Standard, Soft Seat





- 100% helium leak tested to 1 x 10⁻⁴ ml/s for performance and reliability
- Replaceable Acetal seat and straight through porting for bidirectional, high capacity flow and easy roddable cleaning
- Blow-out proof stem provides a secondary stem seal in the full open position
- FKM o-ring seal and PTFE back-up ring below the stem threads to protect from corrosion and galling; PTFE packing optional (certain NPT sizes only)
- · All stem threads are rolled for strength and ease of operation
- One-piece bonnet with a metal-to-metal seal to the valve body below the bonnet threads
- · Slotted spring pin to prevent accidental loosening
- · Vinyl dust cap for bonnet and stem (non-packing)

SPECIFICATIONS					
Materials	Zinc-Nickel plated Steel, electropolished 316 Stainless Steel*				
Connections	1/4", 3/8", 1/2", 3/4", 1", 1-1/4" & 1-1/2" NPT Male-female & Female-female configurations				
Pressure rating	6,000 psi @ 200 °F				
Orifice sizes	1/4" - 1/2" NPT: 0.187" 3/4" - 1-1/2" NPT: 0.438"				
Flow coefficient	1/4" - 1/2" NPT: C _V 0.76 3/4" - 1-1/2" NPT: C _V 4.0				
Stem seal & type	All 316 Stainless Steel stems with FKM o-ring and PTFE back-up ring below the threads, PTFE packing optional for 1/4", 3/8" & 1/2" NPT only				
Options	Panel mountings, o-ring materials, handles, packings, regulating stem and stem tips				
Weight	Approximately 1.3 lb. up to 1/2" Approximately 4.5 lb. Large Hex, Female-Female Approximately 6 lb. Large Hex, Male-Female				

^{*} All 316SS products meet the requirements of NACE MR0175/ISO 15156-3.

For NOSHOK Valves with Steel valve types:



WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

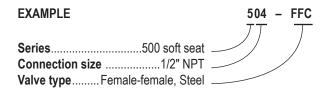
For NOSHOK Valves with Stainless Steel valve types:



WARNING: This product can expose you to chemicals including Chromium (VI) and Nickel, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

SERIES	5	500 Series, soft seat							
CONNECTION SIZES	02	1/4" NPT	04	1/2" NPT	80	1" NPT	12	1-1/2" NPT	\Box
	03	3/8" NPT	06	3/4" NPT	10	1-1/4" NPT	0402	1/2" NPT male - 1/4" NPT female	
VALVE TYPES	MFC	Male-Female, Steel			MFS	Male-Female, Stai	nless Steel		
	FFC	Female-Female, Steel		FFS	Female-Female, Stainless Steel				

Please consult your local NOSHOK Distributor or NOSHOK, Inc. for availability and delivery information.



To meet all of your specific application requirements, the following **additional options** are available for these needle valves. To order all or any of these options, simply add them to the part number as shown in the diagram below.

NOTE 1: The example shown includes ALL possible additional options. Please include ONLY the options required for your application when building your part number. (EXAMPLE: 504-FFC-HL5)

NOTE 2: When a packing option is selected, an o-ring option is NOT available.

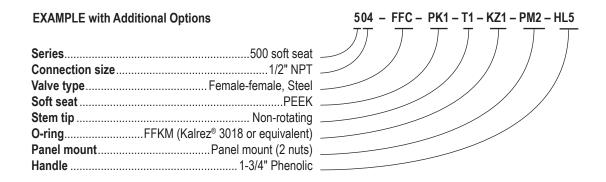
ORDERING INFORMATION - ADDITIONAL OPTIONS								
SOFT SEATS	PK1	PEEK	KF1	PCTFE				
PACKING [†]	P1	PTFE						
STEM TIP	T1	Non-rotating (316 Stainless)						
O-RINGS*	EM1	EPDM	KZ1	FFKM (Perfluoroelastomer)	NB1	NBR		
PANEL MOUNTINGS	PM1	Panel mount (1 nut)	PM2	Panel mount (2 nuts)				
HANDLES	HL4	1-3/8" Phenolic	HL5	1-3/4" Phenolic	HL9	2-3/8" Phenolic**		

Please consult your local NOSHOK Distributor or NOSHOK, Inc. for availability and delivery information.

