LEGEND
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Auburn Hills, MI 48326

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SUBMITTAL SHEET

JOB NAME	ITEM TAG
JOB LOCATION	PART NUMBER
CONTRACTOR	DATE
ENGINEER APPROVAL	DATE

ENGINEERED PLASTIC (EP) MANIFOLD

M-8100P EP-PRO w/ Integrated Adapter

Made from durable, corrosion resistant engineered plastic.

EPDM o-ring seals at all connections.

Includes all-in-one Integrated Adapter with isolation ball valve, automatic air vent, fill/purge valve and thermometer.

Integrated check valve in each automatic air vent port.

Built in circuit isolation valves.

0-2.0 gpm flow indicators (gauges) for each circuit.

Header brackets for mounting virually any orientation.

Removable handles for mounting circuit actuators (sold separately) as project requires.

Mounting brackets expand for up to 2-1/2" for additional spacing between manifolds.

PEX Connector sizes (sold separately) are: 5/16" thru 3/4".

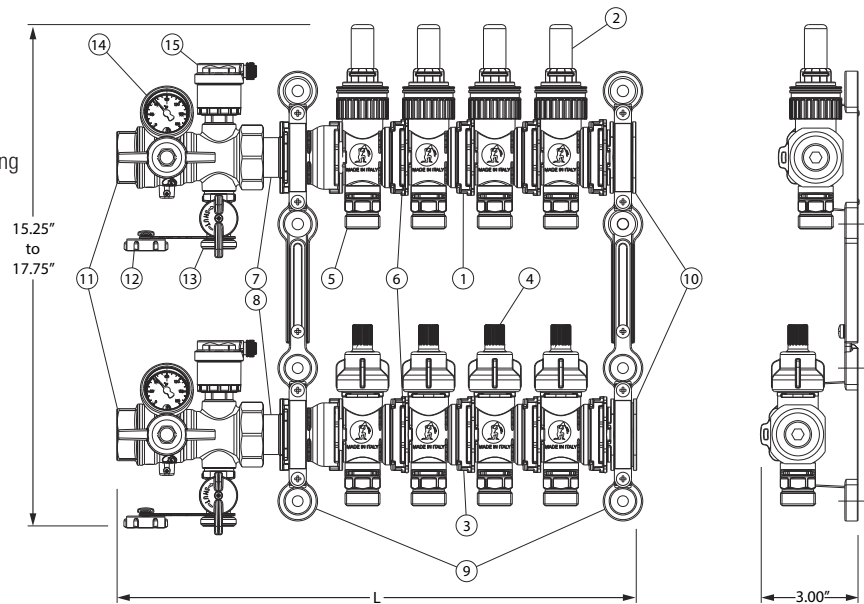**Manifold connection:** 1" NPT on manifold isolation ball valves.

**Pictured:
M-8100P**

Technical Data:

Max Temperature for short periods:	210°F
Max Test Pressure:	145 p.s.i
Max Working Conditions:	194°F at 43 p.s.i.
	176°F at 58 p.s.i.
	158°F at 72 p.s.i.
	140°F at 90 p.s.i.
Max Flow:	2.0 gpm per circuit up to 16 gpm.
Maximum of Circuits: 12	

15.25" to 17.75"

L

3.00"

**Pictured:
M-8100P**
4-Circuit manifold

DIMENSIONS

No. of Outlets	L
2	11.50
3	13.50
4	15.50
5	17.50
6	19.50
7	21.50
8	23.50
9	25.50
10	27.50
11	29.50
12	31.50

MATERIAL SPECIFICATION

	PART	MATERIAL	QTY
1	Supply Expansion	Engineered Plastic	0 to 10
2	Flow Meter	High-Temperature Polymer	2 to 12
3	Return Expansion	Engineered Plastic	0 to 10
4	Circuit Valve	High-Temperature Polymer	2 to 12
5	PEX Adapter	Brass B124 UNS C37700	4 to 24
6	Connector pin	Plastic	-
7	Tailpiece Assembly	Engineered Plastic / Brass Nut	2
8	Plastic Gasket	EPDM	2
9	Mounting Bracket	Engineered Plastic	2
10	End Plug Assembly	Engineered Plastic	2
11	Isolation Valves	Brass B124 UNS C37700	2
12	Brass Cap	Brass B124 UNS C37700	2
13	Fill & Purge Valve	Brass B124 UNS C37700	2
14	Thermometer	Aluminum Case / Glass Face	2
15	Air Vent	Brass B124 UNS C37700	2