

# KLN Series Needle Valves

Designed for the precise control of air and hydraulic fluids.

Precision-machined long tapered stem with fine threading provides exact control.

Lock nut provided to secure flow settings.

Durability provided by rugged, all metal construction with no plastic parts.

Steel valves are zinc plated and sealed with “golden” chromate for double corrosion protection.

## Specifications

Maximum Operating Pressure ...5000 PSIG Steel, 2000 PSIG Brass  
 Temperature Range .....-20°F to +212°F  
 Stem Taper .....8°  
 Stem Pitch .....40 Threads/Inch (1/8", 1/4", 3/8", 1/2" Sizes)  
 .....24 Threads/Inch (3/4", 1" Sizes)  
 CV Factor .....See Ordering Information

## Materials

Body .....12L14 Steel, ASTM B 16 Brass, or 303 Stainless Steel  
 Stem .....Stainless Steel or Brass  
 Knob .....Aluminum (1/8", 1/4", 3/8", 1/2" Sizes), Brass (3/4", 1" Sizes)  
 Chamber .....Steel (Zinc-Plated)  
 Lock Nut .....Brass  
 Stem Packing .....Viton O-Ring + “Teflon” Backup

**FLOW CONTROLS**

	Body Material	P (NPT) Female	D (In.) Hex	L (In.)	E (In.) Max.	Orifice Diameter (In.)	CV
KLN125B	Brass	1/8"	11/16"	1 1/2"	1 1/4"	.156	.25
KLN250B	Brass	1/4"	7/8"	2"	1 3/8"	.256	.39
KLN375B	Brass	3/8"	1/16"	2 1/4"	1 7/8"	.281	.93
KLN500B	Brass	1/2"	15/16"	2 21/32"	1 1/4"	.343	1.12
KLN750B	Brass	3/4"	1 5/8"	3"	1 3/5"	.156	2.00
KLN1000B	Brass	1"	1 5/8"	1 1/2"	1 7/8"	.256	.25
KLN125S	Steel	1/8"	11/16"	2"		.281	.39
KLN250S	Steel	1/4"	7/8"	2 1/4"		.343	.93
KLN375S	Steel	3/8"	1/16"	2 21/32"			1.12
KLN500S	Steel	1/2"	15/16"	3"			2.00
KLN750S	Steel	3/4"	1 5/8"				