

Uponor AquaPort

Submittal information
Revision E: July 19, 2023

Project information

Job name:	
Location:	Part no. ordered:
Engineer:	Date submitted:
Contractor:	Submitted by:
Manufacturer's representative:	Approved by:

Technical data

Materials	
Fittings tap water	CW 724 R, C69300
Fittings hydronic	CW 617 N, C37700
Double-wall heat exchanger	Plates stainless steel ANSI 316, brazed seam copper 99.9%
Piping	Stainless steel 1.4101 / ANSI 316
Shutoff valves	CW 511 L, C27453

XP0300100 (3 gpm) performance	
Temperature at entry hydronic	140°F / 60°C
Temperature at entry domestic	50°F / 10°C
Temperature at outlet hydronic	77°F / 25°C
Temperature at outlet domestic	120°F / 49°C
Flow hydronic	3.4 gpm / 12.9 l/min
Flow domestic	3.0 gpm / 11.4 l/min

XP0525180 (5.25 gpm) performance	
Temperature at entry hydronic	140°F / 60°C
Temperature at entry domestic	50°F / 10°C
Temperature at outlet hydronic	75°F / 24°C
Temperature at outlet domestic	122°F / 50°C
Flow hydronic	5.95 gpm / 22.5 l/min
Flow domestic	5.25 gpm / 19.9 l/min

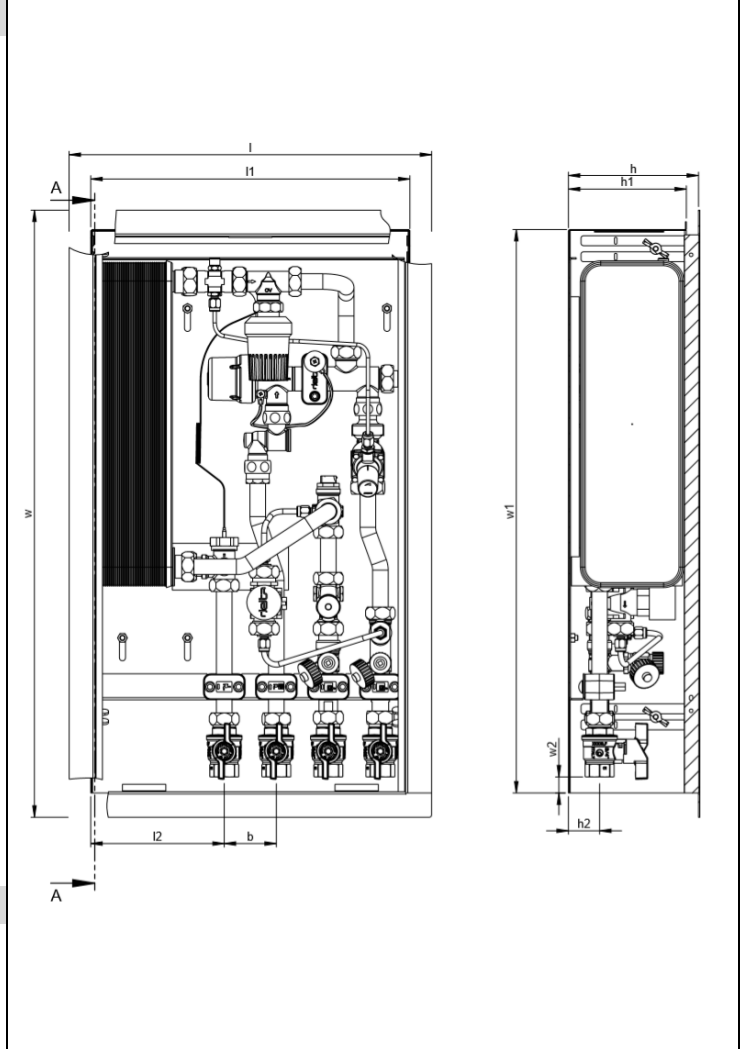
Maximum operational pressure	
Tap water side	125 psi / 8.6 bar
Hydronic side	125 psi / 8.6 bar
Maximum operation temperature	180°F / 82°C

Connection	4 x FNPT 3/4" tapered
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XP0300100 (3 gpm) weight including in-wall cabinet	47 lbs. / 21.3 kg
XP0525180 (5.25 gpm) weight including in-wall cabinet	61.5 lbs. / 27.9 kg

Product information and application use

Use the Uponor AquaPort for decentralized water supply for single-family and multifamily residential applications. The port is ready to install to connect to heating water flow and return and cold-water supply (input lines). Connect the port output lines to the warm water tap (e.g., sink, shower, or tube).



