

Nugget 200 Spool Valves

1/4", 3/8", or 1/2" Ports, Manual and Mechanical Actuated
 3/2, 5/2, & 5/3 Inline Valves

Long lasting spool design

High flow compact valves

Wide range of Manual and Mechanical Operators available

Three functional types available in 3/2, 5/2, and 5/3 configurations

Technical Data

Medium:

Filtered and lubricated or non-lubricated compressed air or vacuum.

Operation:

Spool valve manual or mechanical actuation.

Mounting:

Stacking – through holes on manifold base.

Inline – through holes in valve body.

Port Size:

1/4", 3/8", or 1/2" PTF, or 1/4", or 3/8" ISO-G

Operating Pressure:

Maximum 150 psig (10.3 bar).

Operating Temperature:

-20°F to 160°F (-29°C to 71°C)

Consult Technical Service for use below 35°F (2°C).

Materials:

Body: Aluminum

Spool: Anodized aluminum

Elastomers: Nitrile and special nitrile-based low-friction elastomers.

Stackable inline lockout valve (1/4")

Compliant with SEMI Standard S2-0200, section 17 "Hazardous Energy Control". This valve is lockable only in the position in which the hazardous energy is removed.

Order Information

K910121: Includes valve assembly with panel mount washer, nut, black knob and lockout key.

Kits

40164-K30: Includes cross bar and tie rods for connecting two valves for simultaneous operation of both valves. Additional kits may be used to create multi-valve manifolds.



Average Flow Factors in Cv± (l/min)

Valve	Port Size	Flow Path	
		Port 1 to 2 1 to 4	Port 2 to 3 4 to 5
3-Port, Inline	1/4"	1.6 (1600)	1.7 (1700)
	3/8"	1.6 (1600)	1.7 (1700)
5-Port, Inline	1/4"	1.6 (1600)	1.7 (1700)
	3/8"	1.6 (1600)	1.7 (1700)
	1/2"	1.6 (1600)	1.7 (1700)

± Flow Rating determined in accordance with NFPA/T3.21.3, Pneumatic fluid power – Flow test procedure and reporting method – For fixed orifice components.

Manual Operators

Position	Operator	Description	Min. Operating Force lbs. (kg)
2-Position	KB0	Palm Button - Black, Nondetent (Inline Only)	18.0 (8.2)
	KB1	Palm Button - Red, Nondetent (Inline Only)	18.0 (8.2)
	KB2	Palm Button - Green, Nondetent (Inline Only)	18.0 (8.2)
	KB3	Palm Button - Black, Detent (Inline Only)	9.0 (4.1)
	KB4	Palm Button - Red, Detent (Inline Only)	9.0 (4.1)
	KB5	Palm Button - Green, Detent (Inline Only)	9.0 (4.1)
	KF0	Foot Pedal, Nondetent	11.0 (5.0)
	KK0	Knob - Black, Nondetent	18.0 (8.2)
	KK1	Knob - Black, Detent	9.0 (4.1)
	KL0	Lever, Nondetent (Inline Only)	9.0 (4.1)
	KL1	Lever, 2-Position Detent (Inline Only)	7.0 (3.2)
	KL5	Lever, Nondetent	9.0 (4.1)
	KL6	Lever, 2-Position Detent	7.0 (3.2)
	KT0	Treadle, Nondetent (Inline Only)	13.0 (5.9)
	KT1	Treadle, 2-Position Detent (Inline Only)	9.0 (4.1)
3-Position	KB6	Palm Button - Black, Spring Centered	9.0 (4.1)
	KK2	Knob - Black, Spring Centered	9.0 (4.1)
	KK3	Knob - black, 3-Position Detent	9.0 (4.1)
	KL2	Lever, Spring Centered (Inline Only)	7.0 (3.2)
	KL3	Lever, 3-Position Detent (Inline Only)	7.0 (3.2)
	KL7	Lever, Spring Centered	7.0 (3.2)
	KL8	Lever, 3-Position Detent	7.0 (3.2)
	KT2	Treadle, Spring Centered	9.0 (4.1)

Mechanical Operators

Position	Operator	Description	Min. Operating Force lbs. (kg)
2-Position	KP0	Tappet, Nondetent	18.0 (8.2)
	KR2	Lever Roller, Nondetent (Inline Only)	11.0 (5.0)
	KR3	One-Way Trip Roller, Nondetent	11.0 (5.0)
	KR4	Lever Roller, Nondetent	11.0 (5.0)
	KR5	One-Way Trip Roller, Nondetent (Inline Only)	11.0 (5.0)



