



INSTRUMENTATION VALVES

THE
STANDARD IN
**NON-
STANDARD
VALVES**



GENERAL INFORMATION

Instrumentation valves are critical components in the management and control of fluid systems in various industrial processes. These valves are designed to ensure precise control, isolation, and direction of fluid flow within instrumentation systems, which are used to measure, monitor, and control pressure, temperature, flow, and other parameters.

These valves require a different (engineering) approach than other valves in the industry. However, for us, these valve types are common practice. From needle valves, straight type to customized manifold valves with optimal CV values.

SUITABLE APPLICATIONS

- Oil and Gas Industry
- Chemical Processing
- Power Generation
- Water Treatment
- Pharmaceutical industry
- HVAC systems
- Hydraulic & Pneumatic systems
- Marine industry
- Food & Beverage industry

UNIQUE FEATURES

- Compact and modular design
- Multiple flow parts
- High pressure resistance
- High temperature resistance
- Busy maintenances
- Tight shut off
- Corrosion & Chemical resistance

TECHNICAL SPECIFICATIONS

PROGRAM

Size inch (DN)	½"(15) – 2"(50)
ANSI class (lbs)	150 - 4500
API rating (psi)	3000 - 15000
DIN rating (PN)	10 - 400

STANDARDS

ASME B16.34
DIN
PED
Manufacturers standard

RANGE

Pressure	Vacuum to 1034 bar(g)
Pressure	Vacuum to 15000 psi
Temperature	-196 °C to 850 °C
Temperature	-320 °F to +1562° F

CONSTRUCTION

Modular
Manufacturers standard

TIGHTNESS PERFORMANCE

ISO 5208
EN 12266 Part 1/2
Client specification

END CONNECTIONS

Flanged (FF, RF or RTJ)
Butt weld
Socket weld
Threaded male/female (NPT, BSP, API)
Hubbed or mechanical ends
SAE flanged
Compact flanged
Clients' specification



DBB Ball Valve 2.1/16" – 10000 PSI RTJ



Manifold Valve 1/2" PN250



The standard in **NON-STANDARD VALVES**

Moerbei 15
3371 NZ
Hardinxveld-Giessendam
The Netherlands

T: +31 (0)184 - 67 78 70
info@merwedevalves.nl
www.merwedevalves.nl