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TwistSeal® Mini Multiport (40 mm) Manifold w/Flow Meters

Submittal - Page 1 of 2

Job or Customer :	
Location :	
Engineer :	
<input type="checkbox"/> Complies with Spec <input type="checkbox"/> Alternate	Notes :
Contractor :	
HeatLink Rep :	
Submitted By :	Date :
Approved By :	Date :
P.O. Number :	Date :

Description

The patented TwistSeal® distribution manifold is modular in design. Manifolds are field configurable and assembled with minimal tools. Includes an automatic air vent, manual air vent, supply & return thermometers, and a hosebib. The supply module provides on/off manual control to allow isolation of individual loops and accepts optional actuators for automated control. The return module permits balancing of the flow rate with 0.4-1.0 US gpm visual flow meter.

Technical Data

Material:..... Nylon & Polysulfone
 Max Working Pressure: 100 psi @ 180°F (6.9 bar @ 82.2°C)
 Tested Pressure:..... 232 psi @ 180°F (16 bar @ 82.2°C)
 Maximum Trunk Flow Rate:..... 11 US gpm (2.5 m³/h)
 Maximum Circuit Flow Rate:..... 1 US gpm (0.23 m³/h)
 Supply & Return Piping: 1" FNPT
 Operating Temperature:..... 160°F (70°C)
 Maximum Temperature:..... 180°F (82°C)
 Minimum Temperature*: -65°F (-54°C)*

Qty	# of Loops	Assembly Kit	Modules	Additional Brackets	Width A	Weight
	2	79200	1x 78302	-	9-5/8" (243 mm)	4.6 lb (2.1 kg)
	3	79200	1x 78303	-	11-1/2" (293 mm)	4.6 lb (2.1 kg)
	4	79200	2x 78302	-	13-1/2" (343 mm)	5.6 lb (2.6 kg)
	5	79200	1x 78302 1x 78303	-	15-1/2" (393 mm)	5.6 lb (2.6 kg)
	6	79200	2x 78303	1x 79892	17-1/2" (443 mm)	5.9 lb (2.7 kg)
	7	79200	2x 78302 1x 78303	1x 79892	19-1/2" (493 mm)	6.9 lb (3.1 kg)
	8	79200	1x 78302 2x 78303	1x 79892	21-3/8" (543 mm)	6.9 lb (3.1 kg)
	9	79200	3x 78303	2x 79892	22-5/8" (573 mm)	7.1 lb (3.3 kg)
	10	79200	2x 78302 2x 78303	2x 79892	25-3/8" (643 mm)	8.1 lb (3.7 kg)
	11	79200	1x 78302 3x 78303	2x 79892	27-1/4" (693 mm)	8.1 lb (3.7 kg)
	12	79200	4x 78303	3x 79892	29-1/4" (743 mm)	8.4 lb (3.8 kg)

Max Pressure differential across (closed) valve with actuator:

56121	56200 Series
83 ft head 2.5 bar	83 ft head 2.5 bar

* Ensure freeze protection of tubing. Maximum recommended glycol solution of 50% provides protection down to -29°F (-34°C).

Dimension A:

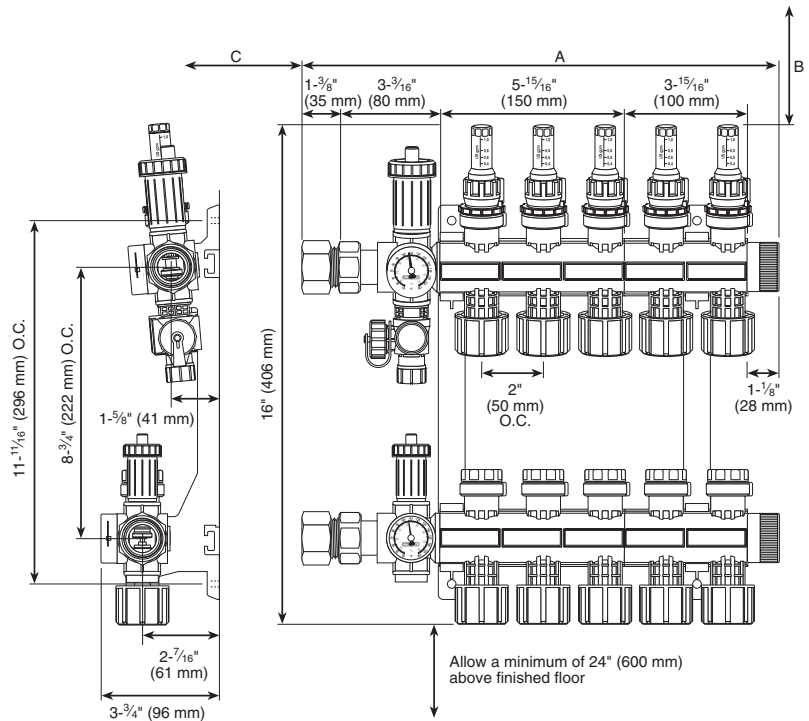
Width dimensions in table do not include isolation valve, zone valve, or necessary fittings for connection.

Dimension B:

Allow for a minimum of 6" (150 mm) clearance from top of manifold to frame opening for StatLink® Module rough in.

Dimension C:

Allow for a minimum of 6" (150 mm) clearance from the supply/return end connections to the side frame for supply/return piping that turns up or down. If straight supply/return piping is used, allow for a minimum of 12" (300 mm) or if zone valves are used, a minimum of 18" (450 mm). Be aware that the minimum distance will vary according to the supply/return piping arrangement.



Installation

Manifold must be permanently accessible. Installation of TwistSeal® manifolds must follow all of HeatLink's instructions and guidelines, including those in the Assembly Kit Instructions.

Maintenance

Maintenance of TwistSeal® manifolds must follow all of HeatLink's instructions and guidelines, including those in the Assembly Kit Instructions.

Related Documents

- TwistSeal® Mini Assembly Instructions (L679200)
- TwistSeal® Mini Multiport Balancing Instructions (L678300)
- HeatLink Limited Heating Warranty

