Submittal Data Sheet

Part #	Description
See below	CM Manifold System

Project Information

Job Name:	
Location:	Date Submitted:
Engineer:	Submitted by:
Contractor:	Approved by:
Manufacturer's Representative:	

Application:

Distribution and control of flow and heat output to various radiant, snowmelt and/or hydronic tubing loops or zones.

Product Information

- Modular, large bore manifolds (1 1/2") constructed of glass-fibre reinforced polyamide. (PA66 GF30 black)
- System includes supply and return manifolds with 1 1/2" NPT ball valves, temperature gauges, fill/drain valves, automatic air vents and mounting brackets.
- Supply manifold includes adjustable flowmeters and flow valves.
- Return manifold includes manual shut off valves and assemblies for electronic actuator attachment.
- Optional pressure gauge available when required.
- Supply and return manifold segments can be easily added or removed in the field.

Technical Information

Operating temperature and pressure	Max. 140ºF @ 87psi (60ºC @ 6 bar) Max. 194ºF @ 43psi (90ºC @ 3 bar)
Temperature gauge range	32ºF - 140ºF (0ºC - 60ºC)
Flowmeter range	1 - 5 gpm (4 - 20 lpm)
Maximum tightening torque	59 ft lbs (80Nm)
Maximum test pressure	87psi (6 bar) (24hr, <85ºF (30ºC))
Tubing threaded connections	R20

Part Numbers

X	Part #	Description	Lg. in (mm)
	2315005102	CM Manifold Set 1 1/2" x 2 loop	18.7 (475)
	2315005103	CM Manifold Set 1 1/2" x 3 loop	22.7 (575)
	2315005104	CM Manifold Set 1 1/2" x 4 loop	26.6 (675)
	2315005105	CM Manifold Set 1 1/2" x 5 loop	30.5 (775)
	2315005106	CM Manifold Set 1 1/2" x 6 loop	34.5 (875)
	2315005107	CM Manifold Set 1 1/2" x 7 loop	38.4 (975)
	2315005108	CM Manifold Set 1 1/2" x 8 loop	42.4 (1075)
	2315005109	CM Manifold Set 1 1/2" x 9 loop	46.3 (1175)
	2315005110	CM Manifold Set 1 1/2" x 10 loop	50.2 (1275)
	2315005111	CM Manifold Set 1 1/2" x 11 loop	54.2 (1375)
	2315005112	CM Manifold Set 1 1/2" x 12 loop	58.1 (1475)
	2315005113	CM Manifold Set 1 1/2" x 13 loop	62.0 (1575)
	2315005114	CM Manifold Set 1 1/2" x 14 loop	66.0 (1675)
	2315005115	CM Manifold Set 1 1/2" x 15 loop	69.9 (1775)
	2315005116	CM Manifold Set 1 1/2" x 16 loop	73.8 (1875)
	2315005117	CM Manifold Set 1 1/2" x 17 loop	77.6 (1975)
	2315005118	CM Manifold Set 1 1/2" x 18 loop	81.7 (2075)
	2315005119	CM Manifold Set 1 1/2" x 19 loop	85.7 (2175)
	2315005120	CM Manifold Set 1 1/2" x 20 loop	89.6 (2275)

Effective Date: January 2026

Contact Information

Roth Industries, Inc. 268 Bellew Ave. S. Watertown, NY 13601

Telephone: US (888) 266-7684 Canada (800) 969-7684 Fax: US & Canada (866) 462-2914

www.roth-america.com