

M-5000 Series Modular Manifold



FEATURES

- **Modular Dovetail Design**
- **Miniature Size**
- **Low Cost**

The **Modular Manifold** is designed for instrumentation and industrial applications.

The **Unique Modular Dovetail** design allows the manifold block to be used as an individual unit or assembled into a modular combination of pneumatic components.

The **Modular Manifold** is available in two models. The standard model and the filtered model.

The standard model is unfiltered.

The filtered model contains four stainless steel filters in the side ports. Micron size is 380. The top cover is unfiltered.

The **Manifold Block** contains four individual dovetail slides and one top cover that will accept a various assortment of threaded ports or blanks.

Port Connections Available

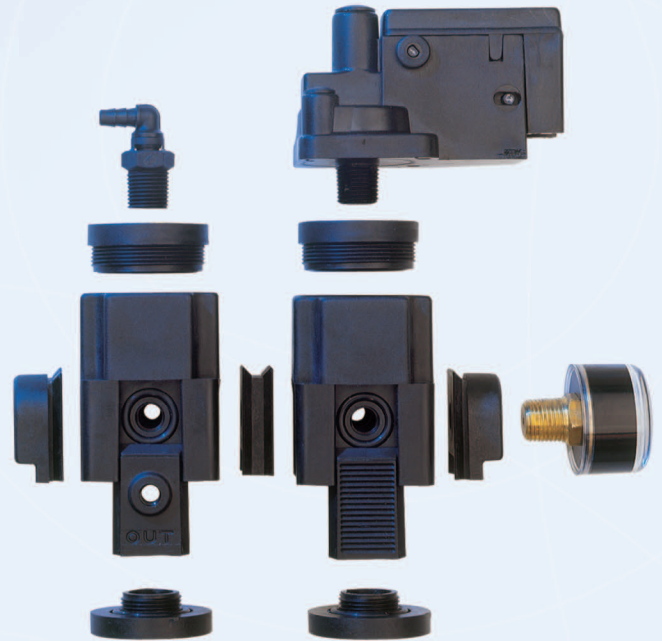
- **Threaded Port and Top Cover**
- **Blank Slide and Blank Top Cover**
- **Connector**
- **Union**
- **Gauge Port**
- **Push-in Fitting**

The **Modular Dovetail Wall Mount Bracket** is available for wall or cabinet mounting.

The **Pneumatic Accessories** include the modular manifold block, the modular precision pressure and preset regulators, pressure or vacuum switches, and pressure or vacuum gauges.

By combining the pneumatic accessories together pneumatic circuits and systems can be assembled into one Modular Manifold System.

Patent Number 5,217,260



Unique Modular Dovetail Design SPECIFICATIONS

Maximum Supply: 150 PSI

Operating Temperature: 40° to 150° F (4° to 66°C)

Recommended Filtration: 5 Micron

Capacity: 1 Cubic Inch

MATERIALS

Housing: Glass filled Celcon

O-Rings: Buna N, Silicone Nitrile

Filter: Stainless Steel 304, Micron size 380

PORT CONNECTIONS

Threaded Dovetail: A Modular Dovetail Slide with 10-32 UNF, 1/8-27 NPT, 1/4-18 NPT thread sizes. The 1/8" and 1/4" gauge port is available.

Union Dovetail: A Modular Dovetail Slide with a thru hole joining two units together with a common air supply.

Connecting Dovetail: A Modular Connecting Dovetail Slide with no hole joining two units together with no common air supply.

Blank Dovetail: A Blank Dovetail Slide is supplied when the port is not in use.

Gauge Dovetail: A Modular Dovetail Slide with 1/8-27 NPT or 1/4-18 NPT thread sizes. The Dovetail Slide has the word "gauge" molded into the slide.

Top Cover: The top cover is available in various combinations, 10-32 UNF, 1/8-27 NPT or 1/4-18 NPT thread sizes. The 1/4" and 1/8" contain a brass hoop insert. During assembly, fittings should be finger tight plus one turn. A Blank Top Cover is available when porting is not desired.

Push-in Fitting Dovetail : Available for 5/32", 3/16", 1/4", 5/16", 4mm and 6mm O.D. Tubing.

MOUNTING

Base mounting: .115 diameter mounting holes - use 4-40 mounting screws

Wall Mount: Modular Dovetail wall mount