✓	Description	Part number
	Uponor AquaPort, 3 gpm DHW at 100,000 Btu/hr	XP0300100
	Uponor AquaPort, 5.25 gpm DHW at 180,000 Btu/hr	XP0525180

Dim.	l	l1	l2	w	w1	w2	h	h1	h2	b
Inches	16.5	14.5	6.1	27.6	25.6	0.7	5.9	5.4	1.4	2.4
mm	418	368	153.9	700	650	18.5	150	136	36	60

Standards

IAPMO PS 92; NSF/ANSI 372; CAN/CSA F379.1; IAPMO/ANSI Z1157

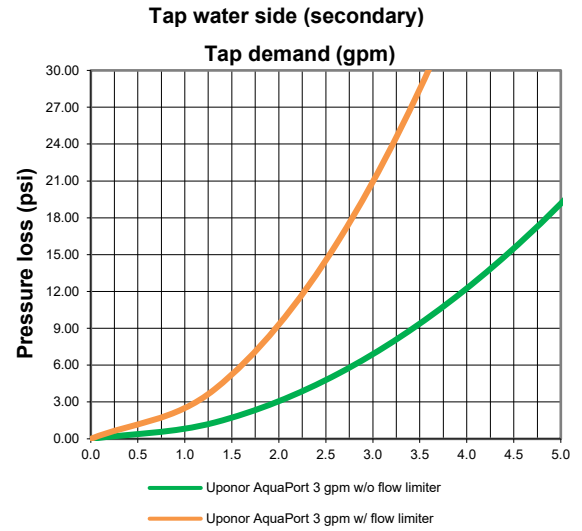
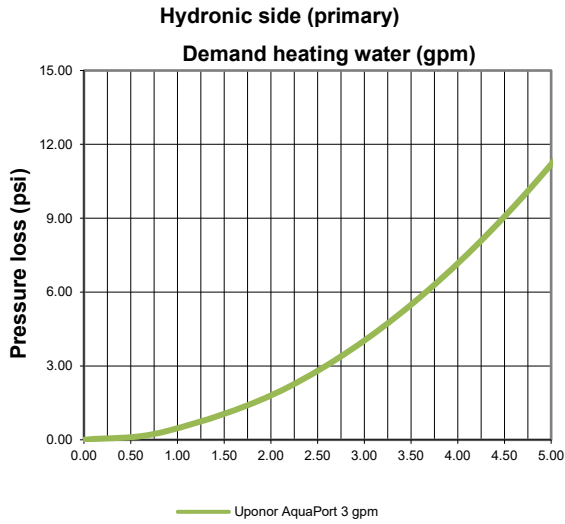
Codes

