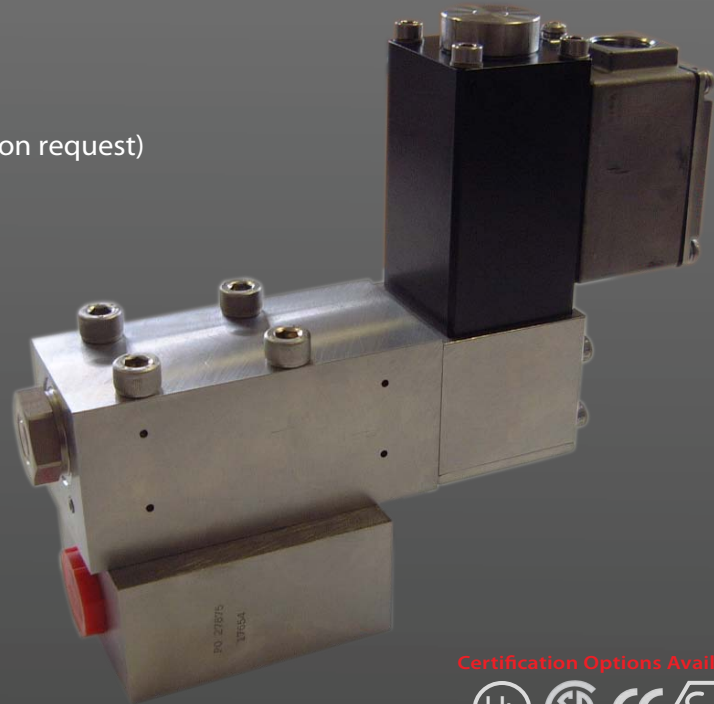


Specifically designed for Offshore Severe Environments

- Certified Zone 1 Class 1 Hazardous Areas
- ATEX 94/9/EC
- M.T.B.F., Lambda 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
- 400 bar Max Pressure
- 200 litres/min
- Leak tight



Certification Options Available



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#### ACCURACY AND COMPLETENESS OF INFORMATION

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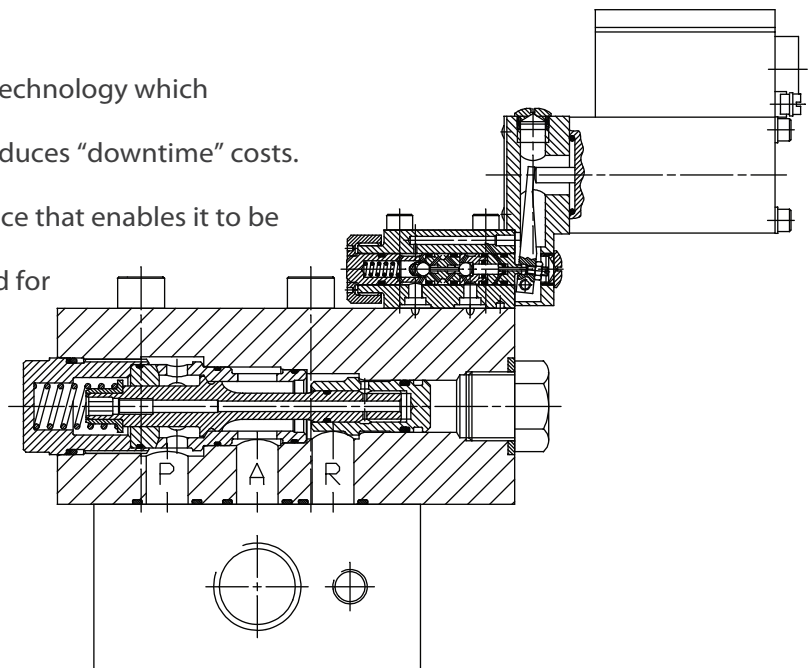
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**General Description**

The DN25 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 DN25 Mainstage uses cartridge insert technology which simplifies replacement and considerably reduces “downtime” costs. Features of the DN25 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.



