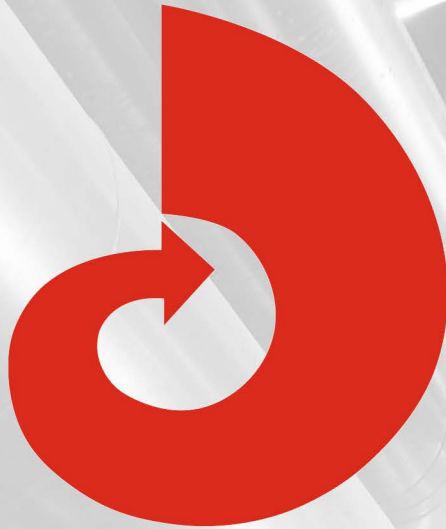


FINE CONTROLS (UK) LTD



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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Fine Controls (UK) LTD, Bassendale Road, Croft Business Park,
Bromborough, Wirral, CH62 3QL UK
Tel: 0151 343 9966
Email: sales@finecontrols.com

4500 SERIES ANCILLARY VALVES UNI & BI DIRECTIONAL FLOW REGULATORS



- Specifically designed for Severe Offshore Environments

- For use on failsafe systems

- Uni-directional

- Bi-directional

- In-Line flow

General Description

Uni-directional - 316 Stainless Steel in-line flow regulators for uni-directional operation (free flow return).

Bi-directional - 316 Stainless Steel in-line flow regulators for bi-directional operation (separate flow control in each direction).

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)

4500 SERIES ANCILLARY VALVES UNI & BI DIRECTIONAL FLOW REGULATORS

Operating Medium

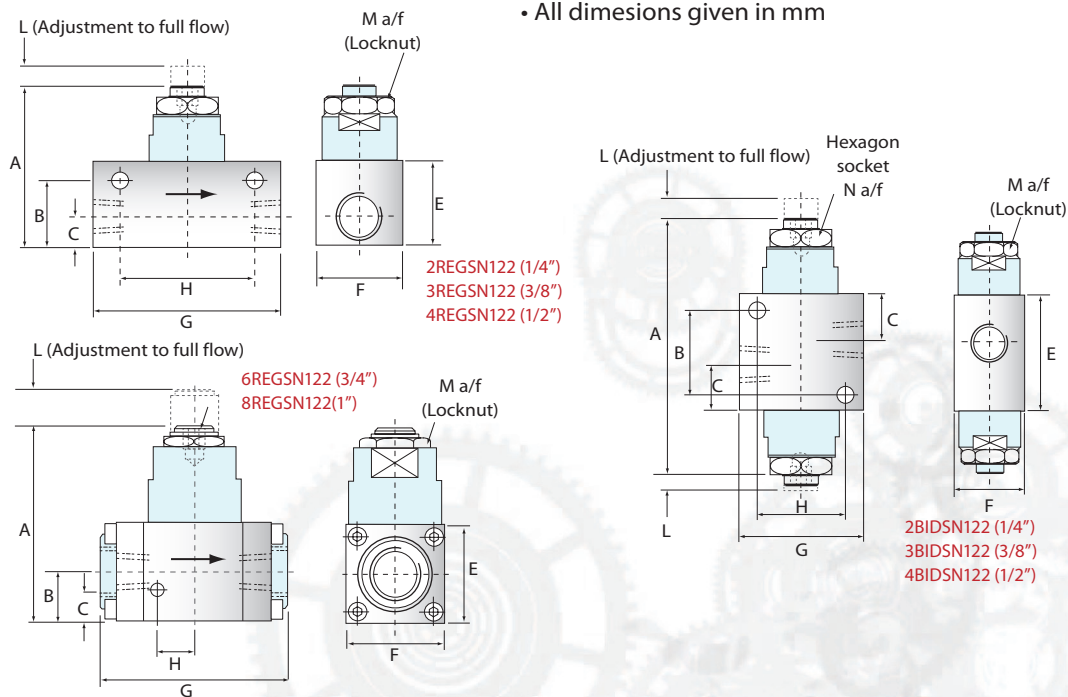
- **Gases** - Filtered lubricated or non-lubricated air, inert gas, sweet (natural) gases. Sour gas option available.
- **Liquids** - Low pressure hydraulic, mineral oil or water.

Construction Materials

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

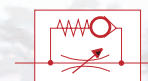
Note:

- All dimensions given in mm



Model Number	Ports	A	B	C	E	F	G	H	J	L	M	N	Weight
Uni-Directional													
2REGSN122	1/4" NPT	48	20	9	25.4	25.4	56	40	6.35	6	18	5	0.26
3REGSN122	3/8" NPT	70	29	14.5	35	35	76	45	6.35	12	23.3	6	0.75
4REGSN122	1/2" NPT	70	29	13.5	35	35	76	45	6.35	12	23.3	6	0.75
6REGSN122	3/4" NPT	100	16	25.4	50.8	50.8	95	19	6.35	19	30.5	10	1.75
8REGSN122	1" NPT	125	19	31.7	63.5	63.5	95	24	6.35	19	36	12	2.75
Bi-Directional													
2BIDSN122	1/4" NPT	85	28	15.5	40	25.4	44.5	32	6.35	6	18	5	0.43
3BIDSN122	3/8" NPT	121	35	21	51	35	63.5	45	6.35	12	23.3	6	1.40
4BIDSN122	1/2" NPT	121	35	21	51	35	63.5	45	6.35	12	23.3	6	1.40

Uni-directional



Bi-directional