IRC; IPC; IMC; UPC; UMC; CPC; CMC; NPC

Listings

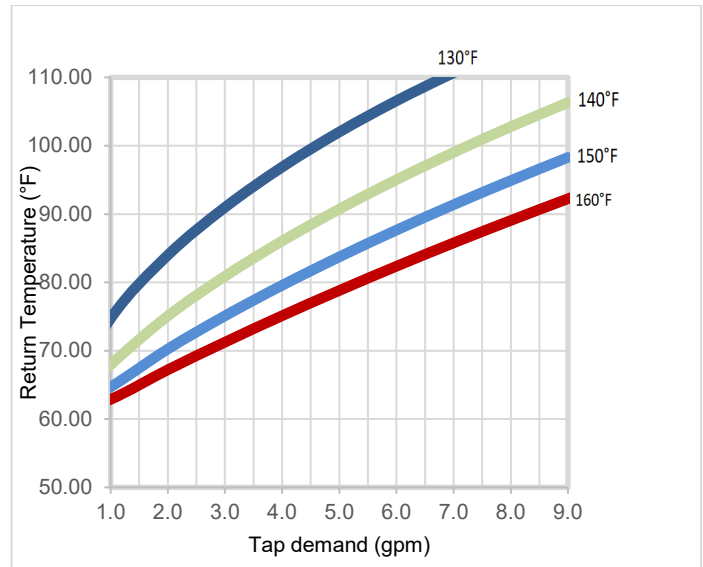
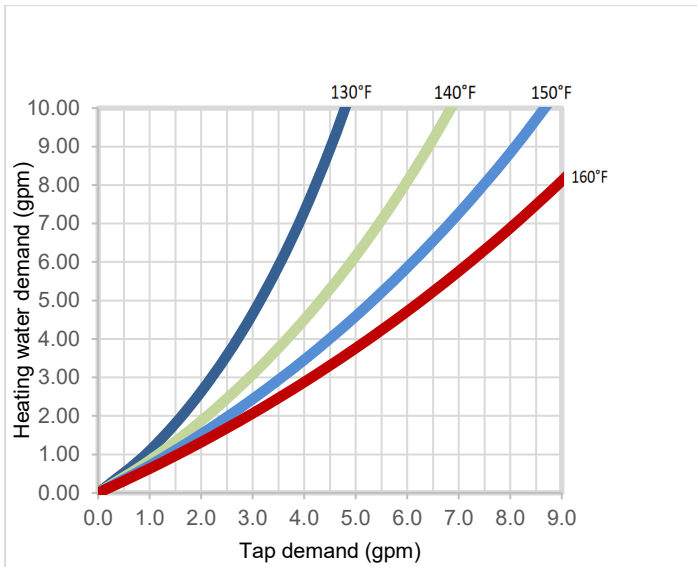
ICC-ES PMG-1543

Characteristic curves for XP0300100 (3 gpm, 11.4 l/min) – Pressure loss vs. flow

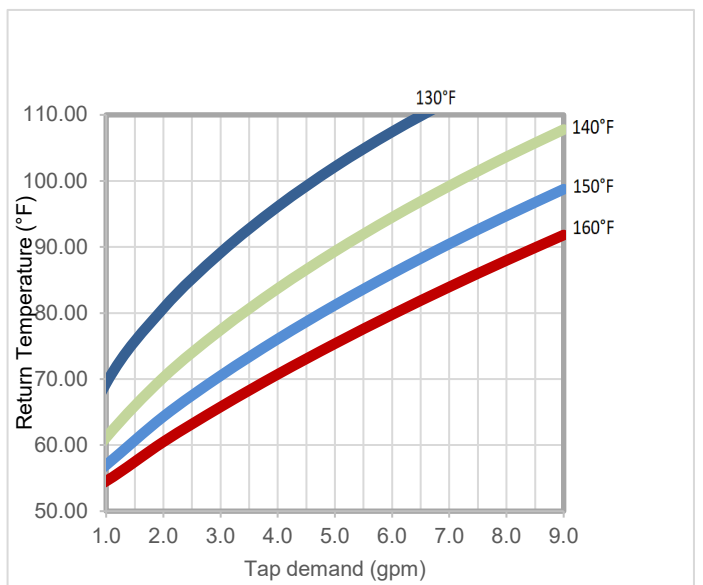
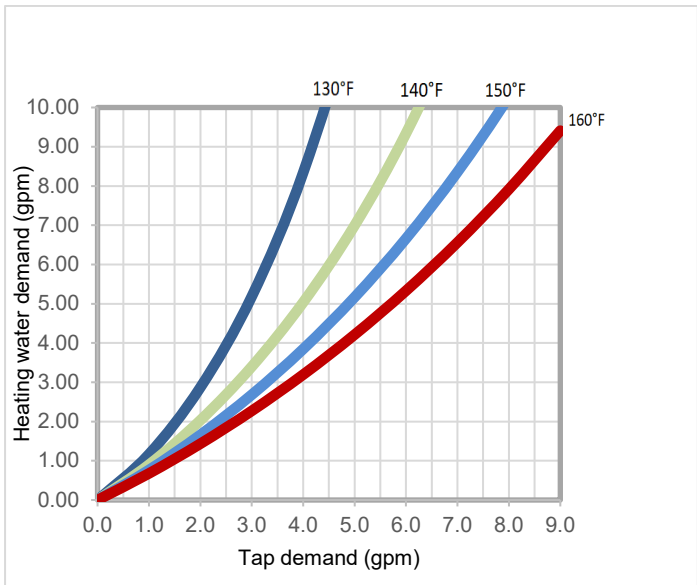


