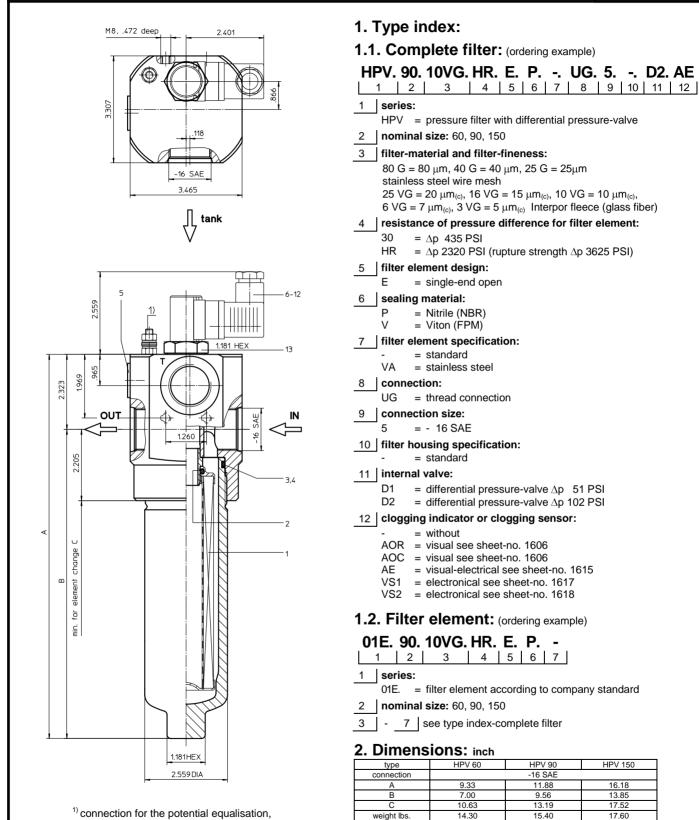
PRESSURE FILTER Series HPV 60-150 6000 PSI



¹⁾ connection for the potential equalisation, only for application in the explosive area

EDV 08/12



Changes of measures and design are subject to alteration!

.10 Ga

HPV 150

16.18

13.85

17.52

17.60

16 Ga

Friedensstrasse 41, 68804 Altlussheim, Germany							
de	1			info-internormen@eaton.com www.eaton.com/filtration			

.08 Gal

weight lbs

volume tanl

3. Spare parts:

item	qty.	designation	dimension HPV 60 -150	article	article-no.		
1	1	filter element	01E. 60-150				
2	1	O-ring	22 x 3,5	304341 (NBR)	304392 (FPM)		
3	1	O-ring	54 x 3	304657 (NBR)	304720 (FPM)		
4	1	support ring	61 x 2,6 x 1	304	304660		
5	1	screw plug	1/2 BSPP	304	304678		
6	1	clogging indicator, visual	AOR or AOC	see sheet	see sheet-no. 1606		
7	1	clogging indicator, visual-electrical	AE	see sheet	see sheet-no. 1615		
8	1	clogging sensor, electronical	VS1	see sheet	see sheet-no. 1617		
9	1	clogging sensor, electronical	VS2	see sheet	see sheet-no. 1618		
10	1	O-ring	15 x 1,5	315357 (NBR)	315427 (FPM)		
11		O-ring	22 x 2	304708 (NBR)	304721 (FPM)		
12	1	O-ring	14 x 2	304342 (NBR)	304722 (FPM)		
13	1	screw plug	20913-4	309	309817		

item 13 execution only without clogging indicator or clogging sensor

4. Description:

The pressure filters of the series HPV 60-150 are suitable for a working pressure up to 6000 PSI.

The pressure peaks are absorbed by a sufficient margin of safety. The HPV-filter is in-line mounted.

The filter element consists of star-shaped, pleated filter material which is supported on the inside by a perforated core tube and is bonded to the end caps with a high-quality adhesive. The flow direction is from outside to the inside. Filter elements are available down to 4 µm_(c).

Internormen Product Line filter elements are known as elements with a high intrinsic stability and an excellent filtration capability, a high dirt-retaining capacity and a long service life.

Internormen Product Line filter are suitable for all petroleum based fluids, HW-emulsions, most synthetic hydraulic fluids and lubrication oils. Internormen Product Line filter elements are available up to a pressure difference resistance of Δp 2320 PSI and a rupture strength of ∆p 3625 PSI.

The differential pressure-valve opens independently of the operating pressure at a chosen differential pressure-valve between IN and OUT and leaves an unfiltered partial-flow flowing from "IN" to the tank.

5. Technical data:

temperature range: operating medium: max. operating pressure: test pressure: connection system: housing material: sealing material: installation position:

+ 14°F to + 176°F (for a short time + 212°F) mineral oil, other media on request 6000 PSI 8580 PSI thread connection C-steel Nitrile (NBR) or Viton (FPM), other materials on request vertica

Classified under the Pressure Equipment Directive 97/23/EC for mineral oil (fluid group 2), Article 3, Para. 3. Classified under ATEX Directive 94/9/EC according to specific application (see questionnaire sheet-no. 34279-4).

6. Symbols:

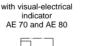
without indicator





with electrical







with electronical clogging sensor VS2



with electronical

clogging sensor

VS1









with visual-electrical

Precise flow rates see 'Interactive Product Specifier', respectively *Ap-curves* ; depending on filter fineness and viscosity.

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8. Test methods:

7. Pressure drop flow curves:

Filter elements are tested according to the following ISO standards:

- ISO 2941 Verification of collapse/burst resistance
- ISO 2942 Verification of fabrication integrity
- ISO 2943 Verification of material compatibility with fluids
- ISO 3723 Method for end load test
- ISO 3724 Verification of flow fatigue characteristics
- ISO 3968 Evaluation of pressure drop versus flow characteristics
- ISO 16889 Multi-pass method for evaluating filtration performance