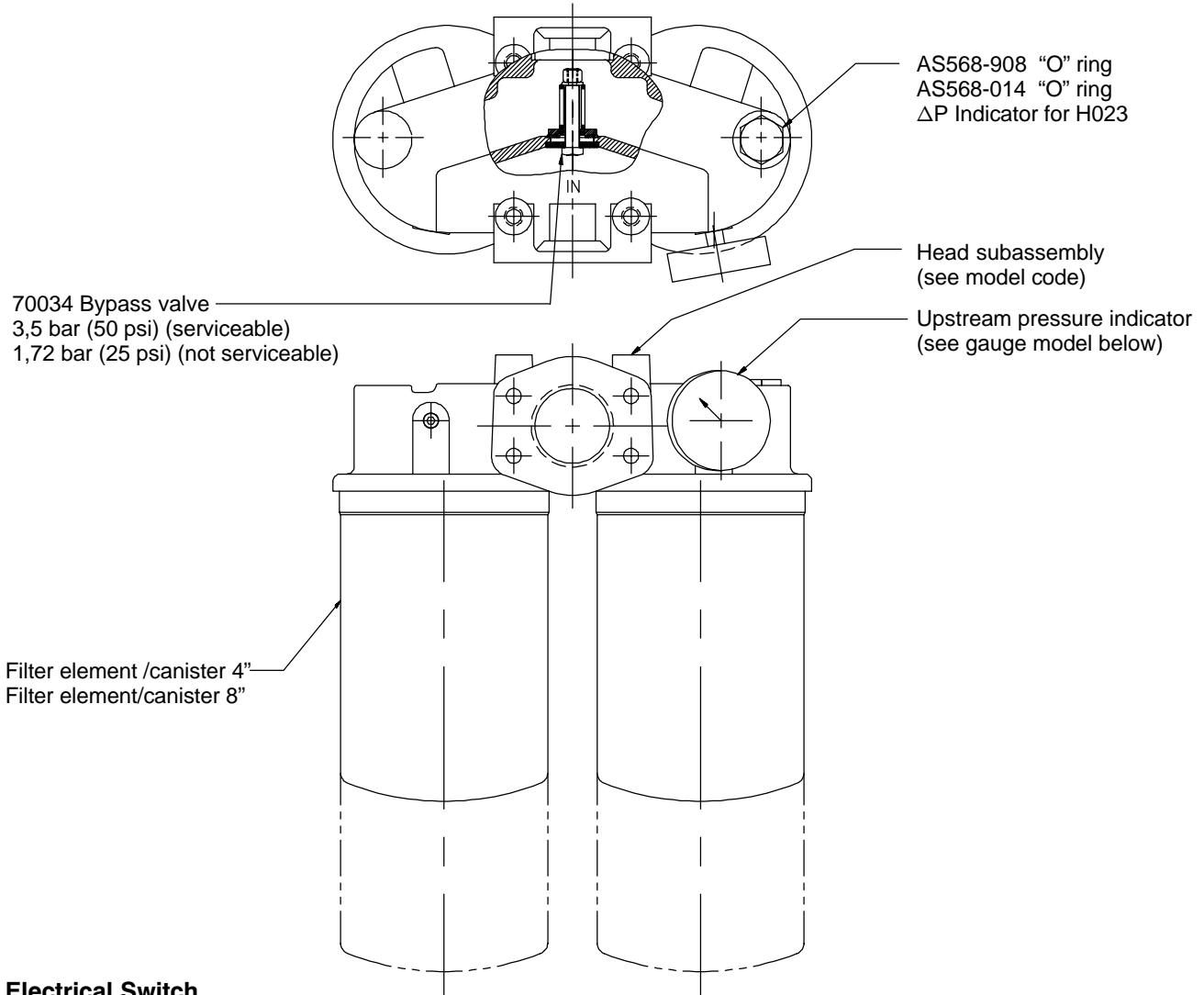


# Filters



Service Data

## High Performance/Pressure Filter Flows to 454 L/min (120 USgpm) H022 Series

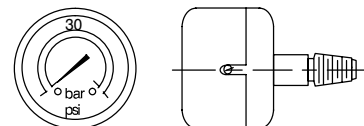
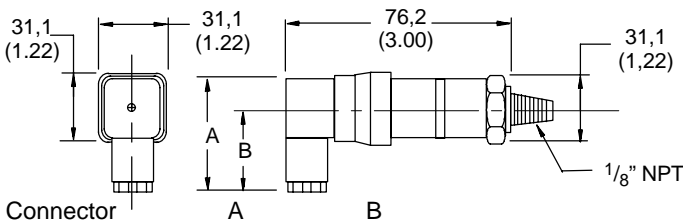


