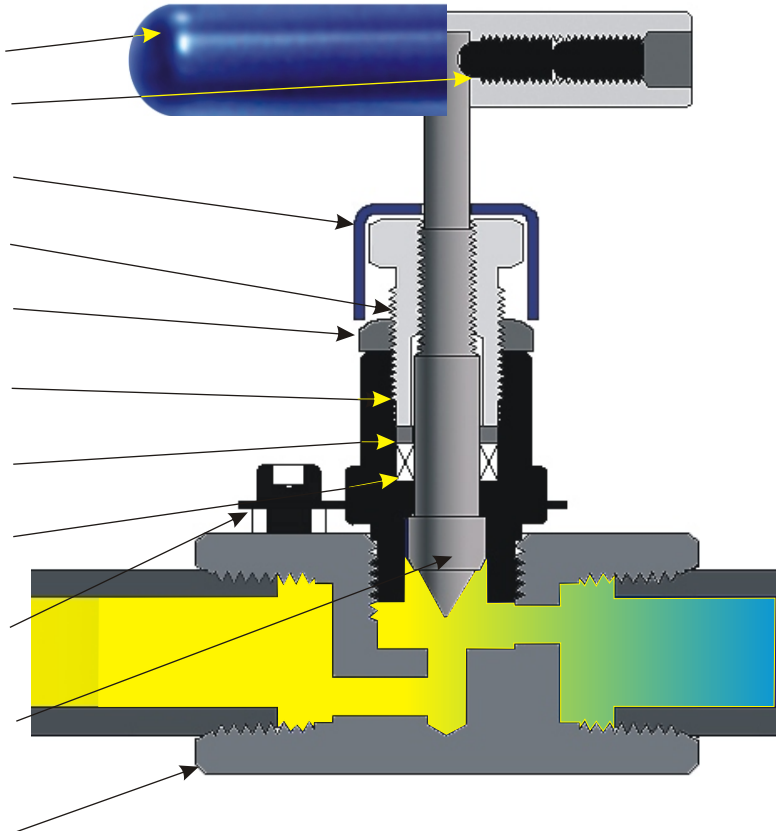


Bonnet Advantages

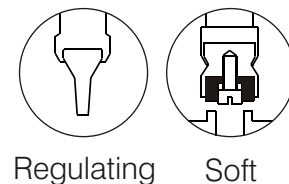
- Plastic Sleeve (anti-shock) with SS T-bar handle
(Nylon knob handle optional)
- Double Grub Screw for Anti Vibration Hold
- SS / Plastic Dust Caps to indicate application.
(Red - Drain, Green - Equalizer, Blue - Isolate)
- Silver plated Bonnet Pusher for Anti Galling / Freezing.
(Material same as Body, Bonnet and Spindle)
- Bonnet pusher Locking Nut.
(Material same as Body, Bonnet and Spindle)
- Bonnet with blow out proof Stem Design
(Material same as Body, Bonnet pusher and Spindle)
- Packing Washer
(Material same as Body, Bonnet and Spindle)
- Teflon Packing (Standard)
(Choice of Packing available. Refer Ordering Instructions)
- Strong, adjustable Locking Arrangement
(Locking Pin also available)
- Spindle Non Rotating Tip, Thread Rolled and burnished.
(Material same as Body and Bonnet, Shut-Off Tip (standard)
Choice of Regulating and Soft Tip (optional))
- Body
(Choice of Material available. Choice of End Connection,
Tube Fitting/NPT/ISOT/ISOP/Weld, Refer Ordering Instructions)



