

# 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

**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:** Buna-N

### Minimum Pilot Pressure

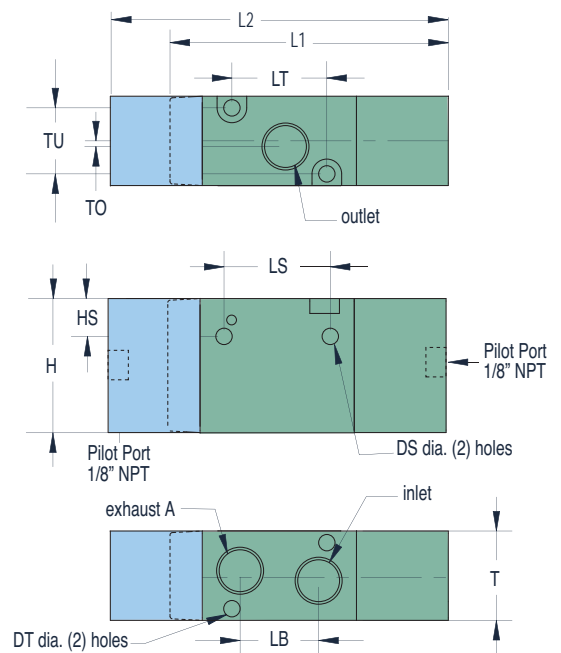
	Single Pilot		Double Pilot	
Operating Pressure (psig)	20	80	20	80
Pilot Pressure (psig)	20	35	5	8

Dim.	MMA-31	MMA-32	MMA-33	MMA-34
DS	0.13 (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)	0.65 (16.5)	1.06 (26.9)	1.34 (34.0)

# 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

Conforms to ISO 19973-2 test standards



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

\* scfm based on flow @ 100 psig