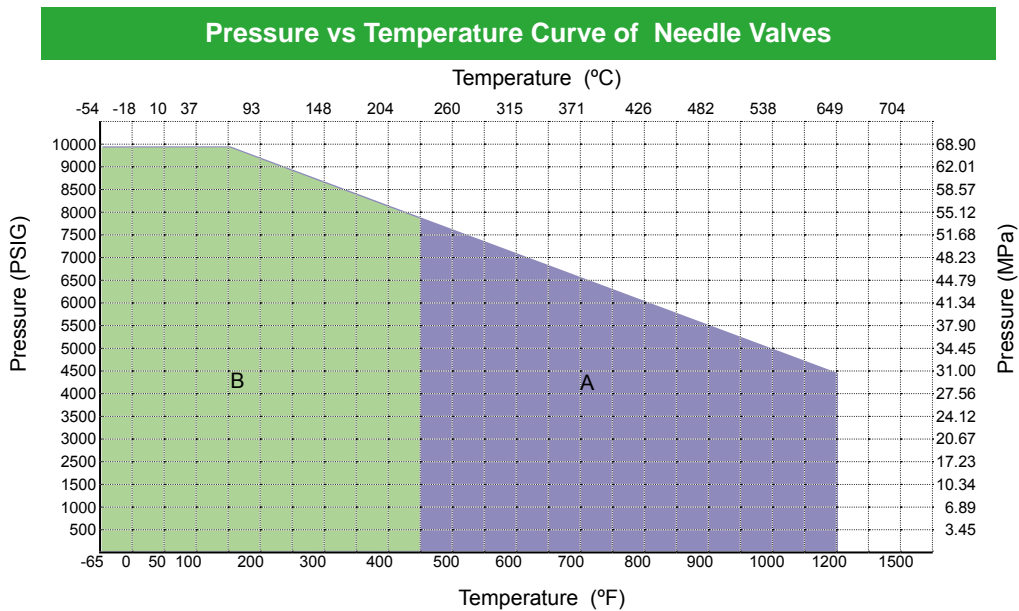


## 20240 Series High Pressure Needle Valves (4500 Class)

### Features

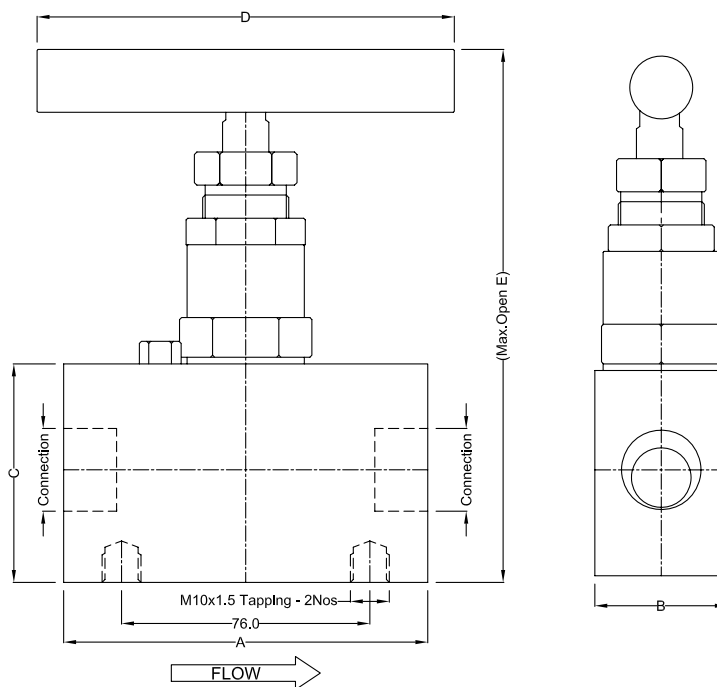
- Maximum working pressure: Stainless steel: ≤10000 psig (≤700 bar), Alloy C-276: 10000 psig (≤700 bar).
- Working temperature: PTFE packing: -65°F to 450°F (-54°C to 232°C), Graphite packing: -65°F to 1200°F (-54°C to 649°C).
- Stem has rolled threads for smooth action, strength, & long life. Stem threads above packing, no process contamination or lube washout.
- Metal to metal seal with body and settlited tip suitable for high pressure temperature applications.
- Safety back seating seals in fully open position and non-rotating needle tip.
- Removable 'T' Bar handle aids low torque operation and is available with anti-tamper or locking device.
- Leak-tight performance testing for every valve with nitrogen at the maximum working pressure.



A area - For 316SS Severe Service 10000 PSIG Needle Valves with Graphite Packing.  
 B area - For 316SS Severe Service 10000 PSIG Needle Valves with PTFE Packing.

## 20240 Series High Pressure Needle Valves (4500 Class)

### Dimensions



Basic Ordering Number	Connection Type & Size		Orifice (mm)	Cv	Dimensions (mm)				
	Inlet	Outlet			A	B	C	D	E
20241-81214-	14mm TSW	14mm TSW	6.25	0.85	64.0	32.0	15.0	127.0	175.0
20241-81216-	16mm TSW	16mm TSW	6.25	0.85	64.0	32.0	15.0	127.0	175.0
20241-81216-81214-	16mm TSW	14mm TSW	6.25	0.85	64.0	32.0	15.0	127.0	175.0
20242-81214-	14mm TSW	14mm TSW	11.10	2.20	64.0	32.0	15.0	127.0	175.0
20242-81216-	16mm TSW	16mm TSW	11.10	2.20	64.0	32.0	15.0	127.0	175.0
20242-81216-81214-	16mm TSW	14mm TSW	11.10	2.20	64.0	32.0	15.0	127.0	175.0
20244-81225-	25mm TSW	25mm TSW	20.0	5.10	110.0	40.0	64.0	127.0	175.0
20244-81228-	28mm TSW	28mm TSW	20.0	5.10	110.0	40.0	64.0	127.0	175.0
20244-81232-	32mm TSW	32mm TSW	20.0	5.10	110.0	44.0	64.0	127.0	175.0
20242-81108-	1/2" TSW	1/2" TSW	11.10	2.50	64.0	32.0	115.0	127.0	175.0
20242-81112-	3/4" TSW	3/4" TSW	11.10	2.50	64.0	32.0	115.0	127.0	175.0
20241-91104-	1/4" PSW	1/4" PSW	6.25	0.86	64.0	32.0	115.0	127.0	175.0
20241-91108-	1/2" PSW	1/2" PSW	6.25	0.86	70.0	38.0	130.0	127.0	175.0
20242-91108-	1/2" PSW	1/2" PSW	11.10	2.50	70.0	38.0	130.0	127.0	175.0
20242-91112-	3/4" PSW	3/4" PSW	11.10	2.50	70.0	38.0	130.0	127.0	175.0

### Ordering Information

- Standard body material is 316 SS, and stem packing is PTFE for temperature services 250 °C, Class 4500. Add material designator as the suffix to the basic ordering number to get the complete ordering number. Example: 20242-81216-B100-P10
- To order Graphite stem packing for temperature services 648 °C, Class 4500. add a designator as a suffix to the ordering number. Example: 20242-81216-B100-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		