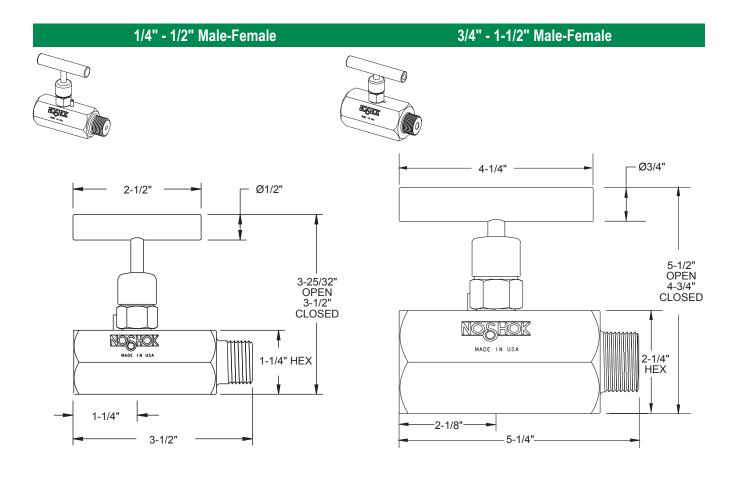
- † For 1/4", 3/8" and 1/2" NPT only.
- * Other o-ring materials available on request.
- ** For 3/4" NPT to 1-1/2" NPT only.

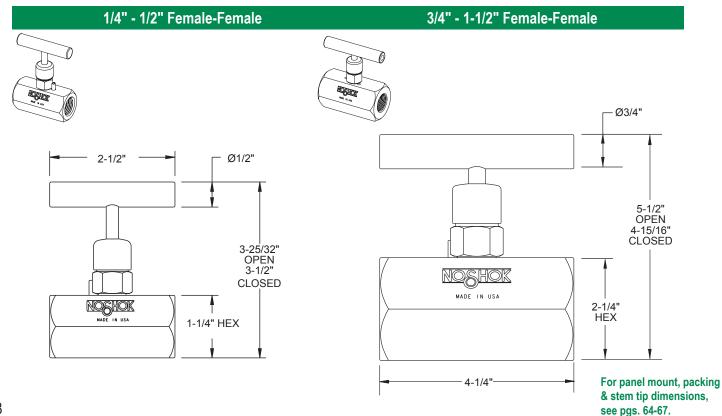
Please note that the standard o-ring in all the NOSHOK valves is FKM and the standard handles are "T" handles (HL2).

The handle material will always match the material of the valve, unless otherwise specified. For example, the "T" handle (HL2) on the 504-FFC will be Steel. When only the standard configuration is needed, no additional designations are necessary. Please consult the factory for special application requests.



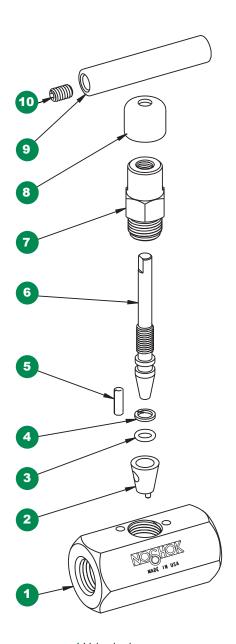
Dimensions



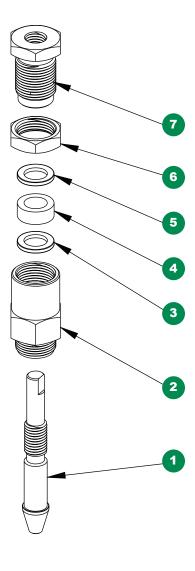


Standard, Soft Seat

Option With Packing



- 1 Valve body
- 2 Acetal seat
- 3 FKM o-ring
- 4 PTFE back-up ring 5 Slotted spring pin
- 6 Valve stem
- 7 Valve bonnet
- 8 Dust cap
- 9 Valve "T" handle
- 10 Set screw



- 1 Valve packing stem
- 2 Valve packing bonnet
- 3 Packing washer
- 4 Packing
- 5 Packing washer 6 Jam nut
- 7 Packing adjustment screw