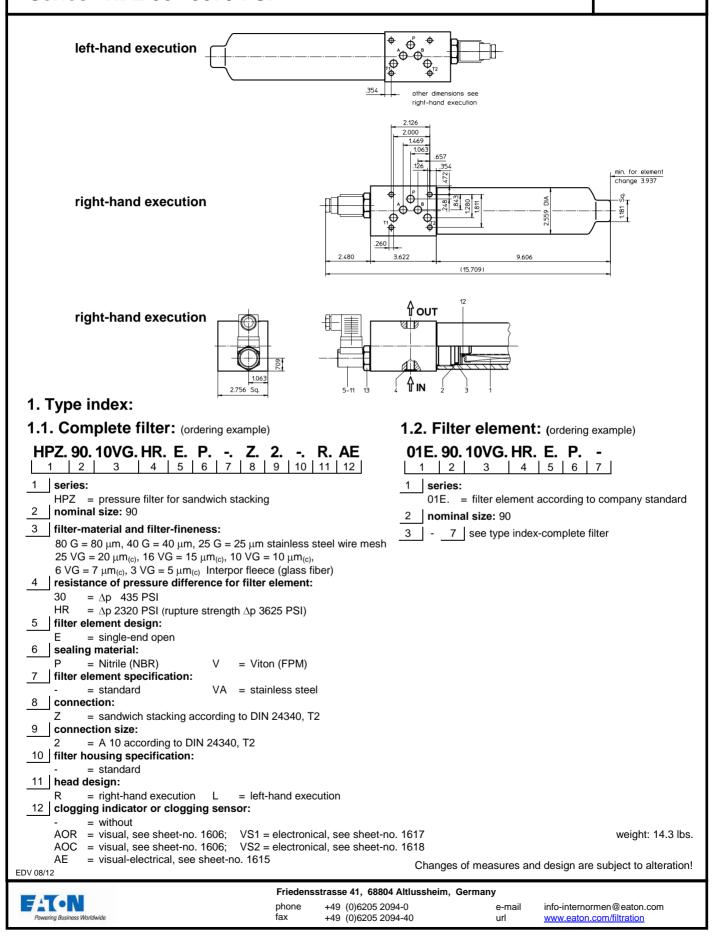
PRESSURE FILTER, for sandwich stacking Series HPZ 90 5075 PSI

Sheet No. 1493 I



2. Spare parts:

item	qty.	designation	dimension	article-no.	
1	1	filer element	01E.90		
2	1	support ring	SRA 52 x 2,6 x 1	311013	
3	1	O-ring	45 x 3	304991 (NBR)	304997 (FPM)
4	5	O-ring	12 x 2	311014 (NBR)	310271 (FPM)
5	1	clogging indicator, visual	AOR OR aoc	see sheet no. 1606	
6	1	clogging indicator, visual-electrical	AE	see sheet no. 1615	
7	1	clogging sensor, electronical	VS1	see sheet no. 1617	
8	1	clogging sensor, electronical	VS2	see sheet no. 1618	
9	1	O-ring	15 x 1,5	315357 (NBR)	315427 (FPM)
10	1	O-ring	22 x 2	304708 (NBR)	304721 (FPM)
11	1	O-ring	14 x 2	304342 (NBR)	304722 (FPM)
12	1	O-ring	22 x 3,5	304341 (NBR)	304392 (FPM)
13	1	screw plug	20913-4	309817	

item 13 execution only without clogging indicator or clogging sensor

3. Description:

Pressure filters for sandwich stacking with master gauge for holes according to DIN 24340-A10 are designed for vertical interlink mounting. The filters are placed in the pressure feed channel in front of the hydro valve that is to be protected.

The filters are available in right-hand and left-hand execution - with or without clogging indicator - thus, the filters can be installed according to the corresponding mounting and service applications.

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 5 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 Ap 2320 PSI and a rupture strength of Ap 3625 PSI.

4. Technical data:

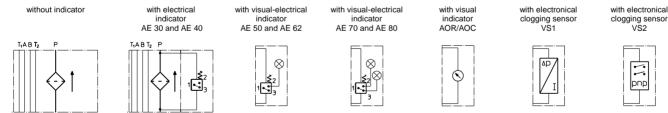
temperature range: operating medium: max. operating pressure: test pressure: connection system: housing material: sealing material: installation position:

+14°F to + 176°F (for a short time + 212°F) mineral oil, other media on request 5075 PSI 7257 PSI (master gauge for holes) DIN 24340 - A10 EN-GJS-400-18-LT; C-steel Nitrile (NBR) or Viton (FPM), other materials on request vertical (preferably) horizontal .10 Gal.

volume tank:

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).

5. Symbols:



6. Pressure drop flow curves: Precise flow rates see 'Interactive Product specifier', respectively Ap-curves; depending on filter fineness and viscosity.

7. Test methods:

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