

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

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MIDLAND-ACS
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Honeywell



Bourdon
Baumer Group



SOLDO
CONTROLS

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DN5 SERIES IECEX HYDRAULIC SOLENOID PILOT VALVE



Specifically designed for Offshore Severe Environments

- Certified Zone 1 Hazardous Areas
- IECEX BAS.070029x
- ATEX 94/9/EC
- M.T.B.F., SFF, PFD and SIL Data (Available upon request)
- Easy Installation, Repair and Replacement
- Ambient Temperature Range -50°C to 80°C
- Low Power Consumption
- 316 Stainless Steel Construction
- 690 bar Max Pressure
- 20 litres/min
- Leak tight

CERTIFICATION OPTIONS AVAILABLE



General Description

The DN5 is a metal to metal seated hydraulic control valve. The stainless steel seat design ensures a leak tight shut off. The valve design incorporates a balanced internal piloting system to enable the low powered solenoid coil to switch the valve at high pressures.

The DN5 Pilot and Mainstage use cartridge insert technology which simplifies replacement and considerably reduces “downtime” costs. Features of the DN5 are an ‘O’ Ring interface that enables it to be fitted with a subplate, or manifold mounted for use in local control panels for actuators and wellhead control applications.

By removing just 4 bolts the valve can be dismantled without disturbing pipework and possibly contaminating the hydraulic system. Blanking or flushing plates can also be supplied.

DN5 SERIES IECEX HYDRAULIC SOLENOID PILOT VALVE

Ambient Temperature Range

- Standard: -20°C to +60°C (-4°F to +140°F)
- Low temperature option: -50°C (-58°F)

Ingress Protection

- IP67/NEMA 6

Filtration

- Recommended 10 micron absolute

Construction Materials

- Valve bodies and subplates: 316L Stainless Steel
- Wetted parts: various grades of stainless steel/ceramic
- Fasteners: A4, grade 80 stainless steel
- Springs: stainless steel

Protection Class

- Exd IIC T6 at 60°C
- Exd IIC T4 at 80°C

Power Consumption

- 3.5 watts upto 414 bar
- 8 watts upto 690 bar

Operating Pressure Range

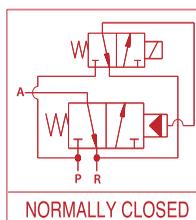
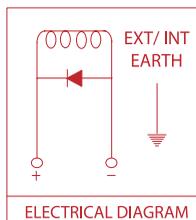
- 0 to 690 bar depending on operator type

Operating Medium

- Fluids - Suitable for use with Mineral Oils, Water Glycols and Synthetic fluids

Weight (approximate)

- With Subplate 5.0 kgs
- Without Subplate 4.25 kgs



DN5 SERIES IEC EX SCHEMATICS

