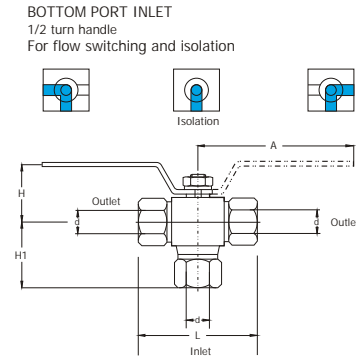
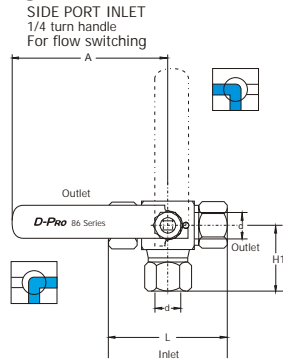


3-way switching



3-way Valve Ordering Information and Table of Dimensions

Basic Ordering Number	Orifice mm (in.)	End Connections		d mm (in.)	Dimensions mm (in.)			
		Inlet & Outlet			A	H	H1	L
V86A-	10.0 (0.39)	1/4" Dk-Lok		4.8 (0.19)	107 (4.21)	39 (1.53)	53.5 (2.10)	92 (3.62)
		3/8" Dk-Lok		7.1 (0.28)			55.0 (2.16)	95 (3.74)
		1/2" Dk-Lok		10.0 (0.39)			57.5 (2.26)	106 (4.17)
		1/4" Female NPT					36.7 (1.44)	72 (2.83)
		3/8" Female NPT					40.2 (1.58)	75 (2.95)
		1/2" Female NPT					44.2 (1.74)	89 (3.50)
V86B-	12.7 (0.50)	1/2" Female NPT		12.7 (0.50)	149 (5.86)	51 (2.00)	49.7 (1.95)	93 (3.66)
		3/4" Female NPT					55.2 (2.17)	102 (4.01)
		5/8" Dk-Lok					65.5 (2.57)	116 (4.56)
		3/4" Dk-Lok					65.5 (2.57)	115 (4.52)
V86C-	19.0 (0.75)	3/4" Dk-Lok		15.8 (0.62)	149 (5.86)	56 (2.20)	70.0 (2.75)	125 (4.92)
		1" Dk-Lok					76.6 (3.01)	134 (5.27)
		3/4" Female NPT		20.0 (0.79)			56.7 (2.23)	119 (4.68)
		1" Female NPT					60.8 (2.39)	129 (5.07)

All dimensions shown are for reference only and are subject to change. Dimensions with Dk-Lok nuts are in finger-tight position. Ordering information: * "S" for side entry 3 - way ordering i.e., V86A-3S-D-4T, * "B" for bottom entry 3 - way ordering i.e. V86A-3B-D-4T

3-way Handle Turn Torque Table

Valve Series	Applied Pressures bar (psig)						
	0 (0)	68.9 (1000)	137 (2000)	206 (3000)	275 (4000)	344 (5000)	413 (6000)
V86A	0.27 (0.20)	0.31 (0.23)	0.36 (0.26)	0.36 (0.26)	0.36 (0.26)	0.36 (0.26)	0.40 (0.29)
V86B	1.08 (0.79)	1.35 (0.99)	1.53 (1.13)	1.53 (1.13)	1.62 (1.19)	-	-
V86C	1.53 (1.13)	1.62 (1.19)	1.71 (1.26)	1.80 (1.32)	1.90 (1.40)	-	-

Unit: N-m (lbs-ft)

2-way Valve Pressure and Temperature Rating Table

Valve Series	Sealing Materials			Pressure Rating @ -54 to 21 C (-65 to 70 F)	Temperature Rating
	Seat	Stem Packing	End Seal		
V86A	PVDF	PTFE	FKM	6,000 psig (413 bar)	-30 to 130 C (-22 to 265 F)
	PCTFE				-30 to 180 C (-22 to 355 F)
	PEEK				10,000 psig (689 bar)
V86B V86C	PVDF	PTFE	FKM	5,000 psig (344 bar)	-23 to 110 C (-9 to 230 F)
	PCTFE				-23 to 160 C (-9 to 320 F)
	PEEK				6,000 psig (413 bar)

3-way Valve Pressure and Temperature Rating Table

Valve Series	Sealing Materials			Pressure Rating @ -54 to 21 C (-65 to 70 F)	Temperature Rating
	Seat	Stem Packing	End Seal		
V86A	PVDF	PTFE	FKM	4,000 psig (275 bar)	-30 to 130 C (-22 to 265 F)
	PCTFE				-30 to 180 C (-22 to 355 F)
	PEEK				6,000 psig (413 bar)
V86B V86C	PVDF	PTFE	FKM	3,000 psig (206 bar)	-23 to 110 C (-9 to 230 F)
	PCTFE				-23 to 160 C (-9 to 320 F)
	PEEK				4,000 psig (275 bar)

Note : Pressure ratings of valves are sometimes limited to the maximum working pressure of pipe ends and the tubing connected. Please refer to Dk-Lok catalog for details.