

SUBMITTAL SHEET

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

ENGINEERED PLASTIC (EP) MANIFOLD

M-8100A EP Angle

Made from durable, corrosion resistant engineered plastic.

EPDM o-ring seals at all connections.

Angled isolation valves are offset to provide clearance between the supply and return mains.

Built in circuit isolation valves.

0-2 gpm flow indicators (gauges) for each circuit.

Header brackets for mounting virtually 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 available (sold separately) are: 5/6" thru 3/4".

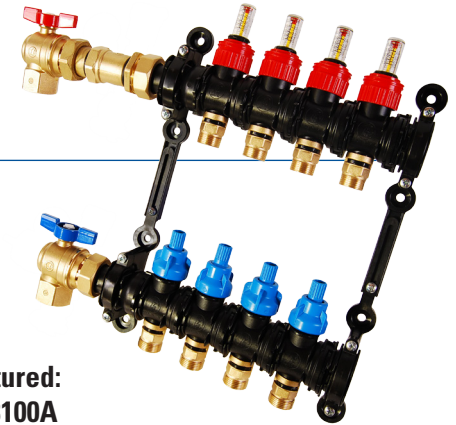
Manifold connection: 1" NPT on manifold isolation ball valves.

Technical Data:

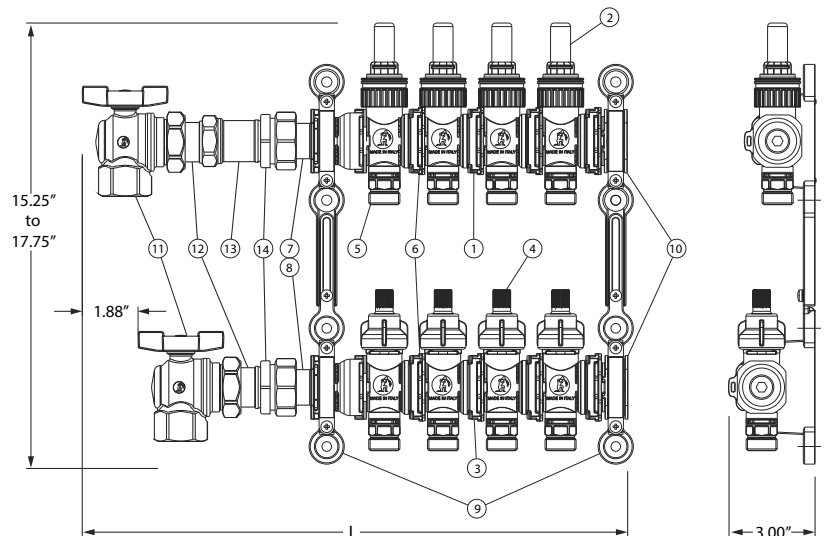
Max Temperature for short periods:	210°F
Max Test Pressure:	145 p.s.i.
Max Working Conditions:	194°F at 43 p.s.i.
	176°F at 58 p.s.i.
	158°F at 72 p.s.i.
	140°F at 90 p.s.i.

Max Flow: 2.0 gpm per circuit up to 16 gpm.

Maximum of Circuits: 12



**Pictured:
M-8100A**



DIMENSIONS

No. of Outlets	L
2	14.25
3	16.25
4	18.25
5	20.25
6	22.25
7	24.25
8	26.25
9	28.25
10	30.25
11	32.25
12	34.25

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 Adapter	Telfon	2
9 Mounting Bracket	Engineered Plastic	2
10 End Plug Assembly	Engineered Plastic	2
11 Angled Isolation Valves	Brass B124 UNS C37700	2
12 Valve Tailpiece	Brass B124 UNS C37700	2
13 Tailpiece Extension	Brass B124 UNS C37700	1
14 Tailpiece Bushing	Brass B124 UNS C37700	2

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