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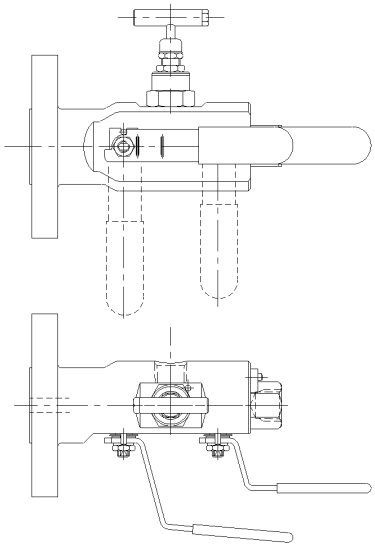
Product Data Sheet	D Type Double Block and Bleed Valve



The 'D' Type DBB Ball/Needle/Ball Valve is designed for applications where safety and reliability are paramount. Encompassing Oliver Valves proven ball and needle valve designs into a single one piece forged body; the design offers primary and secondary isolating ball valves, with a needle valve vent. Available in various bore sizes, all D type valves are Firesafe approved and conform to NACE MR-01-75 latest revision for sour gas service. A variety of body and trim materials are available.

Key Features of the Oliver D Type Double Block and Bleed Valve range

- Unique enclosed soft seats on the primary and secondary isolate giving positive sealing and low torque operation across the pressure range
- Precision, rugged one-piece spindle with anti-blowout shoulder that maintains seal integrity at all pressures. Anti-vibration lock nuts fitted as standard
- Precision machined ball for smooth operation through 90 degrees to give straight through bore
- Fully Firesafe approved to BS6755 Part 2 and API607 Rev 4. Conforms to the latest revision of NACE MR-01-75 for sour gas service
- Meets the required relevant standards of ASME VIII, ANSI B16.34/B16.5, ANSI B31.3 and API 6D

Standard Specification

Pressure: In accordance with relevant ANSI or API flange rating	Seals: Grafoil	Temp: 200 deg C	
Seats: PTFE/KEL-F (10mm) or PEEK (14, 20mm)		Thread form: NPT	Handle: Lever

Ordering Code

(Typical example) →	DBB	/	D	/	S	/	X	/	10-1500 RTJ	/	50F	/	25F	/	FS/HL/NA

Model

DBB Double Block and Bleed

Type

D - Ball/Needle/Ball

Material

C - A350 LF2 Carbon Steel
S - ASTM A182 F316 Stainless Steel
DUP - ASTM A182 F51 Duplex
F55 - ASTM A182 F55 Super Duplex
M - Monel (400)
(Others Available)

Size (bore sizes available)

0.40" (X=10mm)
0.55" (Y=14mm)
0.80" (Z=20mm)

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Connections (Process)

Flange Size
50 - 1/2”
75 - 3/4”
10 - 1”
150 - 11/2”
20 - 2”
30 - 3”

Class
150 - 150lb
300 - 300lb
600 - 600lb
900 - 900lb
1500 - 1500lb
2500 - 2500lb

Flange Type
RTJ - Ring Type Joint
RF - Spiral Finish Raised Face

Connections (Instrument)

Connection Size
25 - 1/4”
38 - 3/8”
50 - 1/2” (Std)
75 - 3/4”
10 - 1”

Optional Connections
NPT STANDARD
BP - BSP parallel pipe thread
BT - BSP taper pipe thread
BW - Butt Weld (4” extensions)
BI - Twin Ferrule, Compression fitting
SW - Socket Weld (4” extensions)

Connection Type
F - Female thread
M - Male thread

PP - Blank plug fitted

Connections (Vent)

Connection Size
25 - 1/4”
38 - 3/8”
50 - 1/2” (Std)

Optional Connections
NPT STANDARD
BP - BSP parallel pipe thread
BT - BSP taper pipe thread

Connection Type
F - Female thread

PP - Blank plug fitted

Options

ATV - Anti-tamper on vent valve
FS - Firesafe (API 607 and API 6FA and BS 6755 Part 2
HL - Handle locking
NA - NACE MR-01-75 (latest revision)

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