

7500/7502 Series Spin-On Filters

Coralon® lube and hydraulic oil filters deliver consistent, high level fluid system protection across all applications, regardless of severity. Coralon filters feature $\text{Beta}_{X(C)} > 1000$ filter efficiency, low pressure drop and long service life.

Features

- Flows to 325 lpm (90 US gpm) – 7500
- Flows to 565 lpm (150 US gpm) – 7502
- Pressures to 14 bar (200 psi)
- Port size: 1½" (7500) and 2" (7502)

Notes and Specifications

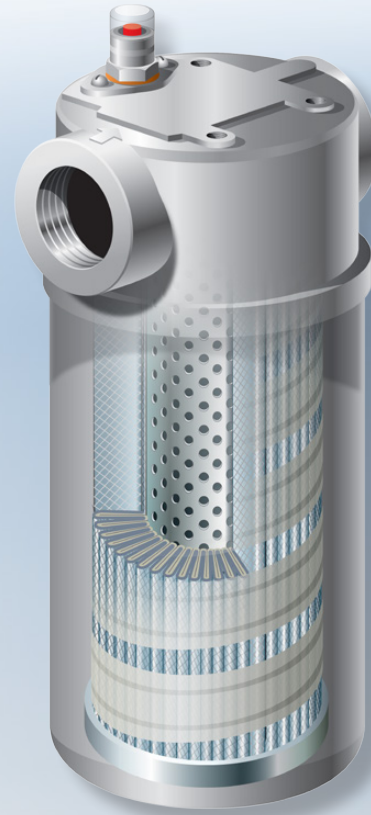
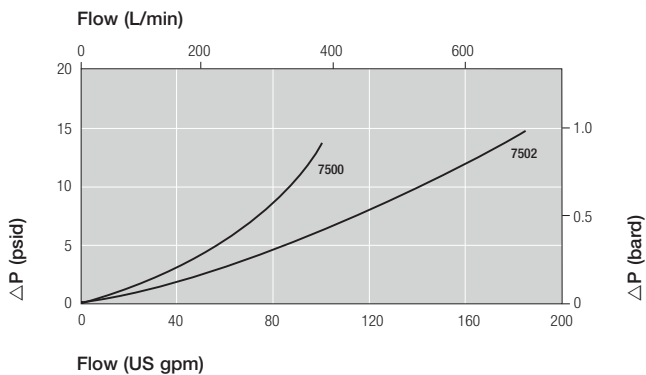
Filter Housing

- **Fatigue Pressure Rating**
14 bar (200 psi) (100,000 cycles 0-200 psi)
- **Typical Burst Pressure:**
20 bar (290 psi)
- **Filter Element Collapse Pressure:**
7 bar (100 psid)
- **Fluid Compatibility:**
Compatible with all petroleum oils and most water glycols, water-oil emulsions, and synthetic hydraulic and lubricating fluids
- **Temperature Range:**
-29 °C to 107 °C (-20 °F to 225 °F)
60 °C (140 °F) maximum in HWCF or water glycols
- **Bypass Valve Setting:**
1.7 bar (25 psid)
3.4 bar (50 psid)
Non-bypass
- **Indicator Pressure Setting:**
1.1 bar (16 psid) with 'A' valve option
2.4 bar (35 psid) with 'B' and 'W' valve option
- **Housing Materials of Construction:**
Cast iron head

Pressure Drop Information

Housing pressure drop using fluid with 0.9 S.G.

Housing pressure drop is directly proportional to specific gravity.



7500 Series
Filter Housing
and Spin-On
Cannister

Element Pressure Drop

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

7500 Series Element DP Factors (psid/gpm)

Length	CZ	CP	CN	CS	CT
4"	NA	0.21	0.18	0.14	0.10
8"	0.23	0.11	0.10	0.07	0.05

7502 Series Element DP Factors (psid/gpm)

Length	CZ	CP	CN	CS	CT
4"	NA	0.10	0.09	0.07	0.05
8"	0.12	0.05	0.05	0.04	0.03

Ordering Information

For new installations, select one complete part number from each section below

Section 1 Housing P/N:

Note: Pall filter housings are supplied without filter elements or filter change out warning devices. Never operate the filter housing unless a filter element is fitted and all warning device ports are sealed.

Housing part number designates indicator port is fitted with a plastic shipping plug.

Part Number	
HH7500A24A1	HH7502A32A1
HH7500A24B1	HH7502A32B1
HH7500A24W1	HH7502A32W1
HH7500C24A1	HH7502C32A1
HH7500C24B1	HH7502C32B1
HH7500C24W1	HH7502C32W1
	HH7502D32A1
	HH7502D32B1
	HH7502D32W1

Part Number (Description) Breakdown

HH = housing with nitrile seals
7500 = 7500 series spin-on housing
7502 = 7502 series spin-on housing
A24 = 1½" SAE J514 straight thread port
A32 = 2" SAE J514 straight thread port
C24 = 1½" BSP ISO 228 threads
C32 = 2" BSP ISO 228 threads
D32 = 2" Flange SAE J518c-code 61
A = 1.7 bard (25 psid) bypass valve
B = 3.4 bard (50 psid) bypass valve
W = Non-bypass
1 = 1 indicator warning device port

Section 2 Element Spin-On Can

P/N: HC7500 S H
 Table 1 Table 2

Note: 2 cans are required for 7502 Series housings

Table 1: Filter Performance Ratings

Coralon Filter Grade	$\beta_{x(c)} \geq 1000$ per ISO 16889	ISO Code Rating per Stress-Resistance Test (80% Δp)*
CZ	3	10/08/03
CP	5	12/09/07
CN	7	14/11/06
CS	12	15/11/06
CT	22	16/14/08

* based on 60 psid terminal pressure drop

Table 2: Length Options

Code	Description
4	4" nominal length
8	8" nominal length

Section 3 Differential Pressure Indicator

P/N: RC Z Z
 Table 3 Table 4

Note: If no Differential Pressure Indicator is selected, 'B' type blanking plug (P/N HC9000A104Z) must be ordered separately and fitted to replace the shipping plug.

