

## Product documentation

### Design temperatures and pressures . Prague

Pattern	Tube	Standard design pressure <sup>4]</sup>							Enhanced design pressure and temperature <sup>2]</sup>			
		water <sup>3]</sup> up to 110°C	water <sup>3]</sup> up to 130°C	water <sup>3]</sup> up to 130°C	R404A, R134A, R407(C ,f) (R22)	R290, hydro- carbon s	CO <sub>2</sub> up to 100° C	R32	water <sup>3]</sup> <sup>1]</sup> up to 150°C	water <sup>3]</sup> <sup>1]</sup> up to 150°C	R410 A	CO <sub>2</sub> 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 $\bar{E}30^{\circ}\text{C}$ to $+130^{\circ}\text{C}$ <sup>1]</sup>

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