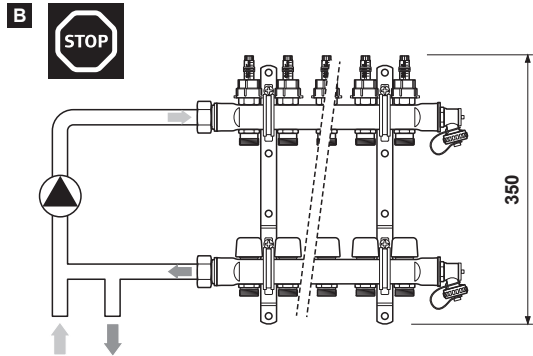
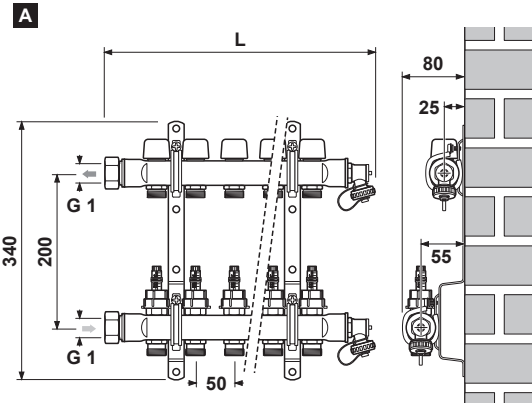


Uponor Smart S Manifold FM



n	L [mm]	n	L [mm]	n	L [mm]
2	210	6	410	10	610
3	260	7	460	11	660
4	310	8	510	12	710
5	360	9	560		



$\vartheta_{sec} = 15 - 60^{\circ}C$



$P_{max} = 6 \text{ bar}$



$P_{test} = 10 \text{ bar}$



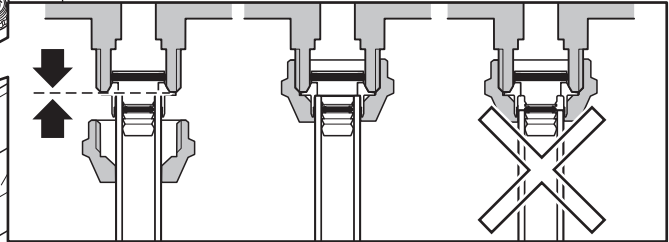
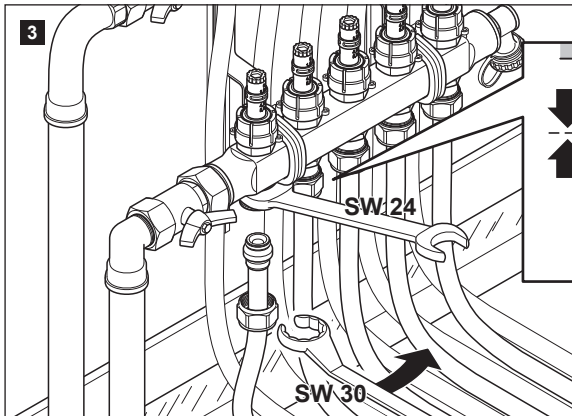
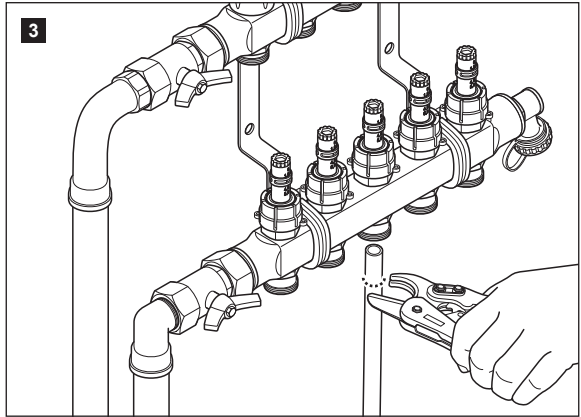
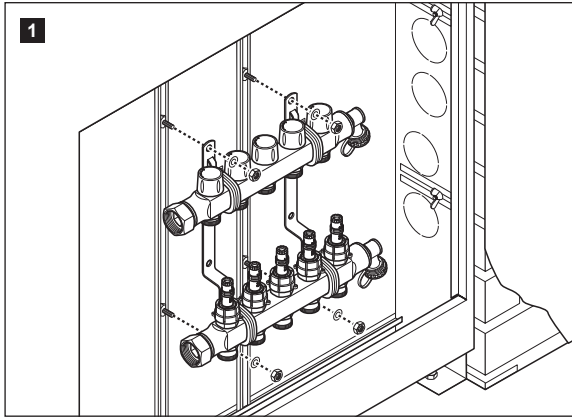
$kvs = 1,1 \text{ m}^3/h$

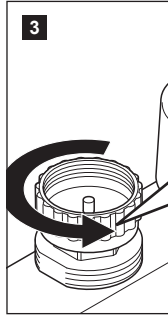
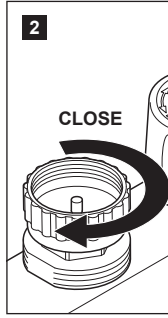
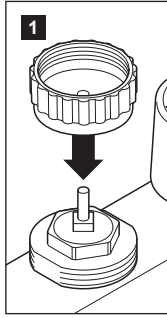


$kvs = 3,1 \text{ m}^3/h$



$\dot{V}_{max} = 3,6 \text{ m}^3/h (12 \text{ loops})$





1,5 L/min

0
1,0
2,0
3,0
4,0
5,0

Uponor floor heating calculations
 Uponor Fullbodenheizungsrechnung
 Uponor vloerverwarmingberekening
 Calculations du chauffage par le sol Uponor
 Calcolo riscaldamento a pannelli radianti Uponor

Room heating circuit data
 Raumheizungsdaten
 Rendite van vloerverwarmingssystemen
 Rendite van vloerverwarmingssystemen
 Rendite van vloerverwarmingssystemen

Room No.	Heating circuit No.	Quantity of water radiators	Volume of water radiators	Volume of water radiators
Ruimte No.	Verwarmingskring No.	Aantal van vloerverwarmers	Waterinhoud van vloerverwarmers	Waterinhoud van vloerverwarmers
Raum No.	Heizungskreis No.	Anzahl von Heizkörpern	Wassermenge der Heizkörper	Wassermenge der Heizkörper
Spazio No.	Circolo No.	Quantità di radiatori	Capacità di acqua radiatori	Capacità di acqua radiatori
1	1	4	4	4
1	2	8	8	8
2	3	5	5	5
3	4	11	11	11
4	5	1,5	4,5	4,5