Note: Z indicates fluorocarbon seals are standard. Other options are available; contact Pall.

Table 3: Indicator Options

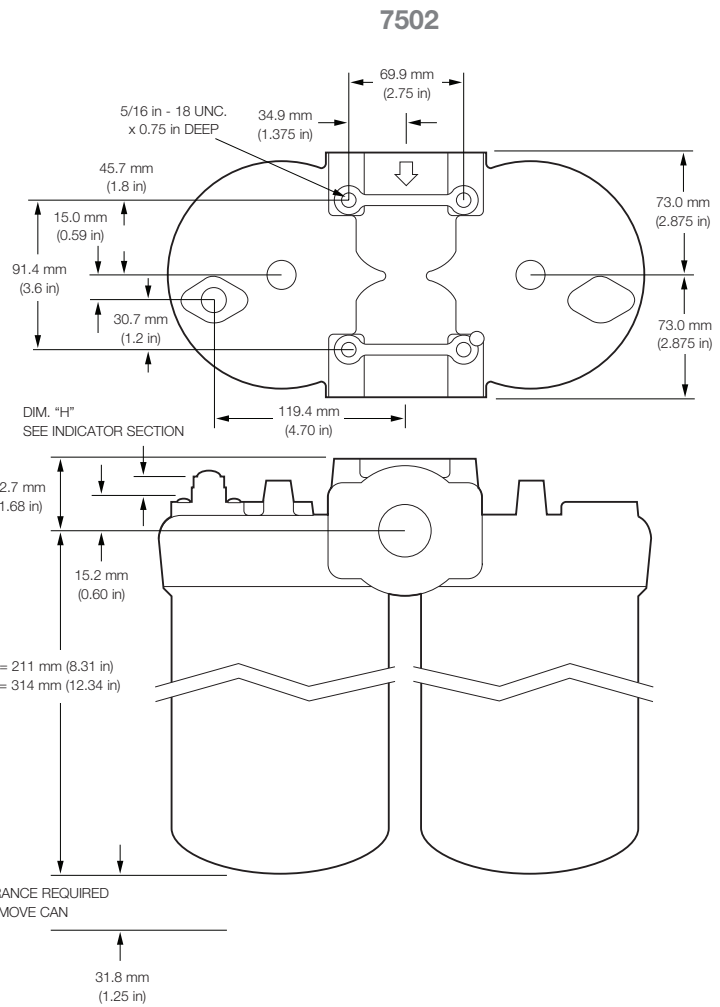
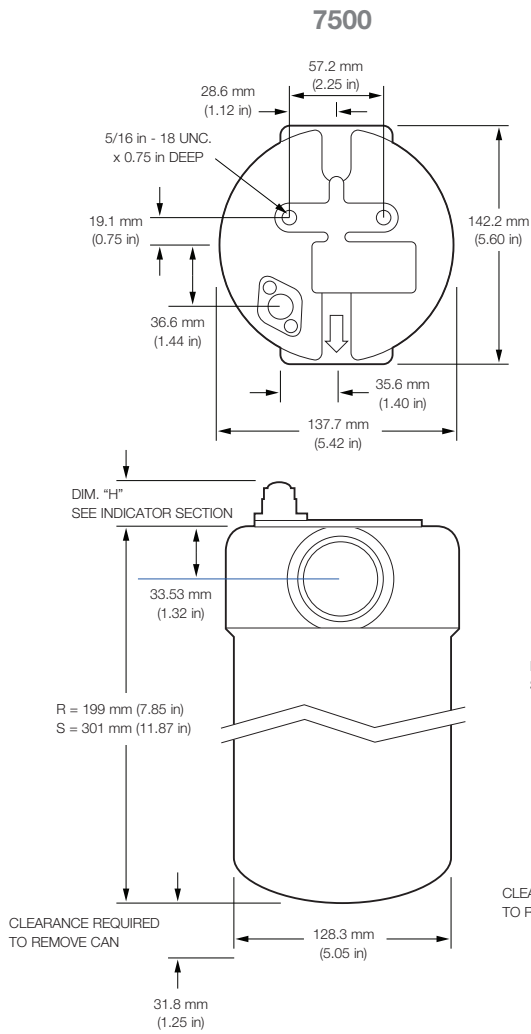
Code	Brass Option Indicator
A218M	Electrical switch (SPDT) with Hirschmann connector
A218R	Electrical switch (SPDT) with Hirschmann connector with Red and Green LED indicators
A219D	Visual indicator

Table 4: Indicator Pressure Setting Option

Code	Description
084	For A valve option housings (1.1 bard - 16 psid)
090	For B and W valve options (2.4 bard - 35 psid)

Dimensional Drawings

Dimensions in mm (inches)



The equipment has been assessed in accordance with the guidelines laid down in The European Pressure Directive 97/23/EC and has been classified within Sound Engineering Practice S.E.P. Suitable for use with Group 1 and 2 fluids only. Consult Sales for other fluid gas group suitability.



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