Performance Curves and Return Temperatures for XP0300100 (3 gpm, 11.4 l/min)

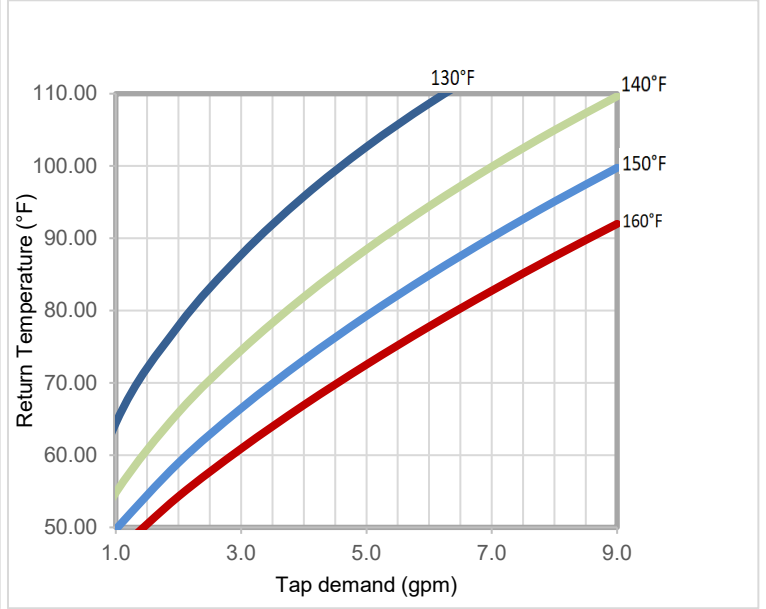
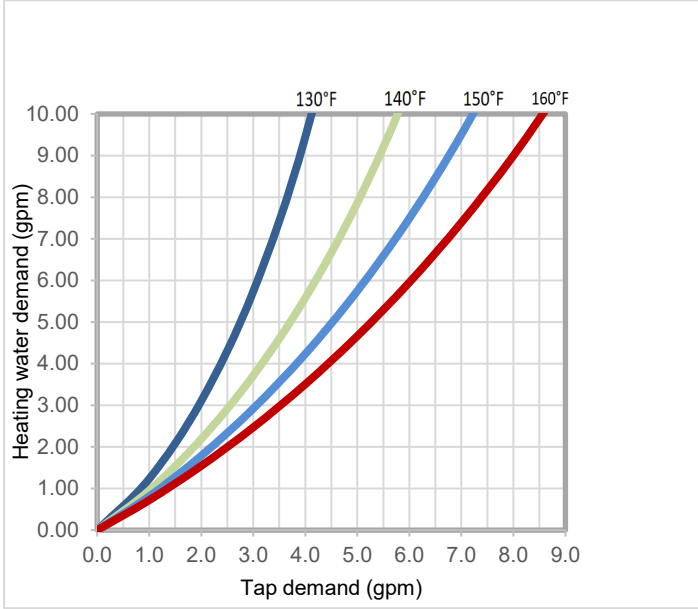
60°F Temperature Rise (60°F - 120°F)



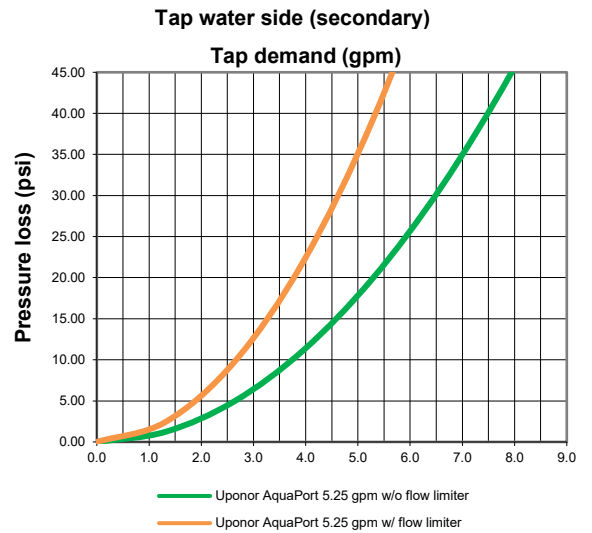
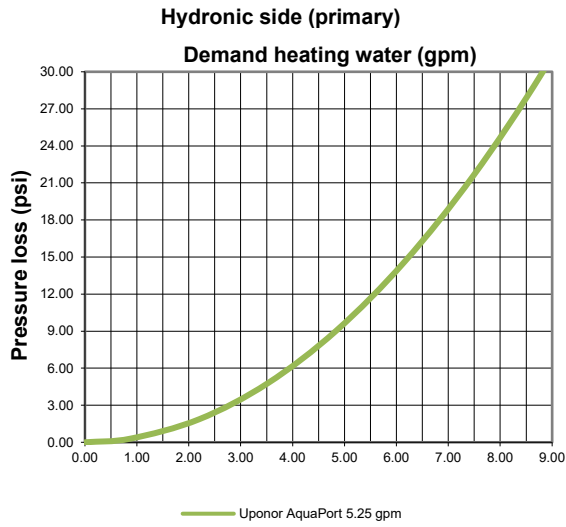
70°F Temperature Rise (50°F - 120°F)