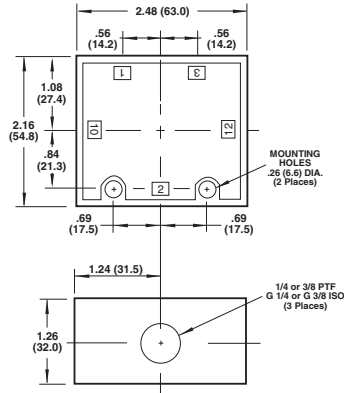
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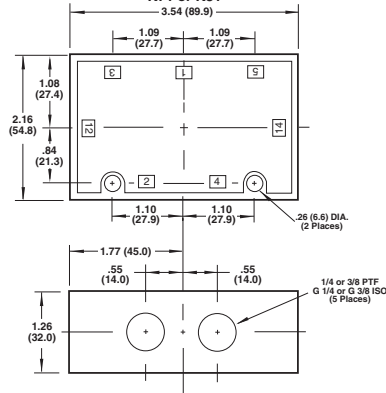
Dimensions in inches (mm)

Inline Bodies

3-WAY – 1/4" & 3/8" PORTS
K41

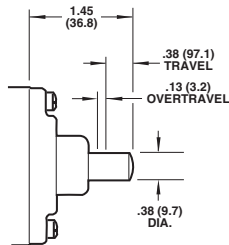


4-WAY – 1/4" & 3/8" PORTS
K71 or K81

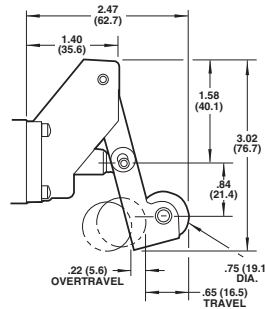


Mechanical Operators

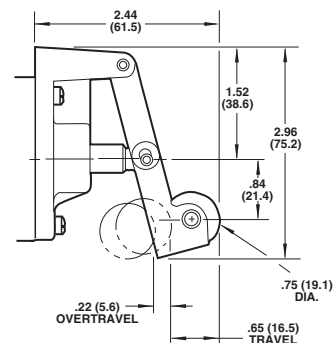
KP0 – TAPPET



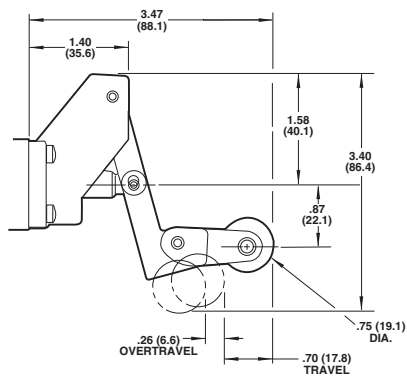
KR2 – LEVER ROLLER



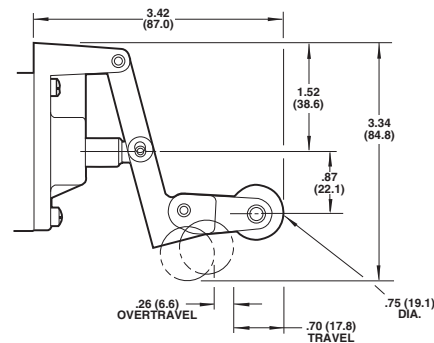
KR4 – LEVER ROLLER



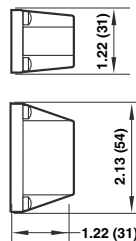
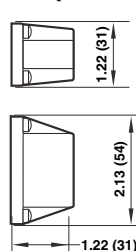
KR5 – LEVER ROLLER
ONE-WAY TRIP



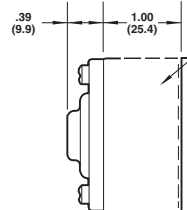
KR3 – LEVER ROLLER
ONE-WAY TRIP



KS1 Spring Return & End Cap KS6 Spring Return



KC0 – END CAP



SPACER BLOCK – Used only with spring centered manual operators (KK2, KL2, KL7, KT2).

