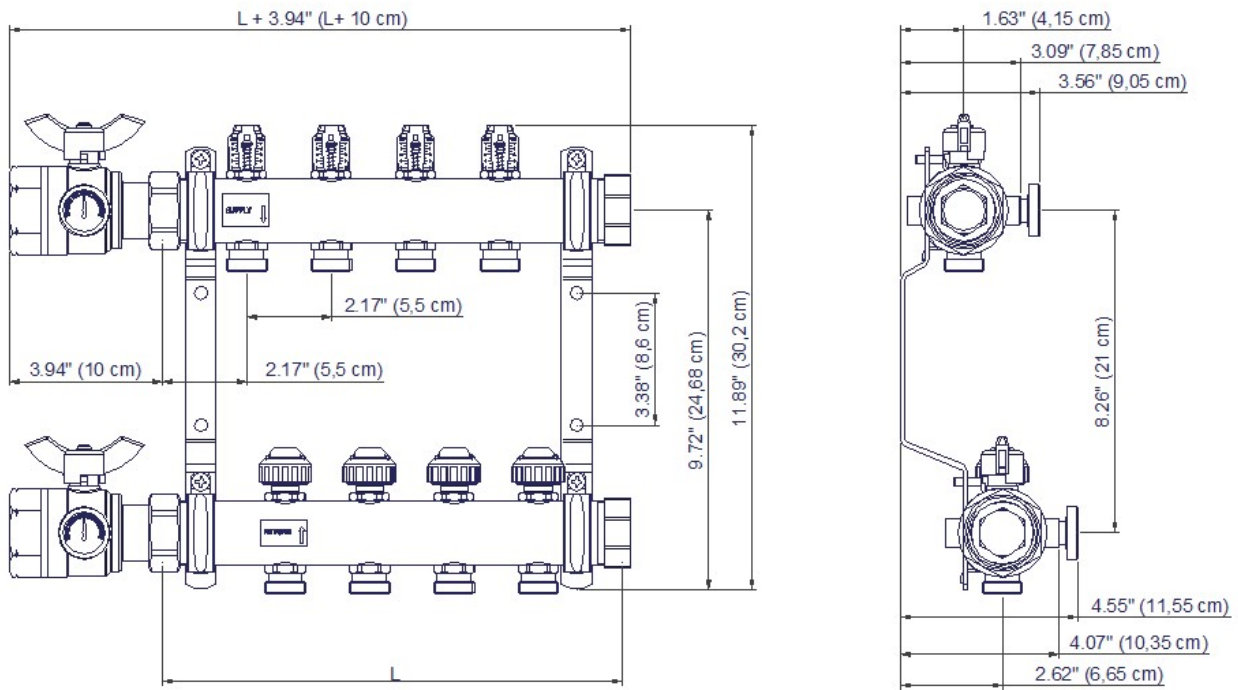


# PRODUCT SUBMITTAL 204

Product: **PRO-BALANCE® 1 1/4 in. Brass Manifold**  
Date: **05 June 2018 (supersedes 30 September 2017)**



Article No.	No. of Outlets	L Length in (cm)
281841-101	4	11.81 (30.0)
281851-101	5	13.98 (35.5)
281861-101	6	16.14 (41.0)
281871-101	7	18.31 (46.5)
281881-101	8	20.47 (52.0)
281891-101	9	22.64 (57.5)
281801-101	10	24.80 (63.0)

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### TECHNICAL DESCRIPTION

Material	
Headers	Brass (CW 508L)
Ball valve casing and end piece set	Brass (CW 617N)
Valve casing, lower valve part and flow indicator casing	Brass (CW 614)
Valve shaft	Nickel-plated brass (CW 614)
Valve spring and flow indicator spring	Stainless steel 1.430
O-ring washers	EPDM 71 Shore A
Valve disk and valve head	EPDM 80 Shore A
Connection ball valve/end piece	AFM 34 Synthetic fiber based material
Transparent flow indicator	Polyamide 12
Plunger in flow indicator	Polyoxymethylene
Connections	
Header ends	1 1/4 in. BSP parallel (straight) threads
Outlets	R-20 BSP parallel (straight) outside threads
Isolation valve	1 1/4 in. NPT female threads
Temperature / Pressure Capabilities*	
Operating temperature range	14°F (-10°C) to 176°F (80°C)
Maximum operating pressure	145 psi (10 bar)
Flow Rates	
Maximum flow rate	4.0 GPM per circuit; 40 GPM total (0.25 l/s per circuit; 2.52 l/s total)

### FUNCTIONAL DESCRIPTION

Pre-assembled and factory pressure-tested. For use with 10.1 mm and 3/8, 1/2, 5/8 and 3/4 in. RAUPEX® pipes using REHAU manifold connections (sold separately). Compatible with manifold valve actuator (Art. 260166). May be mounted in any orientation (e.g., inverted, horizontal, etc.).

Each PRO-BALANCE 1 1/4 in. manifold comes complete with the following:

- Installation instructions
- 1 1/4 in. NPT supply and return manifold isolation ball valves with thermometer sockets and flat gaskets
- Two 1 1/4 in. BSPP brass end caps with gaskets
- Visual flow gauges (0-4 GPM) on supply side which have accuracy of +/- 10%
- Circuit balancing/isolation valves on return side
- Mounting brackets
- Four drywall screws
- Vent key
- Manifold circuit chart

Mini thermometers (Art. 250218) are sold separately.

\*Temperature and pressure ratings of individual components of the REHAU radiant heating/cooling system may differ from the PRO-BALANCE manifold and should be taken into consideration when designing the system.