80°F Temperature Rise (40°F - 120°F)

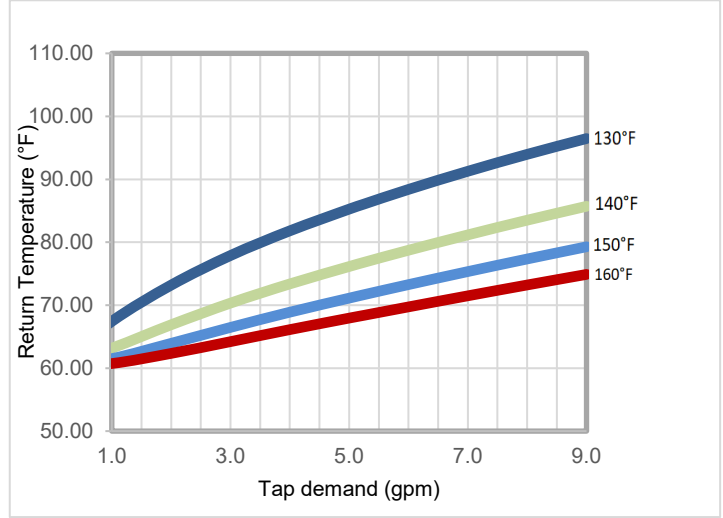
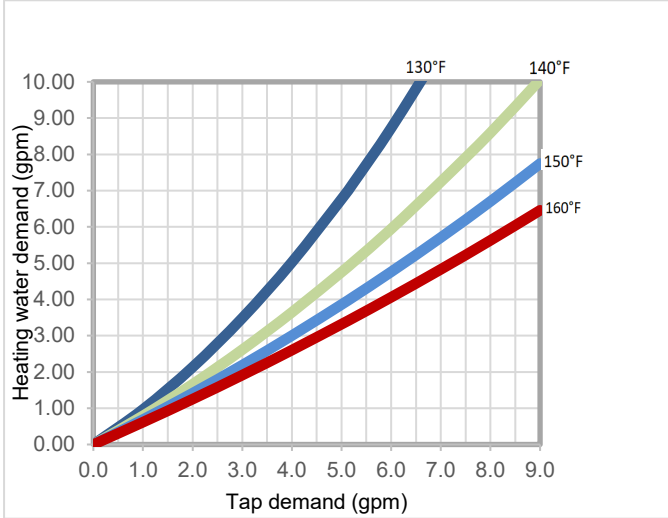


Characteristic Curves for XP0525180 (5.25 gpm, 19.9 l/min) – Pressure loss vs. flow