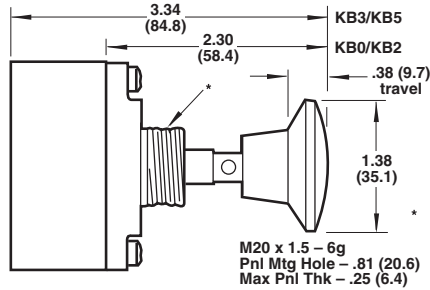
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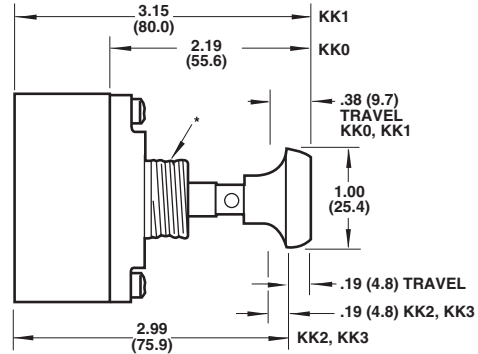
Dimensions in inches (mm)

Manual Operators

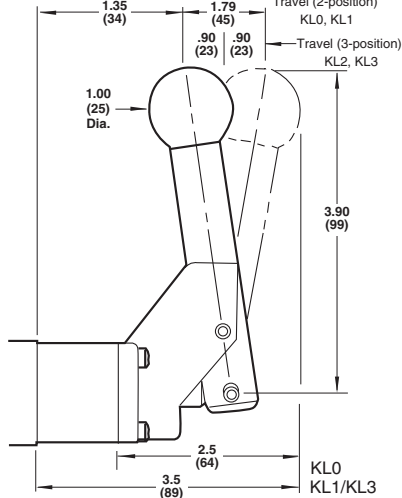
KB0/KB5 – PALM BUTTON



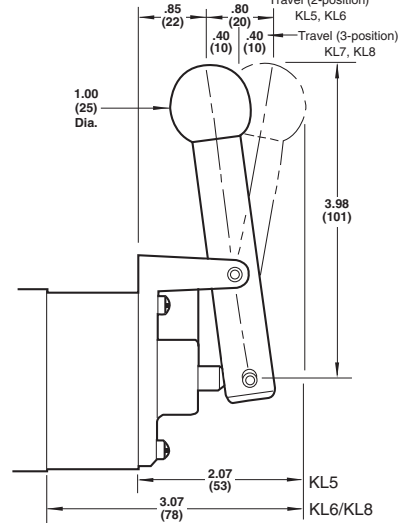
KK0/KK3 – KNOB



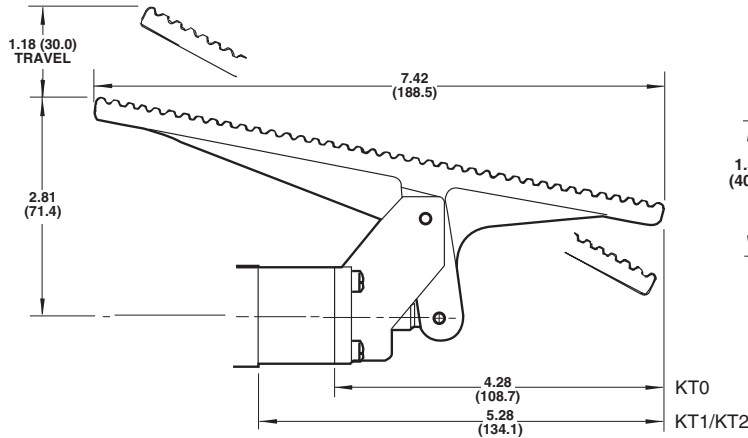
KL0/KL3 – LEVER



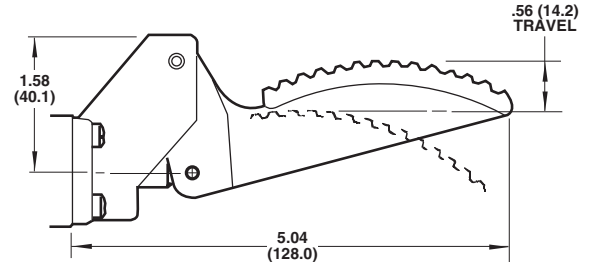
KL5/KL8 – LEVER



KT0/KT2 – TREADLE



KF0 – FOOT PEDAL



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Nugget 200 Product Deconfigurator — Manual, and Mechanical Operators

