

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
A rotork® Brand



Honeywell



Bourdon
Baumer Group



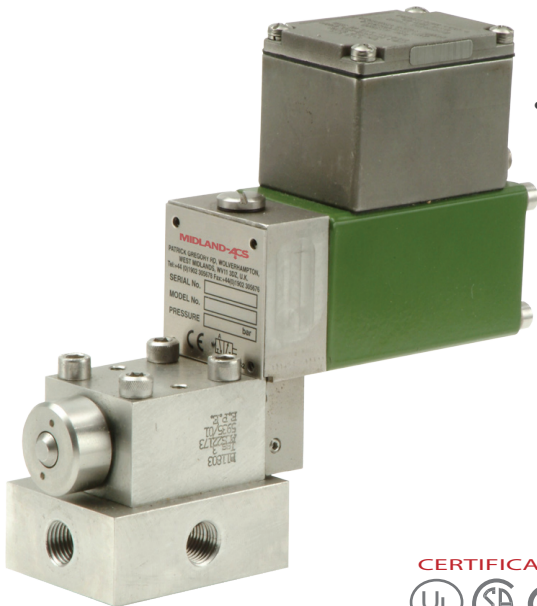
SOLDO
CONTROLS

A rotork® Brand



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

DN3 SERIES BALL SEATED HYDRAULIC SOLENOID PILOT VALVE



- Specifically designed for Severe Offshore Environments
- Certified for Zone 1, Class 1 Hazardous Areas
- 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 +60°C
- Low Power Consumption (3.5 & 8 Watts)
- 316 Stainless Steel Construction
- Wide range of operators available
- 1140 bar Max Operating Pressure
- Leak tight
- 5 litres/min

CERTIFICATION OPTIONS AVAILABLE



General Description

The DN3 is a ball seated hydraulic control valve. The stainless steel seat and ceramic ball design ensures a leak tight shut off. The DN3 valve design incorporates a balanced internal piloting system and a lever mechanism to enable low powered operators to switch the valve at high pressures.

The DN3 valve features an 'O' Ring interface that enables it to be fitted with a ¼"NPT ported subplate as standard, or manifold mounted to reduce pipework, fittings, weight and space. This interface also allows direct mounting of the DN3 valve to the larger pilot-operated DN5, whereby increasing the flow capacity up to 200L/min. (Please consult factory for further information).

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.

DN3 SERIES BALL SEATED 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

- IP66/NEMA 4X

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 T5
- EExd IIb T4
- EExde IIb T4/T6
- EExd IIC T6
- EExme II T4
- EExme II T6

Power Consumption

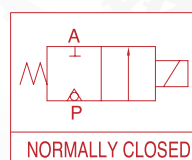
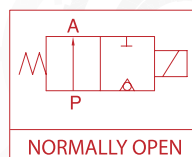
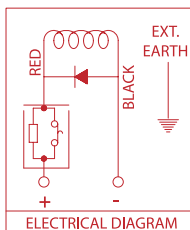
- 3.5 & 8 watts

Operating Pressure Range

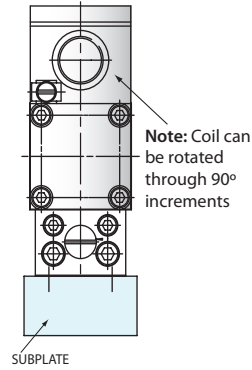
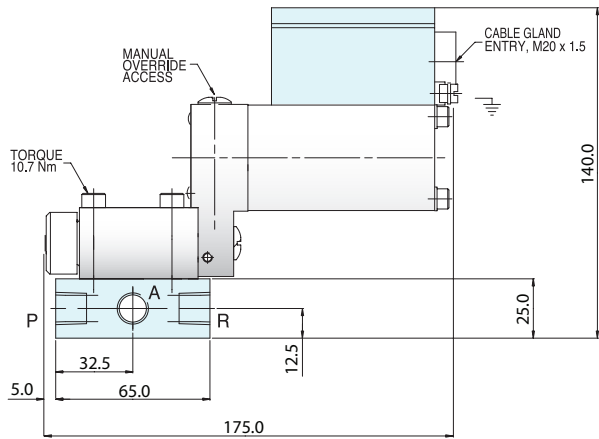
- 0 to 1140 bar depending on operator type

Operating Medium

- Fluids - Suitable for use with Mineral Oils, Water Glycols, Methanol and Fresh Water
- Gases - Air, Natural Gas, and Nitrogen



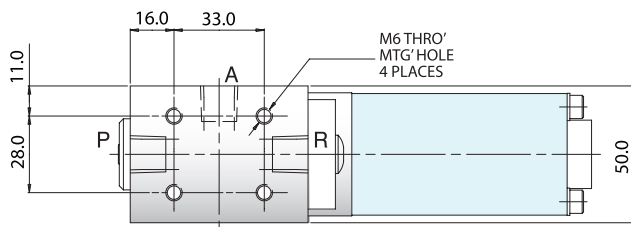
DN3 SERIES BALL SEATED SCHEMATICS



CERTIFICATION OPTIONS AVAILABLE

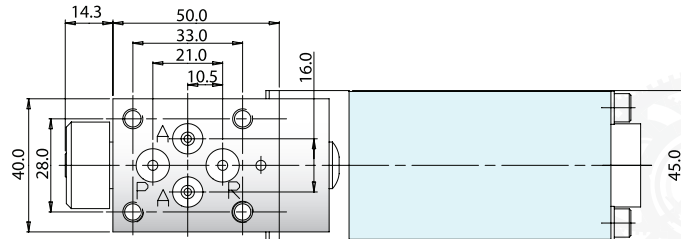


3/2 SUBPLATE MOUNTED
ALL PORTS 1/4" NPT
WEIGHT 3.0 KGS

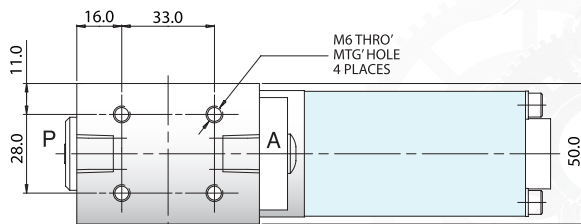


3/2 'O' Ring Interface
Weight 2.5kg

PORT	DIA	'O' RING
P AND R	3.0	9.25 x 1.78
A	3.0	6.07 x 1.78



2/2 SUBPLATE MOUNTED
ALL PORTS 1/4" NPT
WEIGHT 3.0 KGS



2/2 'O' Ring Interface
Weight 2.5kg

PORT	DIA	'O' RING
P AND A	3.0	9.25 x 1.78