**Materials of construction**

- Valve bodies and subplates 316L Stainless Steel
- Wetted parts, various grades of stainless steel/ ceramic/aluminium bronze
- Metal to Metal Seated Design

**Filtration**

- Recommended 10 micron absolute

**Ingress protection**

- IP66/NEMA 4X

**Ambient temperature range**

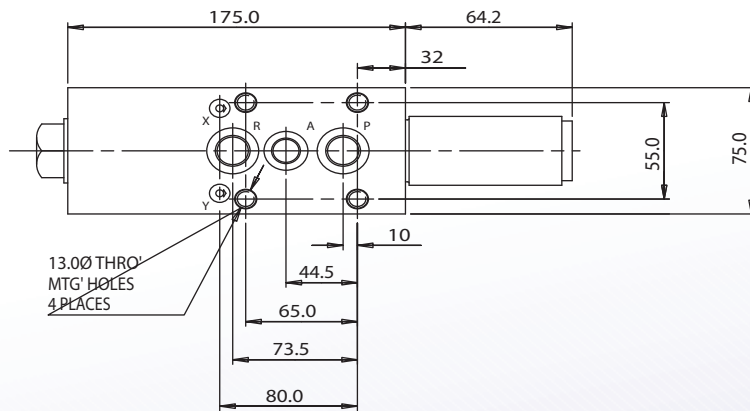
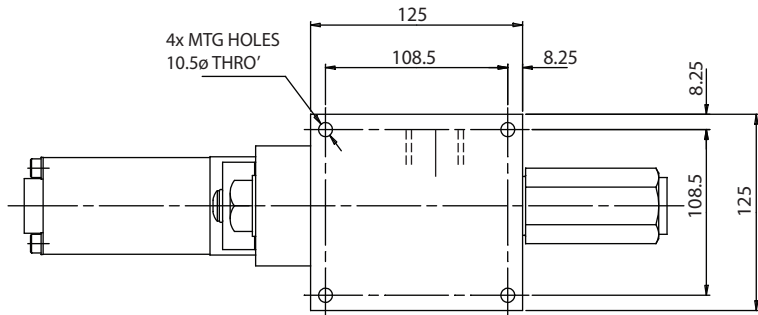
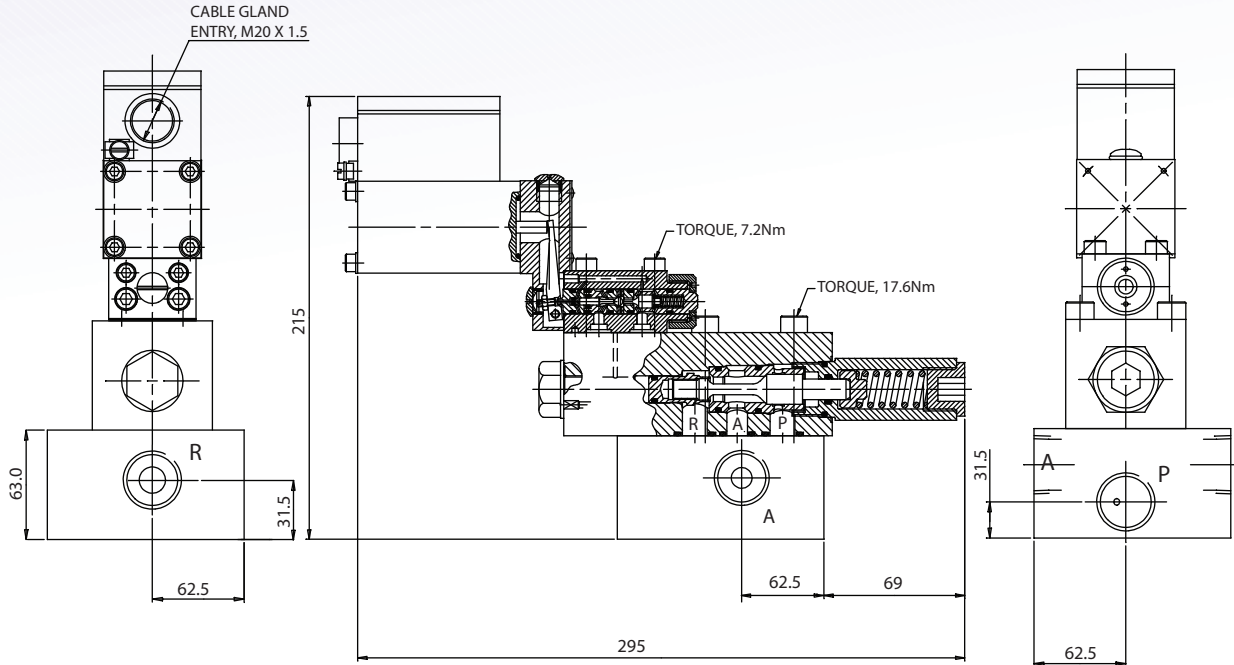
- Standard: -20°C to +60°C
- Low Temp: -50°C to +60°C

