

Job or Customer :	
Location :	
Engineer :	
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Contractor :	
HeatLink Rep :	
Submitted By :	Date :
Approved By :	Date :
P.O. Number :	Date :

### Description

The patented TwistSeal<sup>®</sup> 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.

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

### Technical Data

#### Specifications

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 m <sup>3</sup> /h)
Maximum Circuit Flow Rate	2.5 US gpm (0.57 m <sup>3</sup> /h)
Supply & Return Piping	1" FIP
Operating Temperature	160°F (70°C)
Maximum Temperature	180°F (82°C)
Minimum Temperature*	-65°F (-54°C)*

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

**Dimension A:**

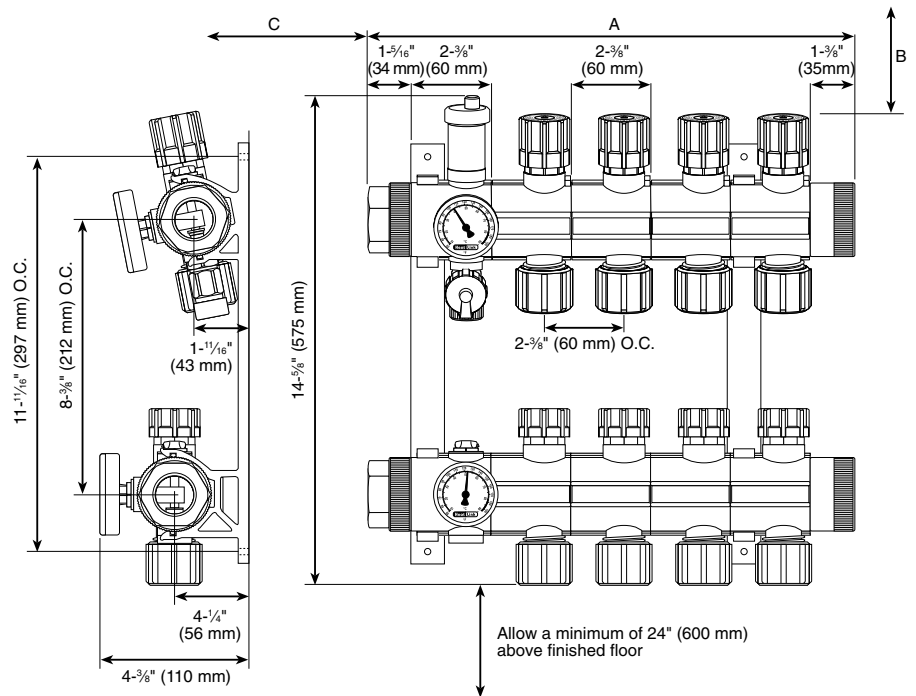
Width dimensions in table do not include isolation valve, zone valve, or necessary fittings for connection.

**Dimension B:**

Allow for a minimum of 6" (150 mm) clearance from top of manifold to frame opening for StatLink<sup>®</sup> 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<sup>®</sup> manifolds must follow all of HeatLink's instructions and guidelines, including those in the Assembly Kit Instructions.

**Maintenance**

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

**Related Documents**

- TwistSeal<sup>®</sup> Assembly Instructions (L679400)
- INFO 24 - Material Properties of the Distribution Manifold (L2324)
- HeatLink Limited Heating Warranty

