



MAXIMATIC® 3-WAY PILOT VALVES

2-Position Spring Return & Double 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.

Operating Range: Single Air Pilot: 20 to 125 psig; Double Air Pilot: 0 to 125 psig. Refer to Minimum Pilot Pressure Chart on [Page 130](#).

Pilot Pressure: Single Air Pilot: ≥ 20 psig; Double Air Pilot: ≥ 5 psig

Number of Ports: 3

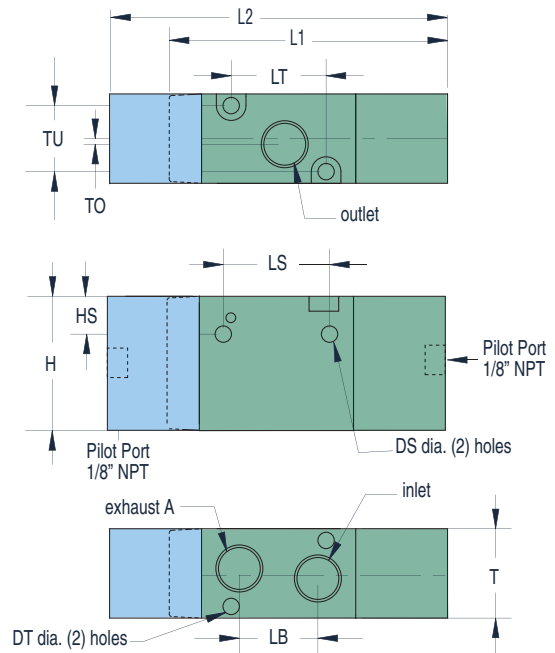
Mounting: Body Ported, Manifold Mount





Base Mounted Manifolds
For a complete offering of Manifolds and other accessories, see [page 135](#).

MAXIMUM
Value. →
→ Performance.

Dim.	MMA-31	MMA-32	MMA-33	MMA-34
DS	0.13 (3.3)	0.17 (4.3)	0.17 (4.3)	0.22 (5.6)
DT	0.13 (3.3)	0.13 (3.3)	0.17 (4.3)	0.17 (4.3)
H	1.07 (27.2)	1.38 (35.1)	1.58 (40.1)	1.97 (50.0)
HS	0.30 (7.6)	0.31 (7.9)	0.41 (10.4)	0.53 (13.5)
L1	2.23 (56.6)	3.06 (77.7)	3.17 (80.5)	3.80 (96.5)
L2	2.71 (68.8)	3.46 (87.9)	3.80 (96.5)	4.72 (119.9)
LB	0.63 (16.0)	0.71 (18.0)	0.94 (23.9)	1.42 (36.1)
LS	0.83 (21.1)	0.98 (24.9)	1.18 (30.0)	2.01 (51.1)
LT	0.75 (19.1)	1.30 (33.0)	1.38 (35.1)	1.73 (43.9)
T	0.71 (18.0)	0.86 (22.1)	1.06 (26.9)	1.34 (34.0)
TO	0.06 (1.5)	0.06 (1.5)	0.16 (4.1)	0.16 (4.1)
TU	0.71 (18.0)	0.87 (22.1)	1.06 (26.9)	1.34 (34.0)



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