**Operating pressure range**

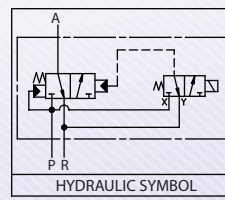
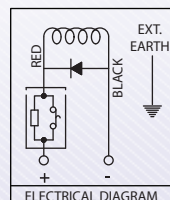
- 0 to 690 bar depending on operator type

**Fluid Media**

- Suitable for use with Mineral Oil, Synthetic and Water Glycol-type Fluids



Approximate Weight  
 With Subplate 11 kgs  
 Without Subplate 8 kgs



## MIDLAND- ACS VALVE CODING SYSTEM

DN25 - 200l/min										Valve Orifice Size & Nominal Flowrates (Water Glycol @ 10 Bar AP)						
2 = 210 4 = 400										Max Operating Pressure (Bar)						
2 3 4										No. of Ports						
2 3										No. of Positions						
1 - N/C 2 - N/O 4 - 4/2 5 - 4/3 open centre										Function						
A = non block before bleed B = block before bleed										Block Before Bleed						
2 = Oil 4 = Oil & Water Glycol										Operating Medium						
1 = Nitrile 3 = Flurosilicone (Low Temp)										Seals						
A = No Operator (Valve Only) B = Industrial Solenoid (DC & AC voltage) D = EExme II T6 3.5 watt solenoid - UL/CSA/INMETRO E = EExme II T4 8 watt solenoid - UL/CSA/INMETRO J = EExia IIc T6, <1 watt Atex K1 = EExd IIb T4 33 watt solenoid ATEX II 2G K2 = Exd IIC T6 3.5 watt solenoid ATEX II 2G - UL/CSA/INMETRO K3 = Exd IIC T5 8.0 watt solenoid ATEX II 2G - UL/CSA/INMETRO L = EExde IIb T4/T6 13 watt Non Atex N = Low pressure operator (gases) P = Medium pressure operator (hydraulic) R = High pressure operator (hydraulic) T = Manual palm push button V = Roller W = Cam X = Plunger Y = Fusible Bulb Z = Special Operator										Operator						
B = 24Vdc C = 48V dc D = 110V dc E = 220V dc F = 110V 50 Hz G = 110V 60 Hz H = 120V 60Hz J = 125V 50Hz K = 240V 50Hz 0 = No Voltage										Voltage						
O = Manual Over-Ride (Spring Return) M = Manual Reset D = Manual Detent A = Autoreset (Spring Return) B = Bi-stable Hydraulic Latch H = Hydraulic Over-Ride										Additional Features						
0 = Valve only (w/out subplate) 1 = Subplate Mounted 2 = Body Ported										Interface						
0 = valve only 5 = 1"										Port Size						
0 = Valve Only 1 = NPT 2 = BSPP 3 = BSPT 4 = MP 20,000 psi 5 = Special										Thread						
0 = No Extras 1 = 1/2" NPT cable entry 2 = position indicator proximity sensor 3 = external pilot supply 4 = external pilot drain 5 = hydraulic override										Special Features						
DN25	-	4	3	2	1	A	2	1	E	B	A	1	5	1	0	<b>Example</b>