

MAXIMATIC® 3-WAY AIR PILOT VALVES



2-Position Spring Return & Air Pilot Valves



MMA-33WAA



MMA-33WAS

Maximatic 3-way air piloted valves are either double pilot or single pilot, spring return in #10-32 thread to 1/2" NPT port sizes. These air piloted valves have 1/8" NPT external pilot ports.

Type: Spool (not bidirectional)

Medium: Air (40 micron filtration) or Inert Gas

Operating Range: Single Air Pilot: 20 to 125 psig; Double Air Pilot: 0 to 125 psig.

Pilot Pressure: See chart

Maximum Pressure: 125 psig

Number of Ports: 3

Materials: Aluminum, Stainless Steel, Thermoplastic

Mounting: Body Ported, Manifold Mount

Temperature Range: 32 to 150°F (0 to 65°C)

Seals: Nitrile



Maximatic®

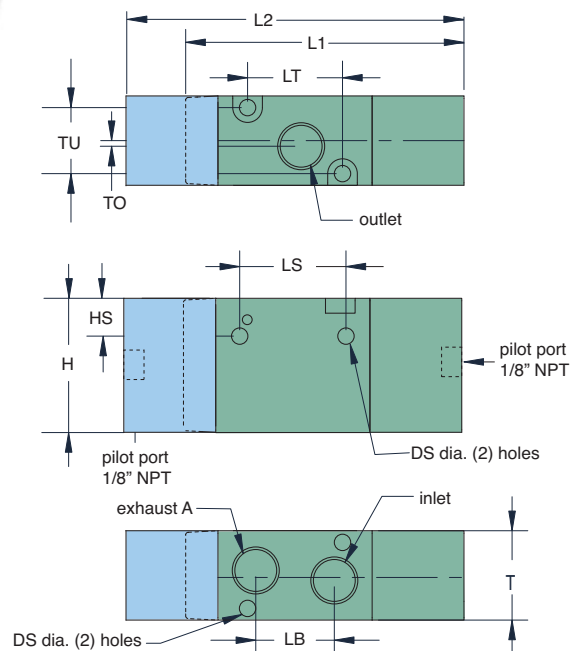
Port	Cv	Flow Rate	
		@ 50 psig	@ 100 psig
#10-32	0.58	16 scfm	27 scfm
1/8" NPT	0.67	18 scfm	31 scfm
1/4" NPT	0.89	26 scfm	49 scfm
3/8" NPT	1.68	51 scfm	93 scfm
1/2" NPT	2.79	91 scfm	171 scfm

Minimum Pilot Pressure

	Single Pilot		Double Pilot	
Operating Pressure (psig)	20	80	20	80
Pilot Pressure (psig)	20	35	5	8

Dim.	MMA-31	MMA-32	MMA-33	MMA-34
DS	0.13	0.17	0.17	0.22
DT	0.13	0.13	0.17	0.17
H	1.07	1.38	1.58	1.97
HS	0.30	0.31	0.41	0.53
L1	2.23	3.06	3.17	3.80
L2	2.71	3.46	3.80	4.72
LB	0.63	0.71	0.94	1.42
LS	0.83	0.98	1.18	2.01
LT	0.75	1.30	1.38	1.73
T	0.71	0.86	1.06	1.34
TO	0.06	0.06	0.16	0.16
TU	0.71	0.65	1.06	1.34

Conforms to ISO 19973-2 test standards



Spring Return Valves		Double Air Pilot Valves		Inlet	Outlet	Exhaust	Cv/scfm*
MMA-31NAS		MMA-31NAA		#10-32	#10-32	#10-32	0.58/27
MMA-31PAS		MMA-31PAA		1/8" NPT	1/8" NPT	1/8" NPT	0.67/31
MMA-32QAS		MMA-32QAA		1/4" NPT	1/4" NPT	1/4" NPT	0.89/49
MMA-33WAS		MMA-33WAA		3/8" NPT	3/8" NPT	3/8" NPT	1.68/93
MMA-34ZAS		MMA-34ZAA		1/2" NPT	1/2" NPT	1/2" NPT	2.79/171

* scfm based on flow @ 100 psig