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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 flow setting dial.

Technical Data

Material:..... 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:..... 18 US gpm (2.5 m³/h)
 Maximum Circuit Flow Rate:..... 2.5 US gpm (0.57 m³/h)
 Supply & Return Piping:..... 1" FIP
 Operating Temperature:..... 160°F (70°C)
 Maximum Temperature:..... 180°F (82°C)
 Minimum Temperature*:..... -65°F (-54°C)*

Standards / Listings

IAPMO (UPC)
 Warnock Hersey CSA B137.5

Qty	# of Loops	Assembly Kit	Modules	Additional Brackets	Width A	Weight
	2	79400	2x 78400	-	9-7/8" (250 mm)	5.7 lb (2.6 kg)
	3	79400	3x 78400	-	12-1/4" (310 mm)	6.7 lb (3.1 kg)
	4	79400	4x 78400	-	14-5/8" (370 mm)	7.7 lb (3.5 kg)
	5	79400	5x 78400	-	17" (431 mm)	8.7 lb (4.0 kg)
	6	79400	6x 78400	1x 79991	19-3/8" (491 mm)	9.7 lb (4.4 kg)
	7	79400	7x 78400	1x 79991	21-3/4" (551 mm)	10.7 lb (4.9 kg)
	8	79400	8x 78400	1x 79991	24-1/8" (612 mm)	11.7 lb (5.3 kg)
	9	79400	9x 78400	1x 79991	26-5/8" (672 mm)	12.7 lb (5.8 kg)
	10	79400	10x 78400	2x 79991	28-7/8" (732 mm)	13.7 lb (6.3 kg)
	11	79400	11x 78400	2x 79991	31-1/4" (793 mm)	14.7 lb (6.7 kg)
	12	79400	12x 78400	2x 79991	33-5/8" (853 mm)	15.7 lb (7.2 kg)
	13	79400	13x 78400	3x 79991	36" (913 mm)	16.7 lb (7.7 kg)
	14	79400	14x 78400	3x 79991	38-3/8" (973 mm)	17.7 lb (8.1 kg)
	15	79400	15x 78400	3x 79991	40-3/4" (1035 mm)	18.7 lb (8.6 kg)

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

Dimension A:

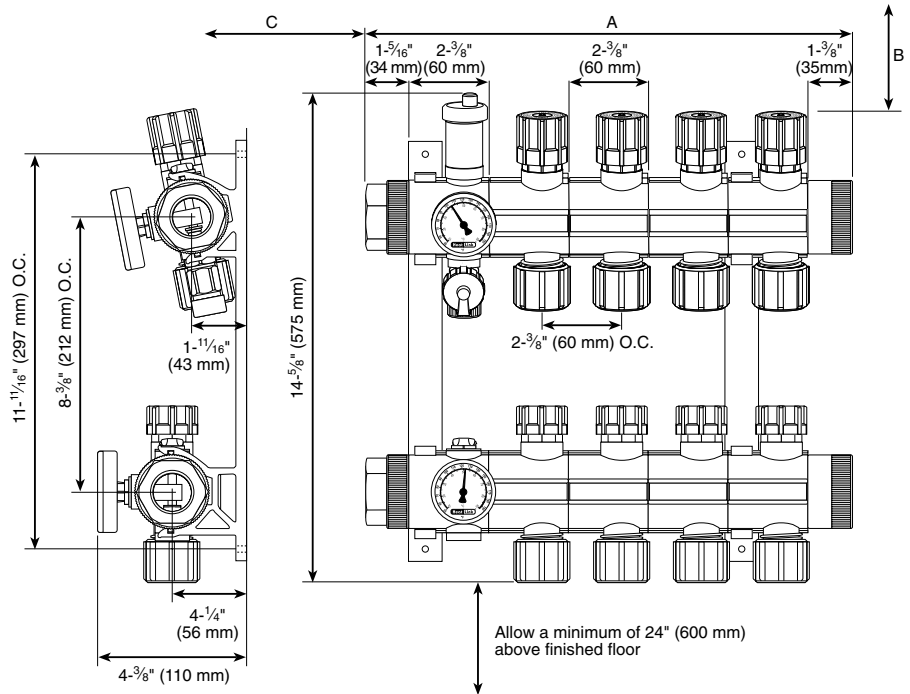
Width dimensions in table do not include isolation valve, zone valve, or necessary fittings for connection.

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

Manifolds 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[®] Assembly Instructions (L679400)
- INFO 24 - Material Properties of the Distribution Manifold (L2324)
- HeatLink Limited Heating Warranty

