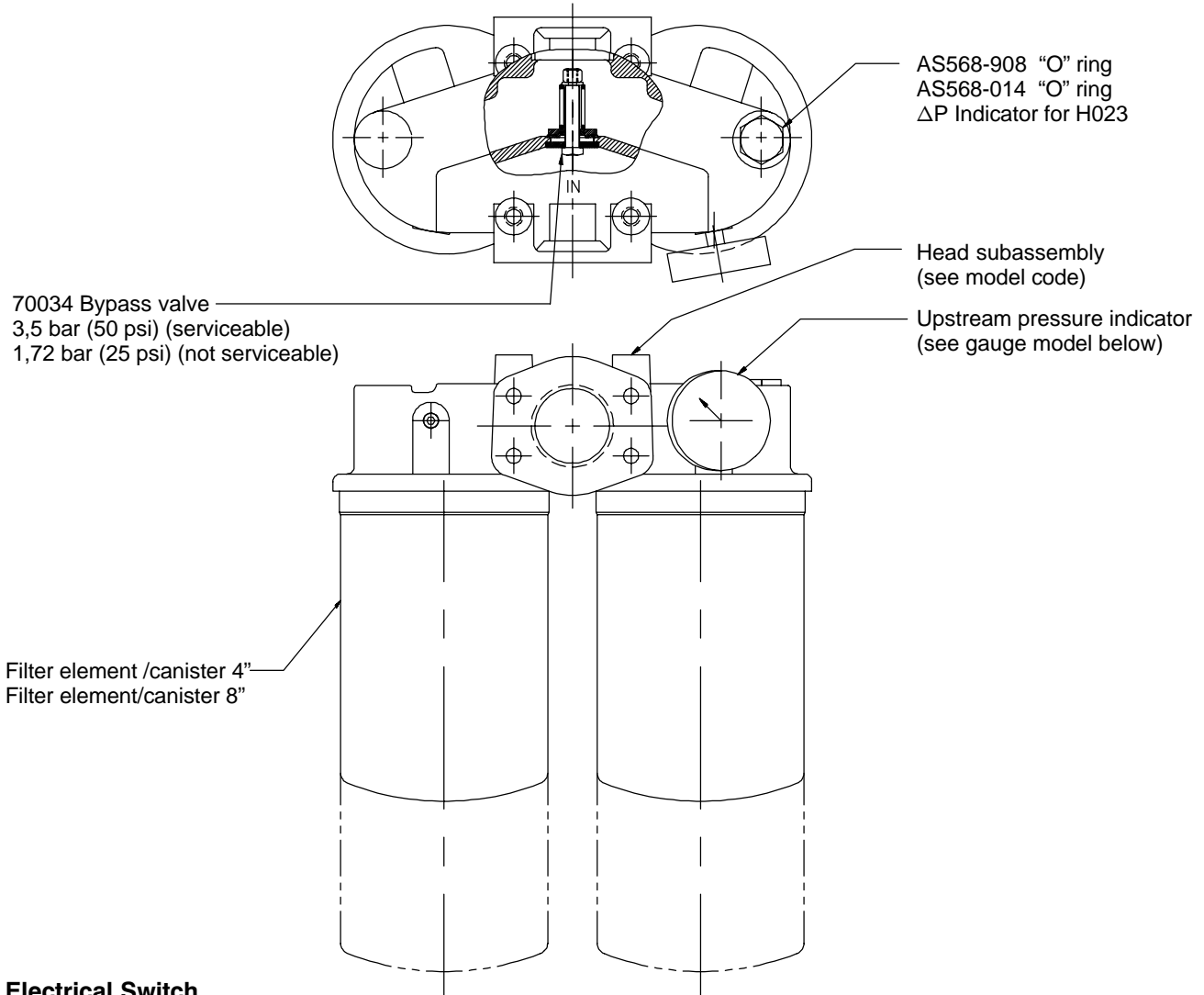


# Filters



Service Data

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

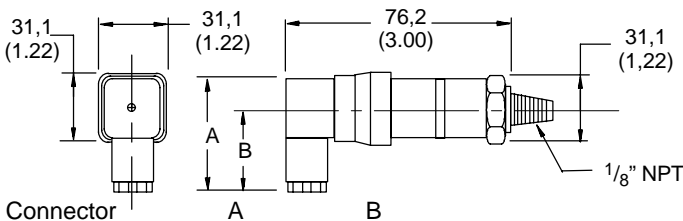


### Electrical Switch

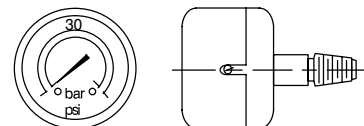
Switch 1,2 bar (18 psi) Brad Harrison	P-234117-01
Switch 2,4 bar (35 psi) Brad Harrison	P-234118-01
Switch 1,2 bar (18 psi) DIN	P-233051-01
Switch 2,4 bar (35 psi) DIN	P-233573-01

### Gauge

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

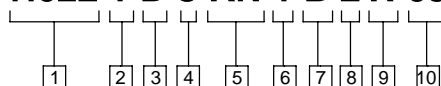


Connector	A	B
DIN 43650	48,2 (1.90)	34,9 (1.37)
Brad Harrison	59,2 (2.33)	45,7 (1.80)



# Housing Sub Assembly Model Code

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



- 1 Filter series**  
H022

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

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

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

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- 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

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- 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)

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- 6 Brackets**  
1 – No bracket

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- 7 Seal material**  
B – Buna–N

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- 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)

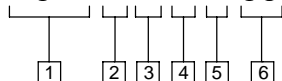
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  - 10 Fluid cleanliness ratings**
- | Code | Target fluid cleanliness level | Element construction |
|------|--------------------------------|----------------------|
| 03   | 16/14/12 or better             | R–pak                |
| 05   | 18/16/14 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

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

- 3 Seal material**  
B – Buna–N

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- 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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