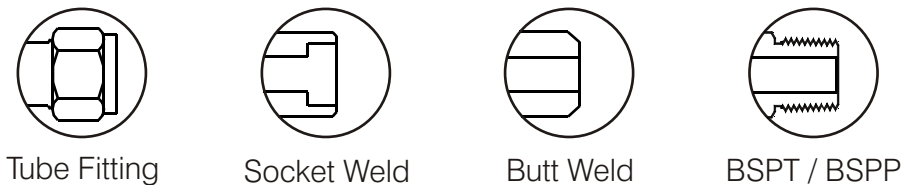
Dust Caps Color Coding



Spindle Tip Options



End Connection Options



End Connection Legends

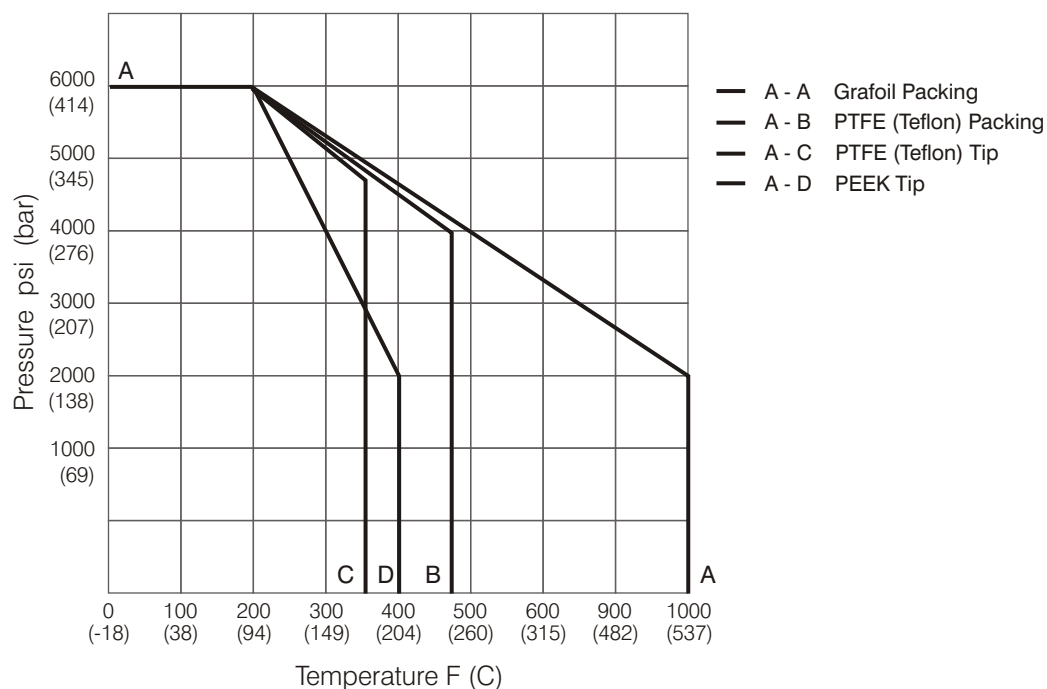
End Connections	Legends
NPT (Male)	M
NPT (Female)	F
Tube Fitting (Fractional)	T
Tube Fitting (Metric)	MT

End Connections	Legends
ISOT (BSPT)	IT
ISOP (BSP)	IP
Socket Weld	SW
Butt Weld	BW

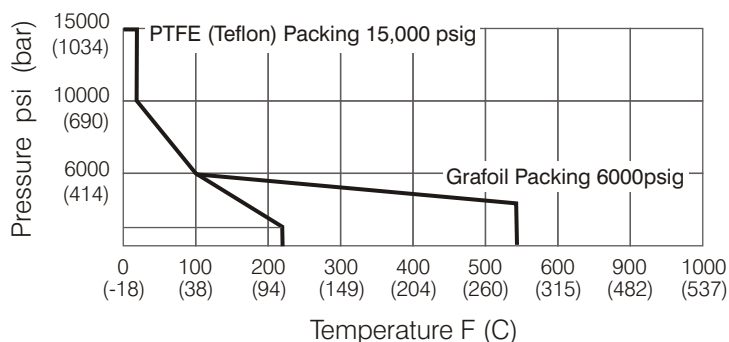
Pressure & Temperature Rating

Material	Bar Stock	Forgings	Pressure & Temperature Rating	
			PTFE	Grafoil®
SS 316/316L	ASTM A 276	ASTM A182	6000 psi @ 200 F	6000 psi @ 200 F
	ASME SA 479	ASME SA182	4000 psi @ 500 F	4000 psi @ 500 F
Brass	ASTM B 16	ASTM B 283	3000 psi @ 200 F	3000 psi @ 200 F
	ASTM B 453		2000 psi @ 500 F	2000 psi @ 500 F
Carbon Steel	ASTM A 108	--	6000 psi @ 200 F	6000 psi @ 200 F
			4000 psi @ 500 F	4000 psi @ 600 F
Alloy 400 / R-405	ASTM B 164	ASTM B 564	6000 psi @ 200 F	6000 psi @ 200 F
	ASME SB 164	ASME SB 564	4000 psi @ 500 F	3000 psi @ 500 F
Alloy 600	ASTM B 166	ASTM B564	6000 psi @ 200 F	6000 psi @ 200 F
	ASME SB 166	ASME SB564	4000 psi @ 500 F	3000 psi @ 500 F
Alloy 20	ASTM B 473	ASTM B 462	6000 psi @ 200 F	6000 psi @ 200 F
			4000 psi @ 500 F	3000 psi @ 500 F
Alloy C276	ASTM B 574	ASTM B 564	6000 psi @ 200 F	6000 psi @ 200 F
			4000 psi @ 500 F	3000 psi @ 500 F
Titanium	ASTM B 348	ASTM B 381	6000 psi @ 200 F	6000 psi @ 200 F
			4000 psi @ 500 F	3000 psi @ 500 F
SAF 2507™	ASTM A 479	ASTM A 182	6000 psi @ 200 F	6000 psi @ 200 F
			4000 psi @ 500 F	3000 psi @ 500 F

