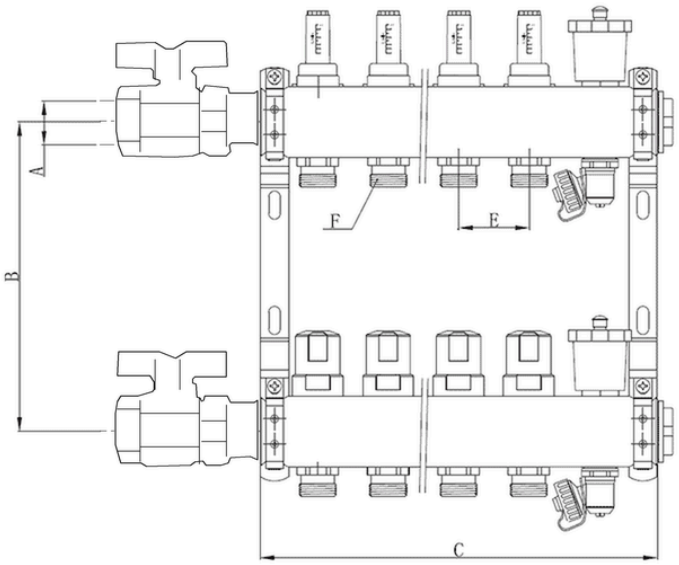
PRODUCT CUT SHEET

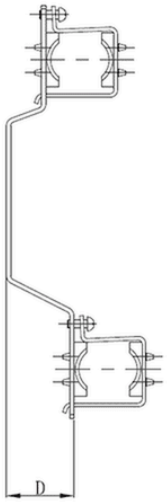
HFM102–HFM112

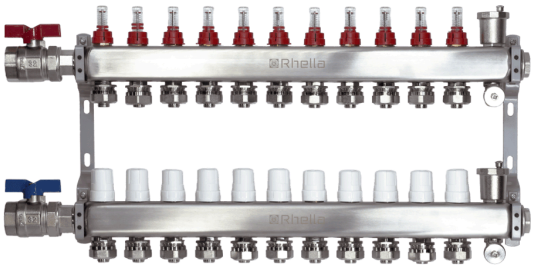
Hi-Flow stainless steel manifold, 1-¼″, 2 to 12 loops, with flow meters

1-¼″ stainless steel radiant manifold with a Taconova flow meter on every loop.

2–12	18 GPM	1.5 GPM	145 psi
Loops	Rated flow, trunk	Rated flow, per loop	Max. pressure at 68 °F







FUNCTIONS

Flow meters

A Swiss-made Taconova flow meter on each loop shows the loop flow.

Isolation

2 isolation ball valves are included.

Air and drain

An air vent and drain on each header.

PEX connections

Loops take ½″, ⅝″ or ¾″ PEX with compression adapters, sold separately.

INCLUDED

- Manifold
- 2 × air vents and drains
- 2 × 1-¼″ end caps
- 2 × 1-¼″ isolation ball valves
- Taconova flow meters, made in Switzerland

PEX compression adapters (½″, ⅝″ or ¾″) sold separately.

MODELS

Model	Loops	C, in	C, mm
HFM102	2	6-¾″	171
HFM103	3	8-¾″	222
HFM104	4	10-¾″	273
HFM105	5	12-¾″	324
HFM106	6	14-¾″	375
HFM107	7	16-¾″	425
HFM108	8	18-¾″	476
HFM109	9	20-¾″	527
HFM110	10	22-¾″	578
HFM111	11	24-¾″	629
HFM112	12	26-¾″	679