### Electrical Switch

Switch 1,2 bar (18 psi) Brad Harrison	P-234117-01
Switch 2,4 bar (35 psi) Brad Harrison	P-234118-01
Switch 1,2 bar (18 psi) DIN	P-233051-01
Switch 2,4 bar (35 psi) DIN	P-233573-01

### Gauge

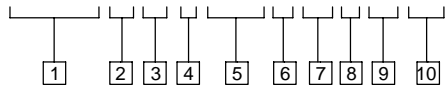
HL15 P-232965-01	0-4,1 bar (0-60 psi)	color coded
P-232974-01	0-14 bar (0-200 psi)	



Connector	A	B
DIN 43650	48,2 (1.90)	34,9 (1.37)
Brad Harrison	59,2 (2.33)	45,7 (1.80)

# Housing Sub Assembly Model Code

**H022 1 D 3 KN 1 B 2 R 05**



**1 Filter series**  
H022

**2 Element collapse rating**  
1 – 10 bar (150 PSID)

**3 Port option**  
D – 1.875–12UN SAE-24 straight thread (1½” Tube)  
E – 1½” SAE 4-bolt split flange Code 61

**4 Valve option**  
3 – Bypass set at 25 ± 3 PSID

**5 Indicator type (first designator) Differential pressure indicators**

- C – Electrical/visual ΔP 1,03 ± 0,27 bar (15 ± 4 PSID)
- D – Electrical/visual ΔP 2,4 ± 0,35 bar (35 ± 5 PSID)
- F – Electrical/visual ΔP 1,03 ± 0,27 bar (15 ± 4 PSID) thermal lockout 38° C (100° F)
- G – Electrical/visual ΔP 2,4 ± 0,35 bar (35 ± 5 PSID) thermal lockout 38° C (100° F)
- J – No ΔP indicator plug and seal
- K – Visual ΔP indicator with 1,03 ± 0,27 bar (15 ± 4 PSID) actuation & thermal lockout 38° C (100° F)
- L – Visual ΔP indicator with 2,4 ± 0,35 bar (35 ± 5 PSID) actuation & thermal lockout 38° C (100° F)
- Q – Electrical ΔP switch with 1,03 ± 0,27 bar (15 ± 4 PSID)
- R – Electrical/visual ΔP 2,4 ± 0,35 bar (35 ± 4 PSID)

**5 Indicator type (first designator) (con’t.)**

- Upstream pressure indicators**
- 1 – No indicator – Pipe plug installed.
  - 2 – 0 –14 bar (0 – 200 psi) press. gage
  - 4 – 0 – 4,14 bar (0 – 60 psi) press. gage
  - 6 – Electrical switch 1,24 bar (18 psi)
  - 7 – Electrical switch 2,4 bar (35 psi)
  - 8 – Electrical switch 1,24 bar (18 psi) DIN 43650 only
  - 9 – Electrical switch 2,4 bar (35 psi) DIN 43650 only

- Second designator**  
(Electrical receptacle style)  
B – 5 pin Brad Harrison (41512)  
H – DIN 43650 or Hirschman receptacle (GSA plug) 3 poles plus ground  
N – No receptacle – Use with (J, K, L)

**6 Brackets**  
1 – No bracket

**7 Seal material**  
B – Buna–N

**8 Canister length mm (in)**  
1 – 184,4 (7.26)  
2 – 286,0 (11.26)

**9 Element construction**  
R – R–pak (3,5,10 & 20)

**10 Fluid cleanliness ratings**

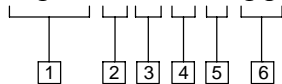
Code	Target fluid cleanliness level	Element construction
03	16/14/12 or better	R–pak
05	18/16/14 or better	R–pak
10	20/18/15 or better	R–pak
20	22/19/16 or better	R–pak

NOTE: Filter head is furnished with two ports drilled, tapped and plugged for gage or switch option.

NOTE: Plugged ΔP port machined for indicators.

## Element Model Code

**V021 1 B 2 R 05**



**1 Filter element**  
V021 – For use with H021, H022, H023 & OFRS60 series filters

**2 Element collapse rating**  
1 – 10 bar (150 PSID)

**3 Seal material**  
B – Buna–N

**4 Canister length mm (in)**  
1 – 184,4 (7.26)  
2 – 286,0 (11.26)

**5 Element construction**  
R – R–pak (3,5,10 & 20)

**6 Fluid cleanliness ratings**

Code	Target fluid cleanliness level	Element construction
03	16/14/12 or better	R–pak
05	18/16/14 or better	R–pak
10	20/18/15 or better	R–pak
20	22/19/16 or better	R–pak

The table above assumes limited ingress and a single pass of pump flow through the element. For more detailed information, please consult Vickers Guide to Systemic Contamination Control 561 or contact your local Vickers Distributor.

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