Pressure Vs Temperature Metal to Metal Seat / Soft Tip



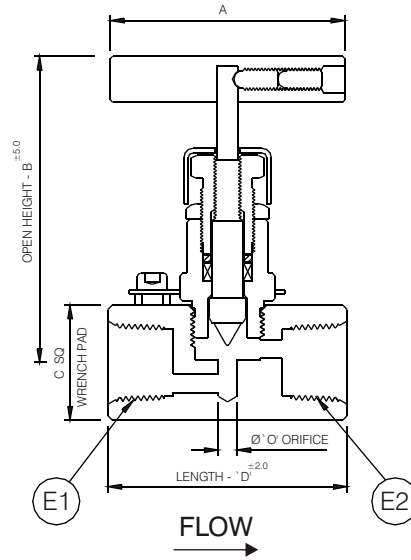
Pressure Vs Temperature Metal to Metal Seat for Heavy Duty Valves



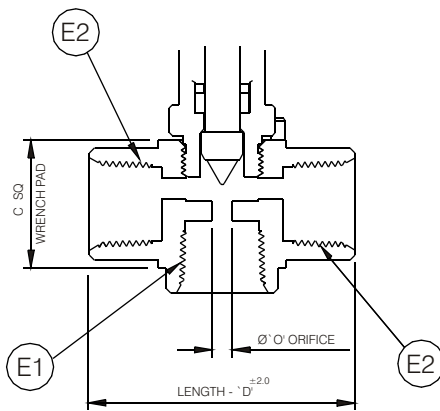
Screwed Bonnet Needle Valve
SNV - series

Purpose

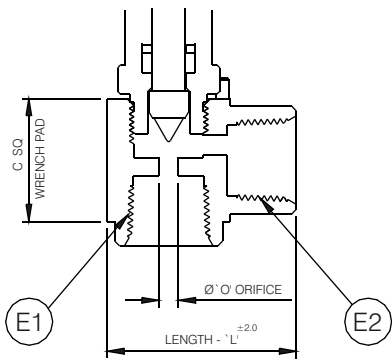
This hand operated needle valve is design for screwed bonnet assembly in bar stock for Isolation of various medium with variety of inlet and outlet port connection in different types.



SNVS series
(Straight Type)



SNVC series
(Cross Type)



SNVA series
(Angle Type)

Basic Part number	Orifice 'O'	Connection size		Dimensions				
		E1	E2	A	B	C	D	L
SNV-2T	2.3	1/8T	1/8T	50	68	25	54	39
SNV-2F-2T		1/8F	1/8T				48	39
SNV-3MT		3MMT	3MMT				54	39
SNV-4F-3MT	2.4	1/4F	3MMT				53	39
SNV-3T		3/16T	3/16T				56	40
SNV-4MT		4MMT	4MMT				56	40
SNV-4T	4.0	1/4T	1/4T				59	41
SNV-4F-4T		1/4F	1/4T				56	41
SNV-6MT		6MMT	6MMT				59	41
SNV-4F-6MT		1/4F	6MMT				55	45
SNV-5T		5/16T	5/16T				61	42
SNV-8MT		8MMT	8MMT				61	42
SNV-6T		3/8T	3/8T	62	43			
SNV-4F-6T		1/4F	3/8T	57	43			
SNV-10MT		10MMT	10MMT	63	43			
SNV-4F-10MT		1/4F	10MMT	57	43			
SNV-8T		1/2T	1/2T	67	45			
SNV-12MT		12MMT	12MMT	65	43			
SNV-10T	5/8T	5/8T	67	45				
SNV-16MT	16MMT	16MMT	68	46				
SNV-8F-8T	1/2F	1/2T	65	46				
SNV-8F-12MT	1/2F	12MMT	65	46				
SNV-18MT	18MMT	18MMT	68	46				
SNV-8F-12T	1/2T	3/4T	67	46				
SNV-2M	4.0	1/8M	1/8M	50	68	25	44	34
SNV-2F		1/8F	1/8F				44	34
SNV-2MF		1/8M	1/8F				44	34
SNV-2FM		1/8F	1/8M				44	34
SNV-4M		1/4M	1/4M				52	38
SNV-4F		1/4F	1/4F				52	38
SNV-4MF		1/4M	1/4F				52	38
SNV-4FM		1/4F	1/4M				52	38
SNV-6M		3/8M	3/8M				52	38
SNV-6F		3/8F	3/8F				52	38
SNV-6MF		3/8M	3/8F				52	38
SNV-6FM		3/8F	3/8M				52	38
SNV-8F	1/2F	1/2F	62	32				
SNV-8MF	1/2M	1/2F	62	32				
SNV-8FM	1/2F	1/2M	62	32				
SNV-12M	3/4M	3/4M	62	38				
SNV-12F	3/4F	3/4F	62	38				
SNV-12MF	3/4M	3/4F	62	38				
SNV-12FM	3/4F	3/4M	62	38				

Note : - 1) End Connection of different size can be provided on request.
2) Dimension in millimeter are for reference only and are subject to change
3) Refer legend of end connection on Page No 2.