DIMENSIONS COMMON TO ALL MODELS

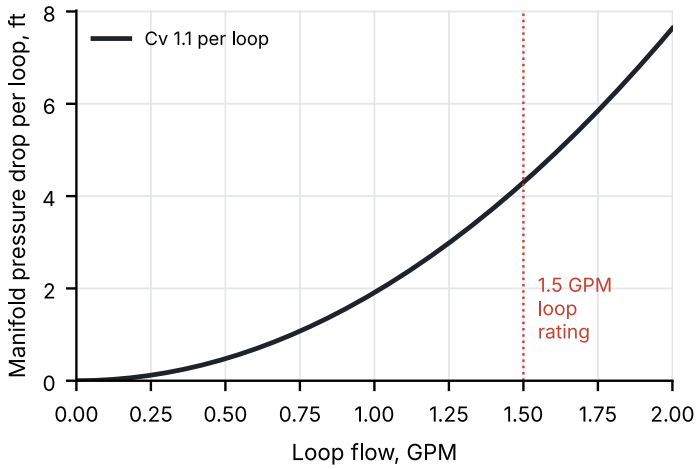
	A	B	D	E	F
in	1-¼″	7.88″	2″	1.97″	¾″ × 18 TPI
mm	–	200	51	50	–

A header connection size · **B** supply to return header, centre to centre · **D** depth from the wall · **E** loop spacing · **F** loop connection thread · **C** overall length (see model table).

HFM102–HFM112

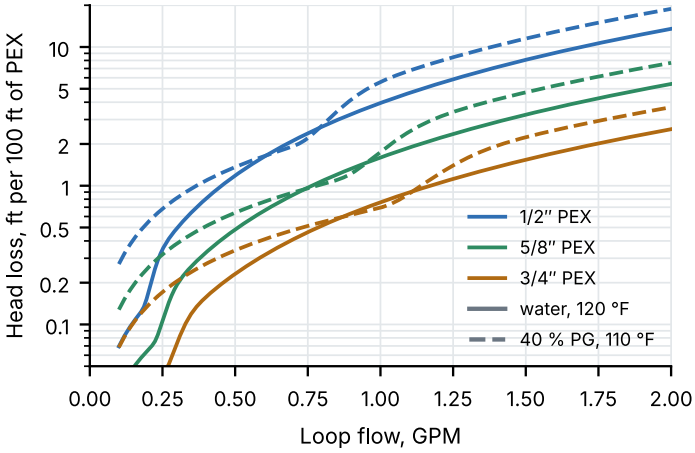
Hi-Flow stainless steel manifold, 1-¼″, 2 to 12 loops, with flow meters

MANIFOLD PRESSURE DROP PER LOOP



Calculated from the loop flow coefficient, Cv 1.1: pressure drop in psi = (GPM ÷ 1.1)², × 2.31 for ft of water. Excludes the PEX.

PEX LOOP HEAD LOSS



PEX CTS SDR 9, per 100 ft of tube. Loop head = manifold pressure drop + PEX head loss × length / 100.

TECHNICAL SPECIFICATIONS

Header	1-¼″ SEA 304 stainless steel
Header thread	DN 32, 1-¼″
Loops	2 to 12
Rated flow	18 GPM trunk; 1.5 GPM per loop
Flow coefficient	Cv 1.1 per loop
Max. operating pressure	145 psi at 68 °F; 87 psi at 158 °F; 44 psi at 194 °F

Test pressure	145 psi
Max. operating temperature	194 °F at 44 psi
Loop thread	20 mm (¾″ × 18 TPI)
PEX	½″, ⅝″ or ¾″, compression fittings
Application	Radiant heating
Warranty	2 years

CONNECTIONS

Connection	Size and type
Headers	DN 32, 1-¼″ supply and return connections
Loops	20 mm thread (¾″ × 18 TPI), PEX compression
PEX	½″, ⅝″ or ¾″; compression adapters sold separately
Vents and drains	Air vent and drain on each header
Isolation	2 × 1-¼″ isolation ball valves, included

INSTALLATION

Connect the supply and return to the 1-¼″ (DN 32) header connections with full-size piping. Fit PEX compression adapters to suit the tubing (½″, ⅝″ or ¾″), then fill, purge and pressure-test the system at no more than 145 psi. Read each loop's flow on its flow meter. Keep within the pressure and temperature ratings: 145 psi at 68 °F; 87 psi at 158 °F; 44 psi at 194 °F.