

NOSHOK Needle Valves Reference Chart

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		Mini		Multiport		Standard		Block & Bleed		Bleed		2-Valve Block & Bleed		3-Valve Double Block & Bleed
		Hard Seat	Soft Tip	Hard Seat	Soft Seat	Hard Seat	Soft Seat	Hard Seat	Soft Seat	Hard Seat	Soft Tip	Hard Seat	Soft Seat/Tip	Hard Seat
SERIES		100	150	200	300	400	500	600	700	800	850	2070	2170	3070
Materials	Zinc-Nickel plated Steel	*	*	*	*	*	*	*	*	*	*	*	*	*
	Electropolished 316 Stainless Steel	*	*	*	*	*	*	*	*	*	*	*	*	*
	360 Brass	*	*	*	*	*	*	*	*	*	*	*	*	*
Connections	1/8" NPT	*	*											
	1/4" NPT	*	*			*	*	*	*	*	*	*	*	*
	3/8" NPT					*	*							
	7/16"-20 UNF 2B	*	*			*	*							
	1/2" NPT			*	*	*	*	*	*	*	*	*	*	*
	1/2" NPT male - 1/4" NPT female					*	*							
	9/16"-18 UNF 2B	*	*											
	3/4" NPT					*	*							
	3/4" NPT male - 1/2" NPT female			*	*									
	1" NPT					*	*							
1-1/4" NPT					*	*								
1-1/2" NPT					*	*								
Valve Type	Male-Male	*	*											
	Male-Female	*	*	*	*	*	*	*	*	*	*	*	*	*
	Female-Female	*	*			*	*	*	*	*	*	*	*	*
	Female-Male											*	*	*
	Male-Male Angle	*	*											
	Male-Female Angle	*	*			*	*							
	Female-Female Angle					*	*							
	Male									*	*			
	Male-Female Extended											*	*	*
	Female-Male Extended											*	*	*
	Female-Female Extended											*	*	*
	Flange-Female													
	Flange-Flange													
Pressure Ratings	3,000 psi		*							*	*			
	6,000 psi	*	*		*		*		*	*	*		*	
	10,000 psi	*	*	*	*	*	*	*	*	*	*	*	*	*
Orifice Size	0.141"													
	0.156"													
	0.172"	*	*											
	0.187"			*	*	*	*	*	*	*	*	*	*	*
	0.375"					*	*					*	*	*
	0.438"					*	*							
Flow Coefficient (Cv)	0.38													
	0.42	*	*											
	0.44			*	*	*	*	*	*	*	*	*	*	*
	0.64				*									
	0.76					*	*		*				*	
	2.70					*	*							
	3.00													
	4.00						*							
Stem Seal	FKM	*	*	*	*	*	*	*	*	*	*	*	*	*
	PTFE	*	*	*	*	*	*	*	*	*	*	*	*	*
	EPDM	*	*	*	*	*	*	*	*	*	*	*	*	*
	FFKM	*	*	*	*	*	*	*	*	*	*	*	*	*
	NBR	*	*	*	*	*	*	*	*	*	*	*	*	*
Packings	PTFE	*	*	*	*	*	*	*	*	*	*	*	*	*
	Graphite	*	*	*	*	*	*	*	*	*	*	*	*	*
Soft Seats	Delrin®				*		*		*		*		*	
	PEEK				*		*		*		*		*	
	PCTFE				*		*		*		*		*	
Stem Tips	Rotating (316 Stainless)	*	*	*	*	*	*	*	*	*	*	*	*	*
	Delrin®		*								*		*	
	Non-rotating (316 Stainless)	*	*	*	*	*	*	*	*	*	*	*	*	*
	Ball (440C Stainless)	*	*	*	*	*	*	*	*	*	*	*	*	*
	Ball (carbide)	*	*	*	*	*	*	*	*	*	*	*	*	*
	Ball (ceramic)	*	*	*	*	*	*	*	*	*	*	*	*	*
	Ball (Monel)	*	*	*	*	*	*	*	*	*	*	*	*	*
	Regulating hard	*	*	*	*	*	*	*	*	*	*	*	*	*
	PCTFE		*								*		*	
	PEEK		*								*		*	
Regulating Delrin®		*								*		*		
Handles	Regulating PCTFE		*								*		*	
	Regulating PEEK		*								*		*	
	1-13/16" Mini "T" - HL1	*	*	*	*	*	*	*	*	*	*	*	*	*
	2-1/2" "T" - HL2	*	*	*	*	*	*	*	*	*	*	*	*	*
	1" Round Knurled - HL3	*	*	*	*	*	*	*	*	*	*	*	*	*
	1-3/8" Phenolic - HL4	*	*	*	*	*	*	*	*	*	*	*	*	*
	1-3/4" Phenolic - HL5	*	*	*	*	*	*	*	*	*	*	*	*	*
1-3/8" Mini "T" - HL7	*	*	*	*	*	*	*	*	*	*	*	*	*	
2-3/8" Phenolic - HL9	*	*	*	*	*	*	*	*	*	*	*	*	*	
Panel Mountings	1 Nut	*	*	*	*	*	*	*	*	*	*	*	*	*
	2 Nuts	*	*	*	*	*	*	*	*	*	*	*	*	*