

Humphrey

Introduces the New

Mini-Myte Electric Air Valve

- Direct Operating
- 1/8" Pipe, 1/16" Orifice
- In-Line or Two Manifolds

- 3- and 4-Way
- 2 Position
- Single Solenoid



Humphrey
PRODUCTS

Kilgore at Sprinkle
P. O. Box 2008, Kalamazoo, MI 49003
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TWX 8102-771022 Humphrey-KMZ

Mini-Myte inline and manifold AIR VALVES

Small, but TOUGH!

Simple, yet VERSATILE!

- Direct operating. ■ 2-position. ■ Maintained contact. Spring return.
- Operate air cylinders. Pilot operate other valves. ■ Quiet, no A.C. hum.
- Non-locking manual override, standard.
- Solenoid cover supplied with snap-in grommet and two piece 1/2" conduit connector.



Model 31E1

Model 31E1 3-WAY

3 Ports:

- "IN N.C." Normally closed supply. ("IN N.O." = exhaust)
- "IN N.O." Normally open supply. ("IN N.C." = exhaust)
- "OUT" Cylinder port.
- Divertor Valve, supply to "OUT"
- Selector Valve, supply to both "IN's".

Combined pressures must not exceed 100 PSI.

2-way: Plug unused N.C. or N.O. port.

Model 41E1 4-WAY

5 Ports:

- "IN" Supply Port.
- "N.C." Normally Closed Cylinder.
- "N.O." Normally Open Cylinder.
- "EXH." Two separate exhaust ports (#10-32 threads).

Unique exhaust port flow control screws (#97-21, two supplied loose) independently control exhaust air from ports N.C. and N.O.



Model 41E1 Actual Size

Mount both models in-line, with body mounting holes, or with 8-5A mounting base, any position.



Model M31E1

- Manifold models of in-line valves. Maximum function, minimum size.
- Valves mount separately to manifold with two captive screws in adaptor plate. Valve body sealed to manifold ports with snap-in grommets which will not fall out. No gaskets to tear or replace.
- All Mini-Myte manifold valves fit all Mini-Myte manifolds.
- Orientation of 3-way on manifold determines function (normally closed or open).
- 4-way models are exceptional in their small size, substantial capacity, and great versatility.

Model M31E1

3-WAY

Use normally closed or open, or as a 2-way. Used on either MM or MMC manifold.

Model M41E1

4-WAY 5-PORT

Used principally on MM Series manifold.

Valve has two exhaust ports. Meter exhaust with #97-21 screws, two supplied loose.

Model MC41E1

4-WAY 4-PORT

Used principally on MMC manifold. Common (captured) exhaust.



Model M41E1

(Model MC41E1 same, except EXHAUST PORTS ARE COMMON and plugged)

MINI-MYTE SPECIFICATIONS

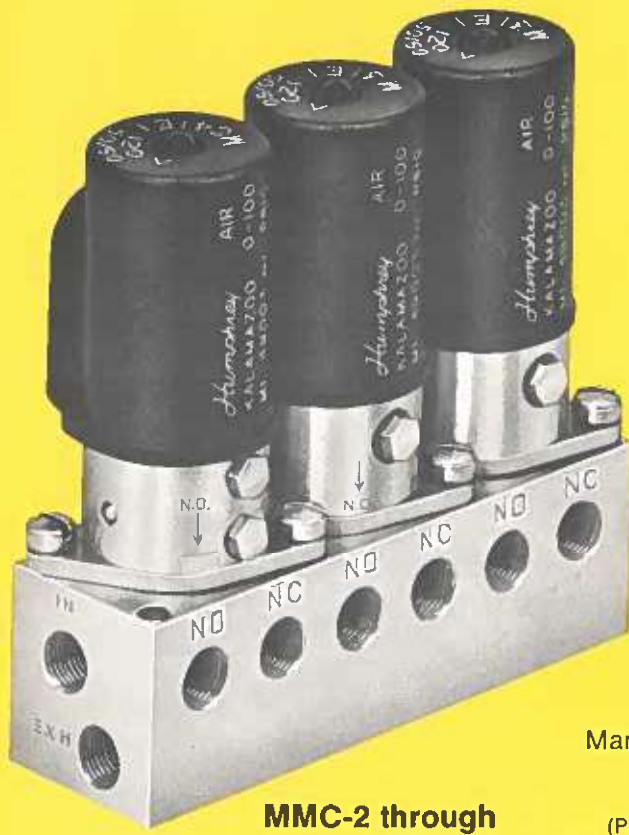
Pressure Range 0-100 P.S.I.
 Temperature Range (Ambient) -30°F to 130°F
 Operating Speeds To 300 C.P.M.
 Materials Aluminum, Buna N, Steel, Polyester
 Medium Air
 Lubrication Required for 4-ways
 Filtration Recommended, all models
 Air Flow (C.F.M. to Atmosphere)
 31E1 P.S.I.G. x .06
 M31E1 P.S.I.G. x .04
 41E1 P.S.I.G. x .02
 M/MC41E1 P.S.I.G. x .02

