

FINE CONTROLS (UK) LTD



Fine Controls have been supplying process controls & instrumentation equipment since 1994, & now serves an ever expanding customer base, both in the UK & globally.

We offer a full range of valve & instrumentation products & services, with our product range representing leading technologies & brands:

Flow: Flow Meters & Transmitters, Flow Switches, Flow Control Valves & Batch Control Systems

Temperature: Temperature Probes & Thermowells, Temperature transmitters, Temperature Regulators & Temperature Displays

Level: Level Transmitters & Switches

Pressure: Pressure Gauges & Transmitters, Precision & High Pressure Regulators & I-P Converters, Volume boosters.

Precision Pneumatics: Pressure Regulators, I-P Converters, Volume Boosters, Vacuum Regulators

Valves: Solenoid & Pneumatic Valves, Control Valves & Positioners, Actuated Ball, Globe or Diaphragm Valves & Isolation Valves

Services: Repair, Calibration, Panel Build, System Design & Commissioning

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SIEMENS



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SOLENOID VALVES

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SOLDO
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4500 SERIES ANCILLARY VALVES N.R.V. BREATHERS AND BREATHER (SILENCERS)

- Specifically designed for Severe Offshore Environments

- Ambient Temperature Range -20°C to +70°C

(Low temperature version -50°C)

- 316 Stainless Steel construction



General Description

N.R.V. Breathers - 316 Stainless Steel non return breather to prevent ingress into exhaust and vent ports.

Breathers (Silencers) - 316 Stainless Steel sintered element silencers used to protect ports open to the atmosphere.

'Bug Screen' Port Vent - 316 Stainless Steel sintered element used to protect vent ports to atmosphere.

Working Temperature Range

- -20°C to +70°C (-4°F to +158°F)

Cv (Kv)

N.R.V. Breathers

- 1/4" - 0.65 Cv (10 Kv)

- 3/8" - 1.3 Cv (20 Kv)

- 1/2" - 1.6 Cv (24 Kv)

Breathers (Silencers)

- 1/4" - 1.5 Cv (24 Kv)

- 3/8" - 2.0 Cv (30 Kv)

- 1/2" - 3.5 Cv (54 Kv)

- 3/4" - 5.5 Cv (85 Kv)

- 1" - 5.7 Cv (88 Kv)

Working Pressure

- 12 bar (174 psi)

Maximum Flow

- 6 bar (87 psi), 1 bar (14.5 psi) differential

N.R.V. Breathers

- 1/4" - 646 L/Min (25 SCFM)

- 3/8" - 1300 L/Min (45 SCFM)

- 1/2" - 1550 L/Min (54 SCFM)

Breathers (Silencers)

- 1/4" - 1550 L/Min (55 SCFM)

- 3/8" - 1940 L/Min (68 SCFM)

- 1/2" - 3410 L/Min (123 SCFM)

- 3/4" - 5500 L/Min (194 SCFM)

- 1" - 5700 L/Min (201 SCFM)

4500 SERIES ANCILLARY VALVES N.R.V. BREATHERS AND BREATHER (SILENCERS)

Operating Medium

- *Gases* - Filtered lubricated or non-lubricated air, inert gas, sweet (natural) gases.
- *Liquids* - Low pressure hydraulic, mineral oil

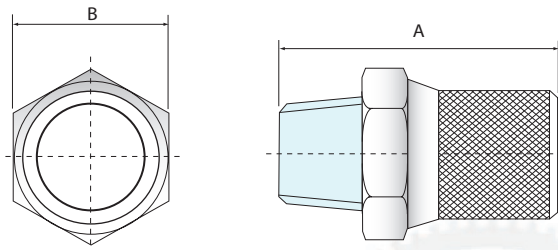
Note:

- All dimensions given in mm

Construction Materials

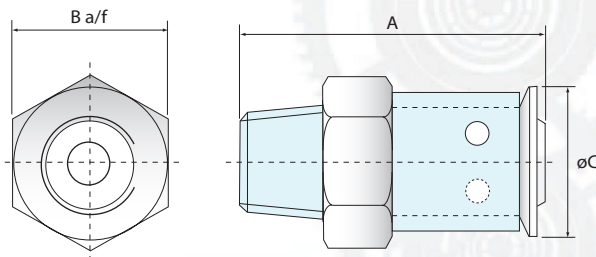
- Body: 316 Stainless Steel
- Internals: 316 Stainless Steel
- Spring: 316 Stainless Steel
- Seals: Nitrile

Breathers (Silencers)



THREAD	A	B
1/8" NPT	31	14
1/4" NPT	38	17
3/8" NPT	44	22
1/2" NPT	55	24
3/4" NPT	70	32
1" NPT	75	36

N.R.V. Breathers



THREAD	A	B	C
1/4" NPT	34	17	17
3/8" NPT	40	23.4	21
1/2" NPT	45	23.4	21

N.R.V. Breather



Breather (Silencer)

