

Valves

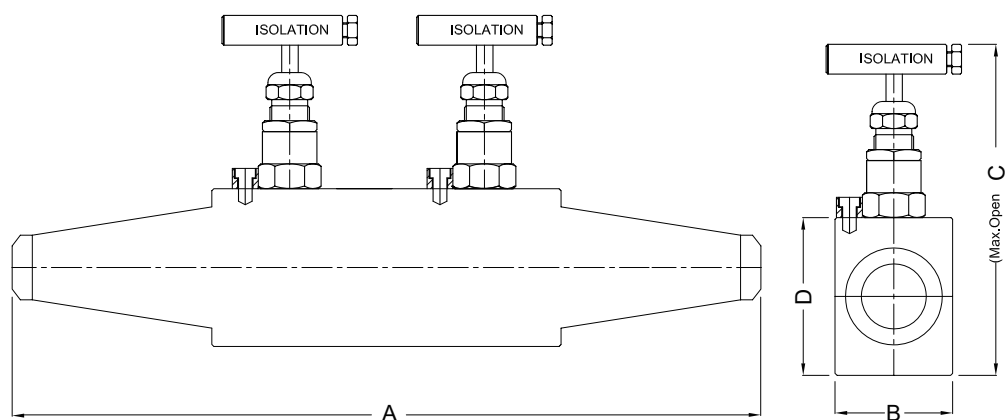
DECON range of Needle Valves

- DECON Needle Valves have excellent flow regulation and leak tightness. The operation is smooth, easy, low-torque & long life.
- Internal surfaces & threads are 100% free from burrs & other foreign particles.
- DECON offers Valves with Non-Rotating Tip Stem (NRT) thereby providing tight, repeatable shutoff without the galling or cross-scoring that occurs on V & ball-type stems.
- The NRT conical stem tip stops rotating when it contacts the seat so that any further torque turns the stem and not the tip. Furthermore, the conical stem tip seats in the same place every time - the more often the valve is seated, the better the mating with the seat is achieved. By contrast, the 'V' & ball-type tip does not seat in the same place every time, as the tip has no consistent axis of rotation. Consequently, every time the valve seats, a new seat mark is scored on the tip, creating multiple potential leak paths.

DECON Needle Valves are manufactured in:

Design	Screwed Bonnet / Integral (Union) Bonnet
Spindle Tip	Non-Rotating Tip: "Vee" Type & Ball Type (Tungsten Carbide); Rotating Tip : "Vee" type only
Seat	Metal to Metal, Stellite, Teflon
Packing	Standard-PTFE. Optional GRAPHOIL, PEEK
Patterns	Straight / Angle
Pressure Rating	PTFE: 6,000 PSI & High Pressure up to 15,000 PSI; GRAPHITE: 4,500 PSI
End Connections	NPT/Flanged/BSPT/BSPP as standard. Butt Weld, Socket Weld, DECON Fittings as per your requirements
Handle & Bolts	Standard: CS Powder coated / SS Bar Type
M.O.C.	Body-ASTM A182 F 316(L), 304(L) etc. All other spares in ASTM A 479/A276 Gr. 316(L), 304(L)
Other M. O. C's	Titanium, Monel, Hastelloy C. etc.; Products can be supplied to conform to NACE MR 0175
Temperature	PTFE: Max. up to 232 °C; GRAPHITE: Max. up to 648 °C
Orifice Dia	4mm to 20mm
Size	1/8" -1"; 6mm-38mm
Lubrication / Sealant	Anti-Seize: NEVER-SEEZ; Thread Sealant: LOCTITE 542
Testing	Standard : Hydro Test, Pneumatic Test, Nitrogen Test; Optional : Vibration, Temperature Cycling, Helium etc

INSTRUMENTS DOUBLE NEEDLE VALVE



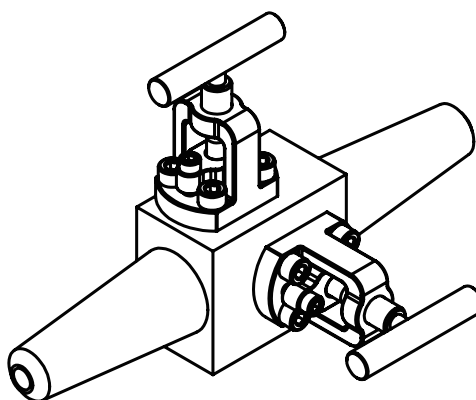
Basic Ordering Number	Connection Type and Size		Orifice (mm)	Cv	Dimensions(mm)			
	Inlet	Outlet			A	B	C	D
20272-90108-	1/2" PBW	1/2" PBW	11.00	2.52	380.00	50.00	155.00	70.00
20272-80108-	1/2" TBW	1/2" TBW						
20272-90112-	3/4" PBW	3/4" PBW						
20272-80112-	3/4" TBW	3/4" TBW						
20272-91108-	1/2" PSW	1/2" PSW						
20272-81108-	1/2" TSW	1/2" TSW						
20272-91112-	3/4" PSW	3/4" PSW						
20272-81112-	3/4" TSW	3/4" TSW						

Ordering Information

- Standard body material is 316 SS, and stem packing is Graphite for temperature services 648 °C, Class 2500.
Standard disc and seat material is 316+STL;
Add material designator designator as the suffix to the basic ordering number to get the complete ordering number.
Example: 20272-90108-B120-P30
- Contact the authorized representative or DECON if any request.

Material	Designator	Packing	Designator
316 SS	-B100	PTFE	-P10
304 SS	-B110	PEEK	-P20
321 SS	-B120	Graphite	-P30
Monel	-B270		
347 SS	-B130		
Incoloy825	-B320		

20272S OS&Y Series



Basic Ordering Number	Connection Type and Size		Orifice (mm)	Cv
	Inlet	Outlet		
	(Tube Butt Weld)	(Tube Butt Weld)		
20272S-80214-	14mm TBW	14mm TBW	11.00	2.50
20272S-80216-	16mm TBW	16mm TBW		
20272S-80218-	18mm TBW	18mm TBW		
20272S-80220-	20mm TBW	20mm TBW		
20272S-80225-	25mm TBW	25mm TBW		
	(Pipe Socket Weld)	(Pipe Socket Weld)		
20272S-91108-	1/2" PSW	1/2" PSW	11.00	2.50
20272S-91112-	3/4" PSW	3/4" PSW		
20272S-91116-	1" PSW	1" PSW		

Ordering Information

- Standard body material is 316 SS, and stem packing is PTFE for temperature services 232 °C, Class 2500.
Add material designator designator as the suffix to the basic ordering number to get the complete ordering number.
Example: 20272S-91112-B100-P10-100M-XXS
- To order Graphite stem packing for temperature services 648 °C, add a designator as a suffix to the ordering number.
Example: 20272S-91112-B100-P30-100M-XXS
- Contact the authorized representative or DECON if any request.

Material	Designator	Packing	Designator
316 SS	-B100	PTFE	-P10
304 SS	-B110	PEEK	-P20
321 SS	-B120	Graphite	-P30
Monel	-B270		