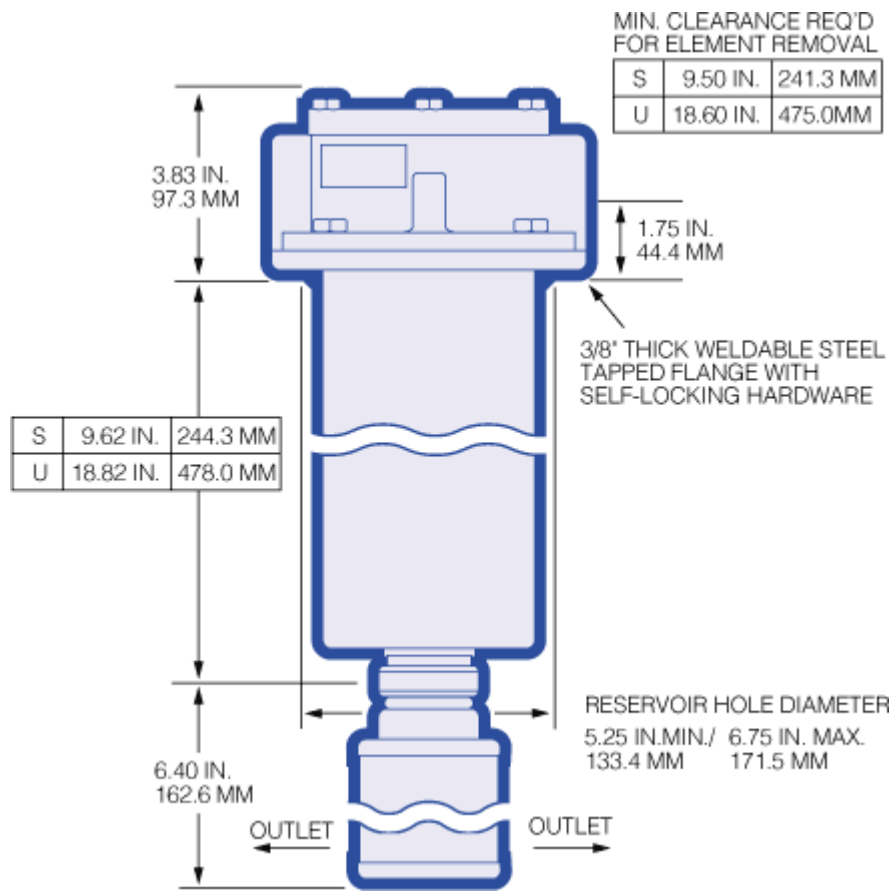
Filter Element Collapse Pressure:

150 psid (10 bar)

Materials:

- Aluminum head and nipple
- Aluminum and steel bypass valve
- Carbon steel canister and core assembly

Dimensional Drawings



Performance

Figure 1. Housing Pressure Drop using fluid with 0.9 S.G.
Housing Pressure drop is directly proportional to specific gravity.

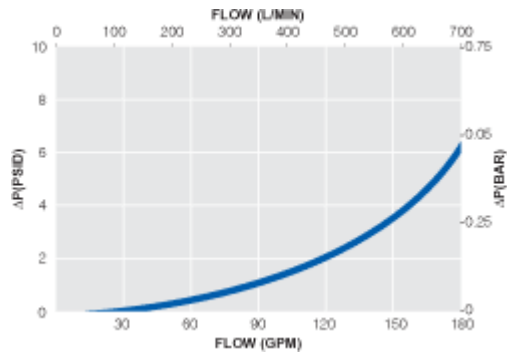
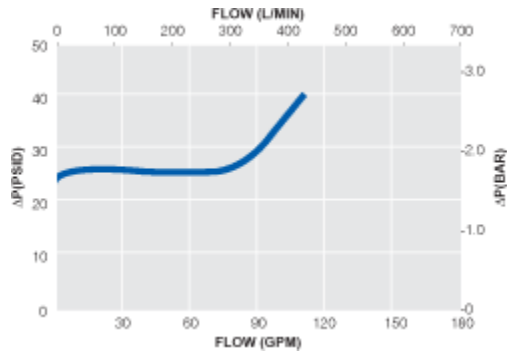


Figure 2. Bypass Valve Pressure Drop using fluid with 0.9 S.G.
 Bypass valve pressure drops are directly proportional to specific gravity.



Element Pressure Drop Factor

Multiply actual flow rate times factor to determine pressure drop with fluid at 150 SUS (32 cSt), 0.9 S.G. Correct for other viscosities by multiplying new viscosity in SUS/150 x new S.G./0.9.

2544 Series Element ΔP factor (psid/gpm)

Length	KP	KN	KS	KT
9"	0.12	0.08	0.06	0.05
19"	0.06	0.04	0.03	0.02

Ordering Information

Assembly P/N: HH 2544 Table1 Table2 Table3 A Table4 Table5 Table6

Element P/N: HC 2544F Table2 H Table3

Note: Choose from the options in the following tables to compile the specific Product Number.

TABLE 1: PORT OPTIONS

Code	Port Option
A20	1-1/4" SAE straight thread O-ring boss per SAE J514H
A24	1-1/2" SAE straight thread O-ring boss per SAE J514H
B20	1-1/4" NPT
B24	1-1/2" NPT

TABLE 2: FILTER ELEMENT OPTIONS

Code	$\beta_x \geq 200$	$\beta_{x(c)}=1000$
KP	3	5
KN	6	7
KS	12	12
KT	25	22

TABLE 3: LENGTH OPTIONS*

Assembly Code	Element Code**
S	9
U	19

* Use code in second column for element part no.
 ** Nominal length in inches.

TABLE 4: INDICATOR OPTIONS

Code	Device
G	Pressure gauge (25 psi), other port plugged (1/8" NPT)
8	Pressure switch (15 psi) N.O. S.P.S.T. screw terminals, other port plugged (1/8" NPT)
2	Pressure gauge (25 psi) and pressure switch (15 psi) N.O. S.P.S.T. screw terminals
B	Port plugs (1/8" NPT)

TABLE 5: SECONDARY PORT OPTIONS

Code	Description
OMIT	No secondary port
20*	1-1/4" port (same port style as primary port)

* Available only with A24 and B24 primary ports.

TABLE 6: OUTLET OPTIONS

Code	Description
OMIT	1-5/8" discharge
D	Diffuser with adapter

Contact Information

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