

Product documentation

Design temperatures and pressures – Prague

Pattern	Tube	Standard design pressure ^{4]}							Enhanced design pressure and temperature ^{2]}			
		water ^{3]} up to 110°C	water ^{3]} up to 130°C	water ^{3]} up to 130°C	R404A, R134A, R407(C ,f) (R22)	R290, hydro- carbon s	CO ₂ up to 100° C	R32	water ^{3]} up to 150°C	water ^{3]} up to 150°C	R410 A	CO ₂ up to 150° C
Maximum outside header diameter		4"1/8 G 3" (DN 100)	4"1/8 G 3" (DN 100)	1"5/8 G 1 1/4" (DN 32)	1"5/8 G 1 1/4" (DN 32)	1"1/8 (DN 25)	1/2" x 1mm	7/8" (DN 20)	1"5/8 G 1 1/4" (DN 32)	4"1/8 G 3" (DN 100)	1"5/8 (DN 32)	1/2" x 1mm
1S1	smooth	16 bar	12 bar	30 bar	30 bar	30 bar	-	30bar	16 bar	10 bar	42 bar	-
2S1 / 2S9	smooth, grooved	16 bar	12 bar	30 bar	30 bar	30 bar	-	42bar	16 bar	10 bar	42 bar	-
2S1 / 2S9	smooth thick.0,5 / 0,7mm	---	---	---	---	---	80 / 120 bar	-	---	---	---	70 /110 bar
3S2 / 3S9	Smooth	16 bar	12 bar	30 bar	30 bar	30 bar	-	-	16 bar	10 bar	---	-
3S2 / 3S9	grooved, transport	16 bar	12 bar	30 bar	30 bar	30 bar	-	42 bar	16 bar	10 bar	42 bar	-
3S3	Smooth	16 bar	12 bar	30 bar	30 bar	30 bar	-	-	16 bar	10 bar	---	-
3S3	grooved, transport	16 bar	12 bar	30 bar	30 bar	30 bar	-	42 bar	16 bar	10 bar	42 bar	-
4S4 / 4S6	Smooth	16 bar	12 bar	30 bar	30 bar	30 bar	-	-	16 bar	10 bar	---	-
4S4 / 4S6	Grooved	16 bar	12 bar	30 bar	30 bar	30 bar	-	42 bar	16 bar	10 bar	42 bar	-
5S4	Smooth	16 bar	12 bar	25 bar	25 bar	25 bar	-	-	14 bar	10 bar	---	-

Standard Design temperature –30°C to +130°C^{1]}

1] the refrigerant must be compatible with the coil material, shall not freeze or form deposits within the range of use

2] on special request; enhanced design pressure and temperature shall be stated on the drawing (used the same material specifications...alloys, thickness)

3] water and overheated water including ethylene- and propylene-glycol water solutions

4] design pressure will be reduced if the coil accessories contains components with lower design pressure (e.g. 2.5 bar for water coils with cast brass elements)

Please contact the factory for other refrigerants or requirements outside the above mentioned Design temperatures and pressures

See instructions for storage, installation, maintenance and operation in DOC-011

Nota: Historically, the 2S9 and 3S9 patterns could be mentioned as 2P1 or 2P9 and 3P2 or 3P9, respectively, on company drawings and other documents