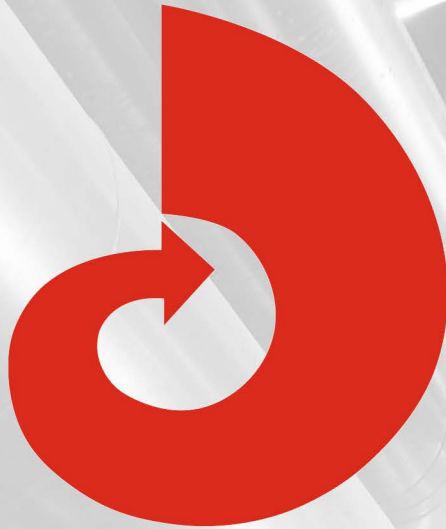


FINE CONTROLS (UK) LTD



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

A **rotork** Brand
FAIRCHILD



bürkert



SIEMENS



alcon
SOLENOID VALVES

A **rotork** Brand



MIDLAND-ACS
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Honeywell



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Baumer Group



SOLDO
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Bromborough, Wirral, CH62 3QL UK
Tel: 0151 343 9966
Email: sales@finecontrols.com

4500 SERIES ANCILLARY VALVES NEEDLE VALVES • EXHAUST PORT FLOW REGULATORS



- 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

Needle Valve - 316 Stainless Steel with 3mm or 6mm orifice.

Exhaust Port Flow Regulators - 316 Stainless Steel exhaust flow regulator/breather supplied complete with tamper proof cap

Working Temperature Range

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

Cv (Kv)

Needle Valve (3mm orifice)

- 1/4" - 0.30 Cv (4.6 Kv)

Needle Valve (6mm orifice)

- 1/4" - 0.64 Cv (10 Kv)

Exhaust Port Flow Regulators

- 1/4" - 0.64 Cv (10 Kv)
- 3/8" - 1.10 Cv (17 Kv)
- 1/2" - 1.80 Cv (28 Kv)

Working Pressure

- 12 bar (174 psi) maximum

Maximum Flow

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

Needle Valve (3mm orifice)

- 1/4" - 290 L/Min (10.5 SCFM)

Needle Valve (6mm orifice)

- 1/4" - 640 L/Min (23 SCFM)

Exhaust Port Flow Regulators

- 1/4" - 646 L/Min (25 SCFM)
- 3/8" - 1100 L/Min (39 SCFM)
- 1/2" - 1800 L/Min (64 SCFM)



Severe & Hazardous Area Experts

4500 SERIES ANCILLARY VALVES

NEEDLE VALVES • EXHAUST PORT FLOW REGULATORS

Operating Medium

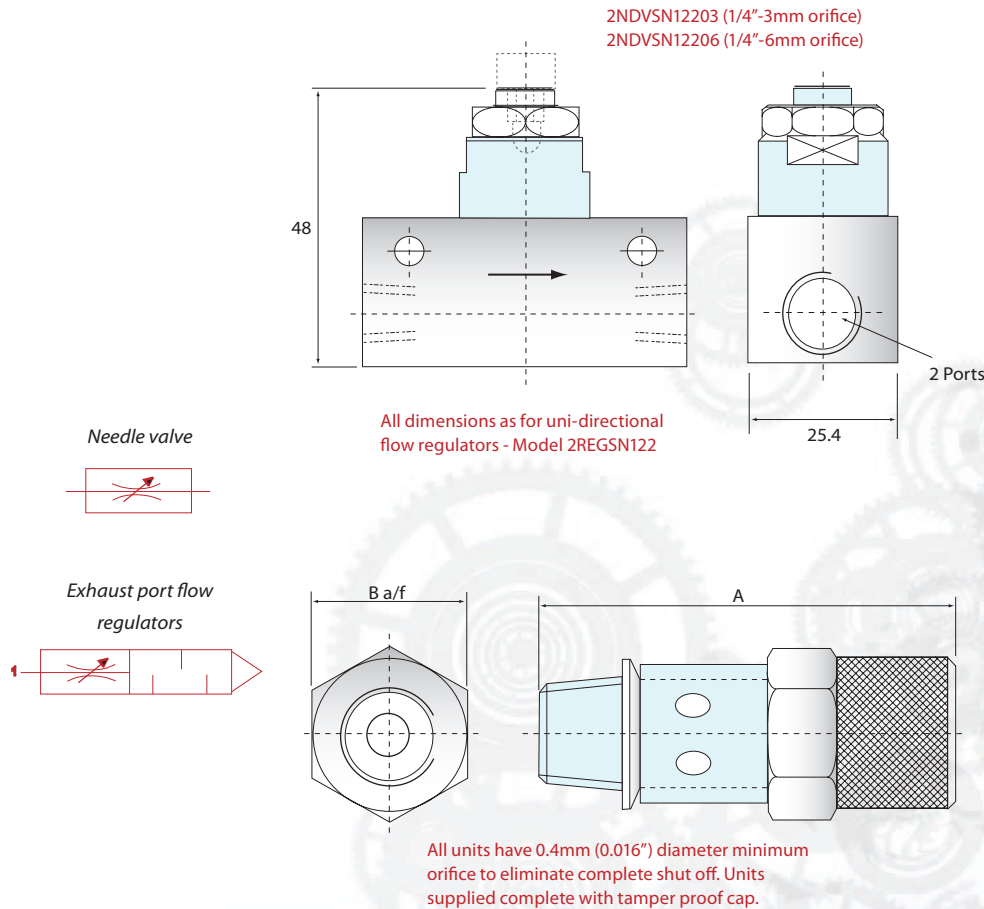
- Gases - Filtered non-lubricated air, inert, sweet (natural) gases.

Note:

- All dimesions given in mm

Construction Materials

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



THREAD	A	B
1/4" NPT	47.5	17
3/8" NPT	66	23.4
1/2" NPT	87.5	23.4