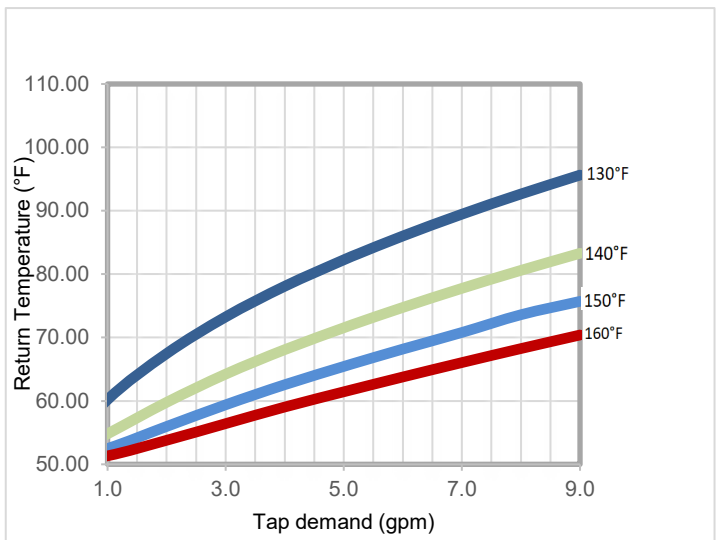
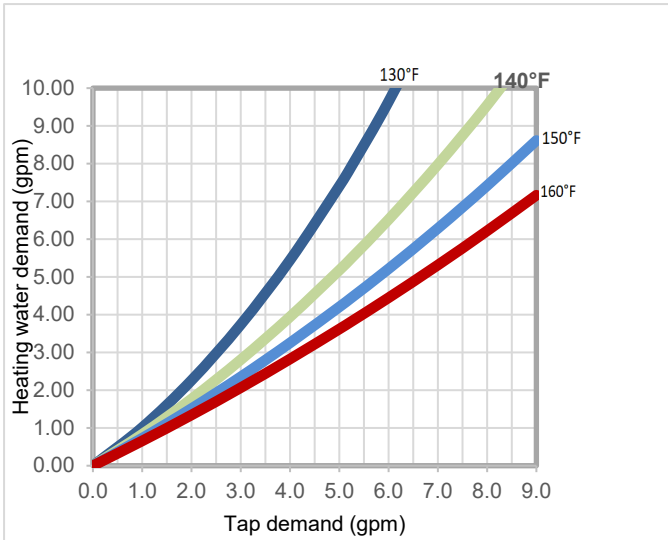


Performance curves and return temperatures for XP0525180 (5.25 gpm, 19.9 l/min)

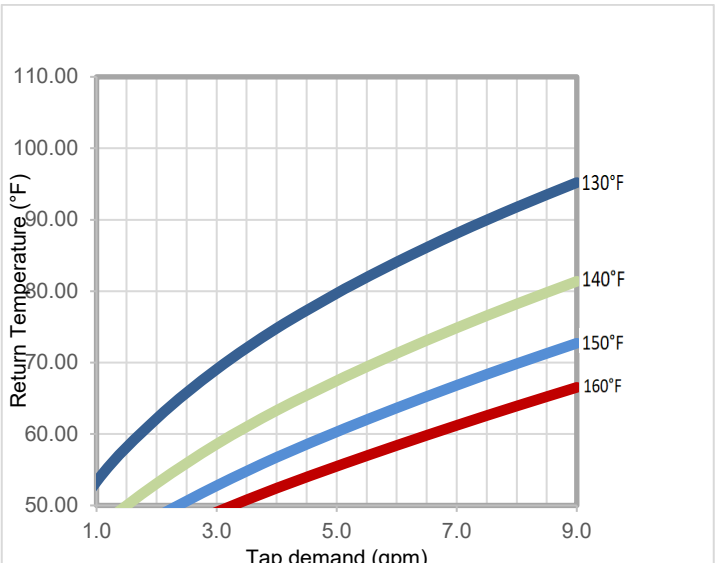
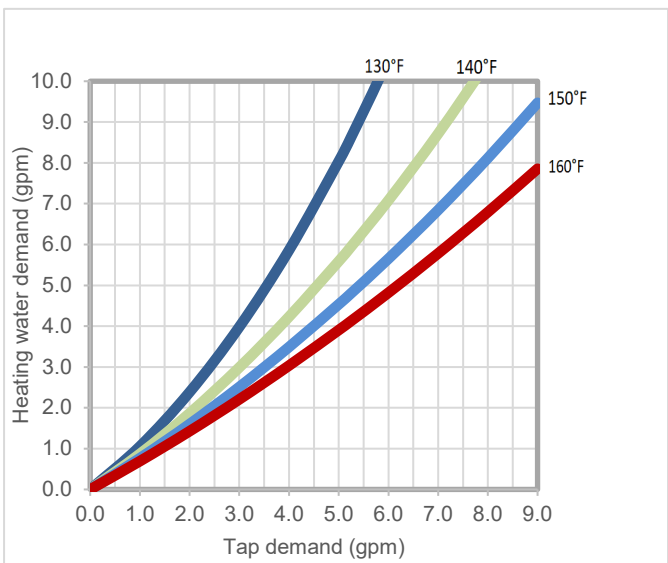
60°F Temperature Rise (60°F - 120°F)



