Severe & Hazardous Area Experts

Metal to Metal seated

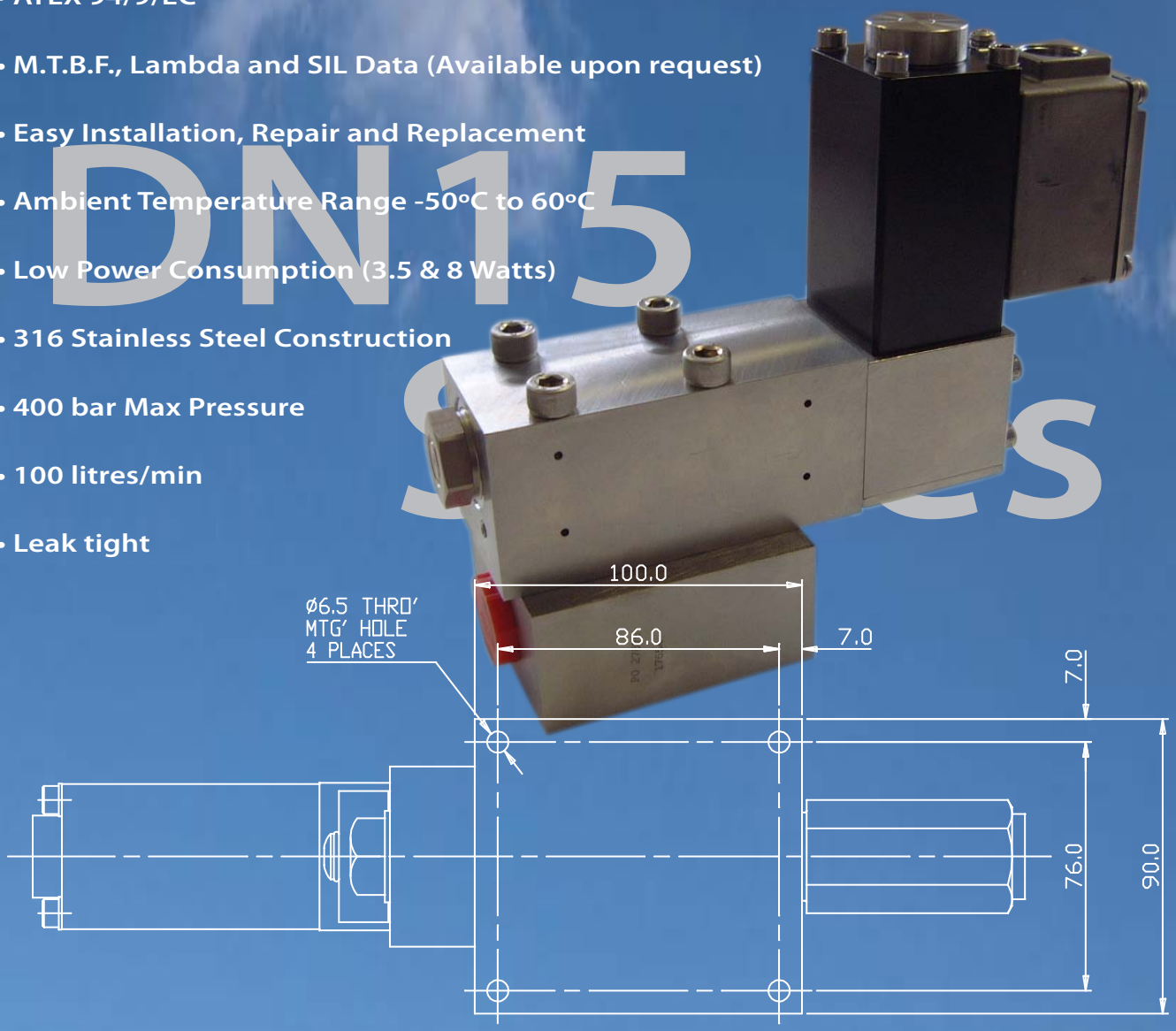
Hydraulic Solenoid Valve

DN15 Series

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
- 100 litres/min
- Leak tight

DN15 Series



INMETRO ATEX CSA

UL Ex PCT (GOST R)

