

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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4500 SERIES ANCILLARY VALVES NON RETURN VALVE



- Specifically designed for Severe Offshore Environments
- 2 ranges - Upto 12 bar (174psi) & Upto 25 bar (362psi)
 - Ambient Temperature Range -20°C to +70°C
(Low temperature version -50°C)
- 316 Stainless Steel construction

General Description

316 Stainless Steel non return valves in two ranges - one for pressures up to 12 bar (174psi) and one for pressures up to 25 bar (362 psi).

Working Temperature Range

- -20°C to +70°C (-4°F to +158°F)
- Low temperature version
-50°C (-58°F) (optional)

Cv (Kv)

Uni-directional

- 1/4" - 1.0 Cv (15.5 Kv)
- 3/8" - 1.7 Cv (26 Kv)
- 1/2" - 2.5 Cv (39 Kv)
- 3/4" - 5.4 Cv (84 Kv)
- 1" - 9.8 Cv (152 Kv)

Bi-directional

- 1/4" - 0.6 Cv (9.6 Kv)
- 3/8" - 1.3 Cv (20 Kv)
- 1/2" - 2.0 Cv (31 Kv)

Working Pressure

- 10 bar (145 psi)

Maximum Flow

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

Uni-directional

- 1/4" - 1000 L/Min (35 SCFM)
- 3/8" - 1680 L/Min (59 SCFM)
- 1/2" - 2520 L/Min (89 SCFM)
- 3/4" - 5428 L/Min (192 SCFM)
- 1" - 9820 L/Min (347 SCFM)

Bi-directional

- 1/4" - 620 L/Min (22 SCFM)
- 3/8" - 1290 L/Min (45 SCFM)
- 1/2" - 2000 L/Min (71 SCFM)

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Operating Medium

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

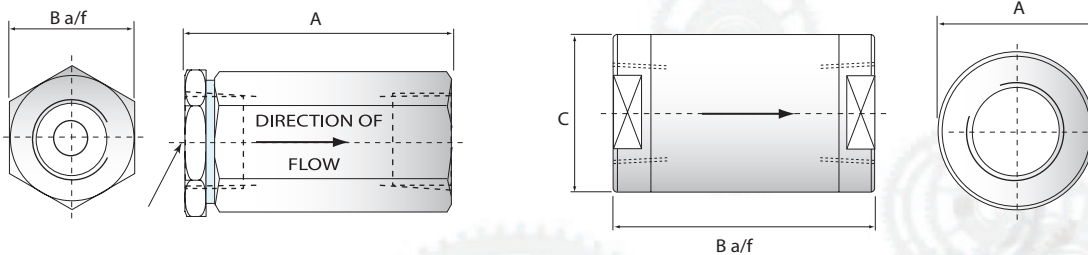
Note:

- All dimensions given in mm

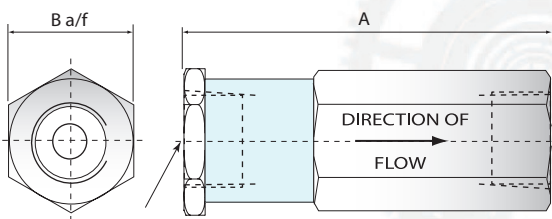
Construction Materials

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

12 Bar version



25 Bar version



Non return valves



THREAD	A	B	C
12 BAR			
1/4" NPT	50	22.2	-
3/8" NPT	65	30.5	-
1/2" NPT	65	30.5	-
3/4" NPT	85	45	50.8
1" NPT	85	45	50.8
25 BAR			
1/4" NPT	70	23.4	-
3/8" NPT	80	33	-
1/2" NPT	90	41.3	-