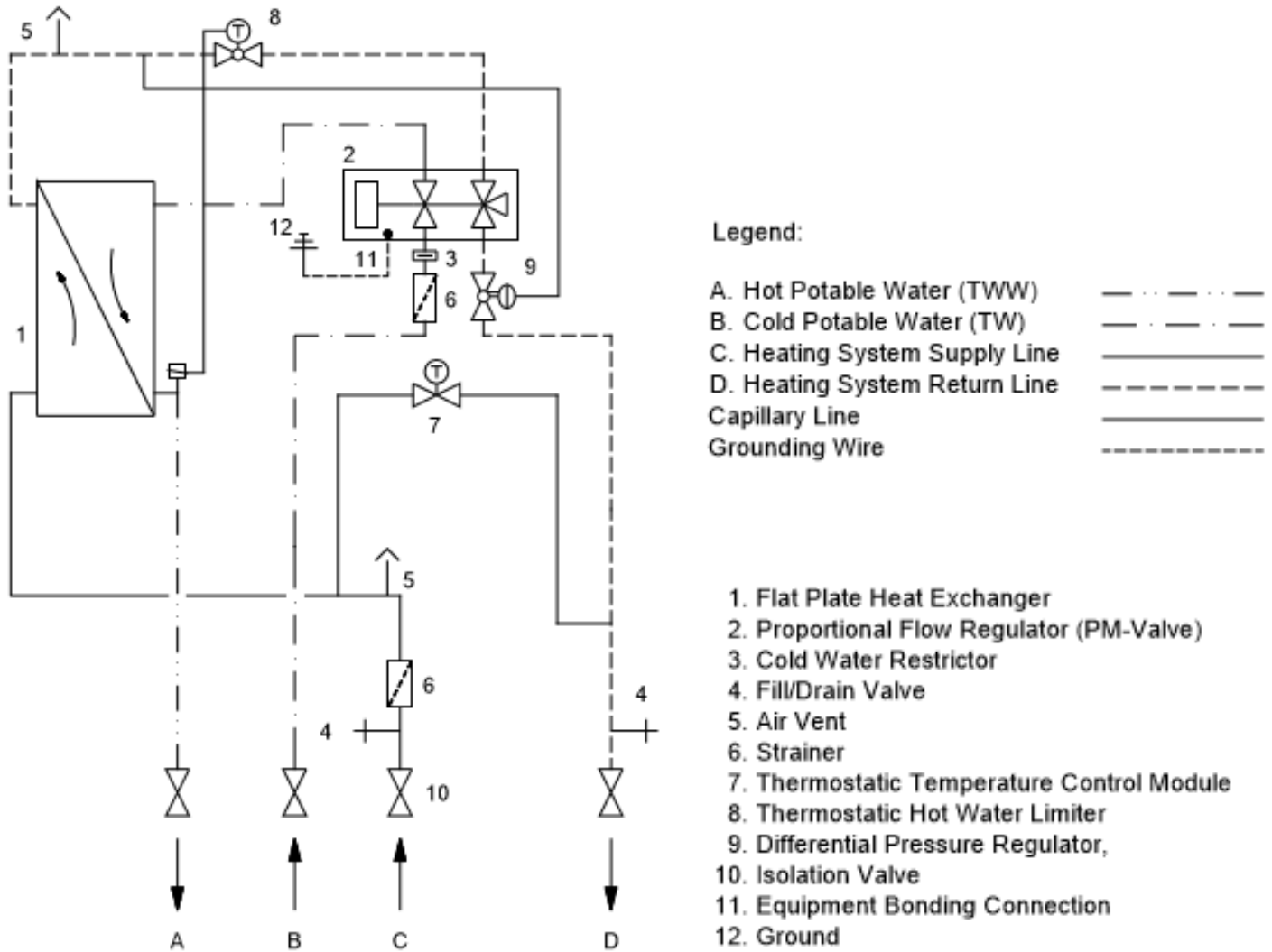
70°F Temperature Rise (50°F - 120°F)



80°F Temperature Rise (40°F - 120°F)



Hydraulic Scheme



Related applications

Domestic water
Hydronic heating hot water

Contact information

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