Issued : 04/2007

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Metal to Metal Seated

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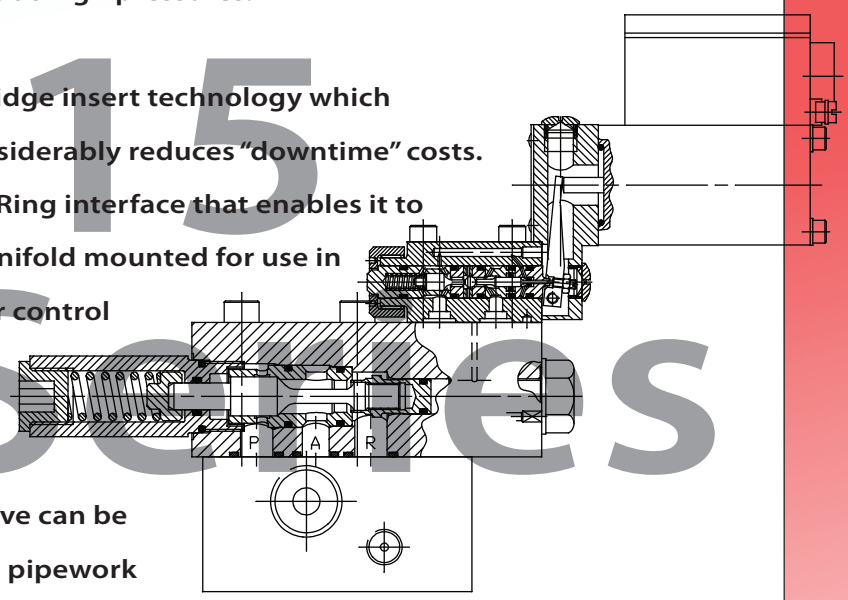
DN15 Series

General Description

The DN15 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.

DN15 Series

The DN15 Mainstage uses cartridge insert technology which simplifies replacement and considerably reduces "downtime" costs. Features of the DN15 are an 'O' Ring interface that enables it to be fitted with a subplate, or manifold mounted for use in local control panels for actuator control applications.



By removing just 4 bolts the valve can be dismounted 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 400 bar depending on operator type

Fluid Media

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

(GOST R) INMETRO ATEX

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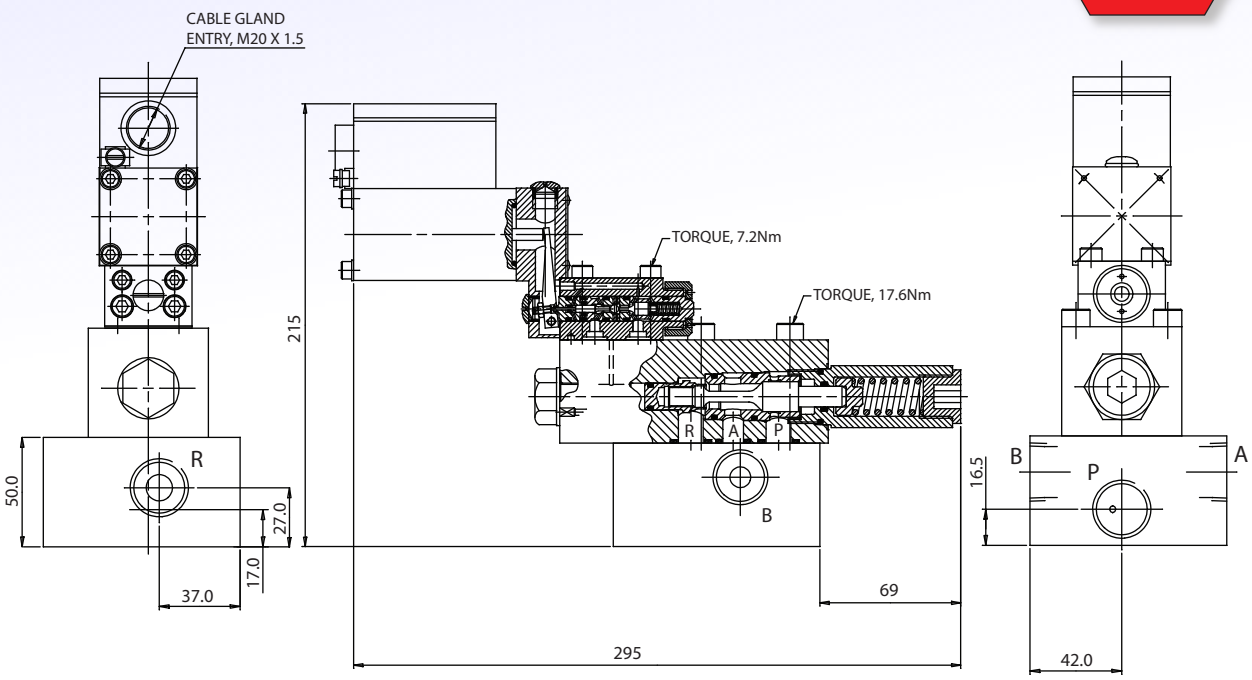
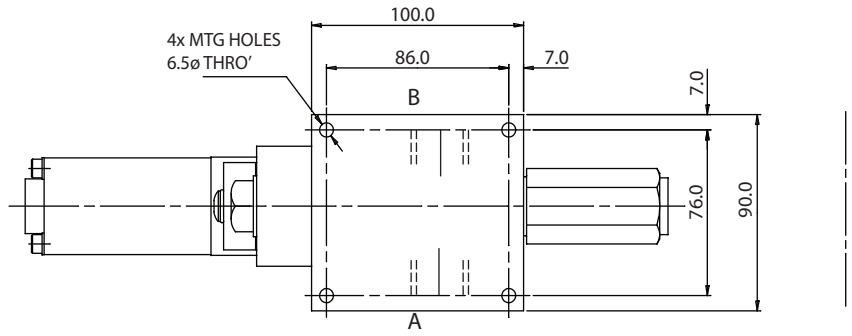
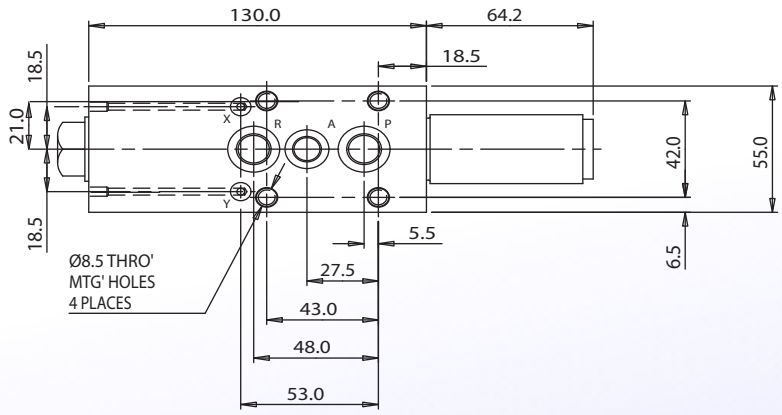
Metal to Metal Seated Hydraulic Solenoid Valve

