



VALVE	MODEL	MV524LT MV524X	MV74HLT MV74LT	PLV34LT PLV34X	PLV623	PLV130HLT MV130HLT	MV405X	PLV405X	MV100HLT MV100X	MV100TT	
	TYPE	Pilot Operated	Direct Acting 3-Way / 2-Position			Direct Acting 2-Way / 2-Position					
	PART NUMBER	284752-9_23 <sup>1</sup> 285235-9_24	284956-9_22 284751-9_24	284776-9_22 285187-9_21	285462-0007	285203-9_22 209613-9_21	285405-0121 (2-way) 285405-0131 (3-way)	285405-0021 (2-way) 285405-0031 (3-way)	284753-9620 284971-9_21	284753-9_P3	
PRESSURE	OPERATING	50 to 6,000 psig 250 to 6,000 psig	0 to 6,000 psig 0 to 3,000 psig	0 to 6,000 psig 200 to 6,000 psig	0 to 5,500 psig	0 to 6,000 psig		0 to 5,500 psig	0 to 6,000 psig	0 to 3,000 psig	
	PROOF	Proof Pressure = 1.5 x MEOP									
	BURST	Burst Pressure = 2.5 x MEOP									
FLOW <sup>2</sup>	CV	6.45 4.15	0.08 0.15	0.08 0.06	0.36	0.60	0.58 0.46	0.58 0.46	0.18 0.12	0.13	
	ESEOD (C <sub>d</sub> = 0.6)	0.60" 0.48"	0.06" 0.09"	0.06" 0.05"	0.14"	0.18"	0.18" 0.16"	0.18" 0.16"	0.10" 0.08"	0.09"	
TEMP.	AMBIENT	-65° F to 140° F -150° F to 400° F <sup>3</sup>	-65° F to 140° F	-65° F to 140° F -150° F to 200° F	-50° F to 140° F		-150° F to 160° F		-65° F to 140° F -100° F to 140° F	0° F to 140° F	
ELECTRICAL <sup>4</sup>	DUTY TYPE	Continuous Use: 18 to 32 VDC, 1 ATM, 70° F   Continuous Use: 7 to 10 VDC, 0 ATM, 70° F starting temperature   30 minutes: 18 to 32 VDC, 0 ATM, 70° F starting temperature									
	VOLTAGE	18 to 32 VDC									
	CURRENT DRAW	1 Amp @ 24 VDC				1.3 Amp @ 24 VDC			1 Amp @ 24 VDC		
	CONNECTOR	D38999 / 20FA98PN									
FLUID	COMPATIBLE FLUIDS	Inert Gas, Oxygen, Hydrogen, >90% Hydrogen Peroxide, RP-1, Methane, Nitrous Oxide								TEA-TEB & Inert Gas	
MISC.	END CONNECTIONS	AS5202-12	AND10050-4 <sup>5</sup>	Bushing Mount	Cartridge	Bushing Mount AS5202-06	AS5202-06	Bushing Mount	AS5202-04		
	WEIGHT	2.7 lb 3.5 lb	1.4 lb	1.5 lb 2.1 lb	1.1 lb	1.9 lb 1.8 lb	1.9 lb 2.0 lb	1.8 lb	1.2 lb 2.1 lb	1.0 lb	
	RESPONSE TIME	≤ 75 ms at 18 VDC ≤ 100 ms at 18 VDC	≤ 70 ms at 18 VDC	≤ 60 ms at 18 VDC ≤ 100 ms at 18 VDC	≤ 100 ms at 18 VDC	≤ 75 ms at 24 VDC	≤ 100 ms at 18 VDC	≤ 100 ms at 18 VDC	≤ 100 ms at 18 VDC	≤ 75 ms at 18 VDC ≤ 100 ms at 18 VDC	≤ 100 ms at 18 VDC

<sup>1</sup>Normally open configuration: 284986-9\_23    <sup>2</sup>Assumes sonic flow with GN<sub>2</sub>    <sup>3</sup>Bidirectional transient voltage suppression on component P/N 1N612AUS per MIL-PRF-19500/516    <sup>5</sup>Modified port depth. Mating fitting per SAE 070120 or similar required

<sup>3</sup>Operation at higher temperatures is allowed for limited pressure/duration