

Needle Monoflange Valve - DBB Mono OS&Y Needle Anti Tamper

One piece compact solutions designed to replace conventional multi-valve installations in measuring systems with reduced number of leak paths.



GENERAL CONSTRUCTION

Needle valves have no ball and are mainly used for flow metering and damping pressure fluctuations as instrument valves. These valves are designed to replace conventional multi-valve installations into a single manifold reducing leaking points and allowing easy and quick installation in vertical or either in horizontal position with considerable cost savings.

MATERIALS OF CONSTRUCTIONS

Low Temperature and Low Alloy Carbon Steel Stainless steel, Duplex and Super Duplex, Nickel alloys, Titanium, Bronze

APPLICATIONS

UTILITY - INSTRUMENT

STANDARD FEATURES

Construction	One-piece flange
Leakage rate	Bubble tight shut-off
Stem retention	Anti-blow-out stem
Materials	EN 10204 3.1 Materials in Sour Service to NACE MR0175, MR0103, ISO 15156, Non-destructive testing (NDT) to API 6D, ASME B16.34
Design features	Compact design with double block & bleed assemblies with minimal potential leak paths Non rotating needles Anti-tamper device Combined needles and outside screw and yoke (OS&Y) Low emission packing Metal seated
Vent	1/2" NPTF
Valve operation	Hand-wheel, T-Lever
Valve testing	API 6D, ASME B16.34, API 598

TECHNICAL DATA

Applicable standard	ASME B16.5, ASME B16.34, API 6A, API 6D
Pressures range	ASME class 150 to 2500 API 6A class 2000 to 15000
Size range	DN15 (1/2") to DN75 (3")
End connections	ASME B16.5 Flanged RF, RTJ ASME B1.20.1 Threaded NPT (F/M)

APPROVALS

Fire Safe	Optional API 607/BS6755
Area Classification	ATEX 94/9/EC
Pressure	PED 97/23/EC
Equipment Directive	