



MANIFOLD VALVES

THE
STANDARD IN
**NON-
STANDARD
VALVES**



GENERAL INFORMATION

A Manifold Valve is a specially designed, jacketed three way valve. The Manifold Valve consists of two hand operated valves, which open normally, and one pneumatically actuated valve, which closes normally. Together with our Angle Valve, the Manifold Valve is installed on the process line coming from the urea reactor.

The Manifold Valve operates at approximately 150 Bar at a temperature of +180°C.

Merwede's Manifold Valve is designed and developed back in the 80's. In close cooperation with OEM of N/C metering skids the Merwede's Steam jacketed Manifold Valves to serve the demanding urea plants "N/C" metering systems.

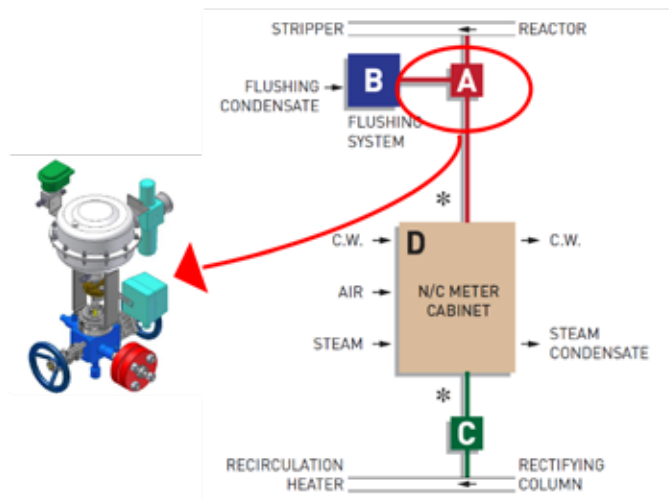
Since the 80's the Manifold Valve was more fine-tuned on the design and actuation, which led to the latest design of this type of valve.

SUITABLE APPLICATIONS

- Oil & Gas
- Chemicals
- Power plants
- Fertilizer plants
- Urea plants

UNIQUE FEATURES

- Actuator operated
- Integral back seat
- Anti Blow-out
- Safety Stop
- Steam Jacket



TECHNICAL SPECIFICATIONS

PROGRAM

Size inch (DN)	1/2" (15) - 1" (25)
ANSI class (lbs)	150 - 4500
API rating (psi)	3000 - 15000
DIN rating (PN)	20 - 750

STANDARDS

ASME B16.34
API 6D
DIN
PED
Manufacturers standard

RANGE

Pressure (bar)	Vacuum to 1034 bar(g)
Pressure (psi)	Vacuum to 15000 psi
Temperature (°C)	-46°C to +538°C
Temperature (°F)	-50°F to 1000°F

CONSTRUCTION

Modular
Threaded Bonnet
OS&Y
Manufacturers standard

SEAT CONSTRUCTION

Metal to Metal

OPTIONS FOR METAL SEATS

Tungsten Carbide Coating
Stellite

TIGHTNESS PERFORMANCE

ISO 5208
EN 12266 Part 1/2
Client specification

END CONNECTIONS

Flanged (FF / RF / RTJ)
Butt Weld
Socket weld
Threaded Male/Female (NPT / BSP / API)
Hubbed or Mechanical Ends
SAE flanged
Compact flanged
Client specification



Manifold Valve 1/2" PN 250 incl.

Angle Needle Valve 1/2" PN 250



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