DN15 Series

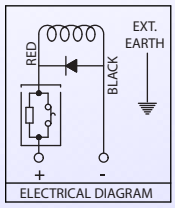


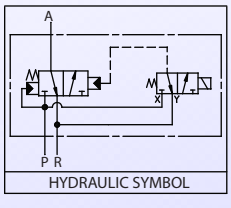




PORT	DIA.	'O'RING
A	10.0	12.0 x 2.5
P & R	12.0	15.6 x 2.4
X & Y	3.0	4.0 x 2.0

Approximate Weight
With Subplate 11 kgs
Without Subplate 8 kgs





Midland- ACS Valve Coding System 2007

DN15 - 100l/min	Valve Orifice Size & Nominal Flowrates (Water Glycol @ 10 Bar AP)	DN15
2 = 210 4 = 400	Max Operating Pressure (Bar)	4
2 3 4	No. of Ports	3
2 3	No. of Positions	2
1 - N/C 2 - N/O 4 - 4/2 5 - 4/3 open centre	Function	1
A = non block before bleed	Block Before Bleed	A
2 = Oil 4 = Oil & Water Glycol	Operating Medium	2
1 = Nitrile 3 = Flurosilicone (Low Temp)	Seals	1
A = No Operator (Valve Only) B = Industrial Solenoid (DC & AC voltage) D = EExme II T6 3.5 watt solenoid E = EExme II T4 8 watt solenoid J = EExia IIc T6 , <1 watt Atex K1 = EExd IIb T4 33 watt solenoid ATEX II 2G K2 = EExd IIC T6 3.5 watt solenoid ATEX II 2G K3 = EExd IIC T4 8.0 watt solenoid ATEX II 2G 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	E
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	B
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	A
0 = Valve only (w/out subplate) 1 = Subplate Mounted 2 = Body Ported	Interface	1
0 = valve only 4 = 3/4"	Port Size	4
0 = Valve Only 1 = NPT 2 = BSPP 3 = BSPT 5 = Special	Thread	1
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	0
DN15 - 4 3 2 1 A 2 1 E B A 1 4 1 0	Example	