Weight
 Valves: 4 1/4 Oz. / 4 1/2 Oz. M & MC
 Manifolds: MM2 3 1/4 Oz. Add 1 1/2 Oz. per station.
 MMC2 5 1/2 Oz. Add 2 1/2 Oz. per station.

Shipping Weight: Add 20% to product weight.

VOLTAGE	AMPS	ON	OFF	Rated Voltage: Plus 10% Minus 15% Momentary 100% All Voltages are Continuous Duty.
240V. 50/60 Hz.	.043	4 MS	60 MS	
120V. 50/60 Hz.	.125	4 MS	60 MS	
24V. 50/60 Hz.	.430	4 MS	60 MS	
24V. D.C.	.479	7 MS	13 MS	
12V. D.C.	.550	7 MS	13 MS	

Mini-Myte manifolds



MMC-2 through MMC-7

Manifold with Common Inlet and Common Exhaust. Cylinder Ports (N.O. and N.C.) all on one side.

(Pictured: MMC-3 and l. to r. MC41E1, M31E1 (N.O.) & M31E1 (N.C.).)

- Minimize downtime — Change valves on the spot, in seconds!
- Two manifold systems available — 2 through 7 station.
- Each station accepts any Mini-Myte manifold valve.

MM-2 through MM-7

Manifold with Common Inlet. Cylinder Ports (N.O. and N.C.) all on one side.

(Pictured: MM2 and l. to r. M41E1 and M31E1 (N.C.).)



Valve and Manifold Accessories



Mounting Base. 8-5A, furnished with two screws.



Plug Fitting. PF, #10-32 plug for unused port. Gasket included. Sold as box of 10.



Metering Screw. 97-21, #10-32 split nylon screw. Used to control exhaust of M31E1 or M/41E1. Sold as box of 10.



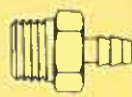
Reducer Bushing. RBF, 1/8" N.P.T. male to #10-32 female. Use with 97-21 metering screw to control exhaust of 31E1.



Barbed Fitting. BF, #10-32 to 1/8" O.D. tubing. Gasket included. Sold as box of 10.



Barbed Fitting. BF1, #10-32 to 1/4" O.D. tubing (use with 0.125 to 0.190 tubing). Gasket included. Sold as box of 10.



Pipe Barbed Fitting. PBF1, 1/8" N.P.T. male to 1/4" O.D. tubing (same as B.F.1 above). Sold as box of 10.



Muffler. 150-30A. Sintered bronze. #10-32 male thread with gasket.



Block-Off Plate. BOP. Use to suspend use of any station. Use in advance to provide for future addition of valves.



Manifold Port Connector. 31-150A. Provides for connection of manifold "IN" and/or "EXHAUST" ports. Links manifolds together. Does not change dimensions.



Block-Off Seal (Red). 43-42. Substitute for any black "through" seal(s) to isolate valve/manifold ports. Typical use: Separate pressure to M31E1 valve. Substitute 43-42 Block-Off Seal for valve "through" seal: this is always the seal that corresponds with the manifold orifice (smaller unthreaded hole) located farthest from manifold cylinder (N.O. and N.C.) ports. Connect separate pressure to 10-32 valve port located on blind side of manifold.

