

MKC - Halcor

Betriebsdrücke

bar

dimension 6m SL	dimension	Temper	MAP
1/4"	6,35 x 0,70	R250	147
3/8"	9,52 x 0,91	R250	126
1/2"	12,70 x 0,91	R250	92
5/8"	15,87 x 0,91	R250	73
3/4"	19,05 x 1,02	R250	64
7/8"	22,22 x 1,22	R250	65
1 1/8"	28,57 x 1,27	R250	52
1 3/8"	34,92 x 1,22	R250	41

dimension 6m SL	dimension	Temper	MAP
1 5/8"	41,27 x 1,22	R290	34
2 1/8"	53,97 x 1,60	R290	34
2 5/8"	66,67 x 2,03	R290	35
3 1/8"	79,37 x 2,03	R290	30
3 5/8"	92,07 x 2,64	R290	33
4 1/8"	104,77 x 2,64	R290	29

dimension 30m PNC	dimension	Temper	MAP
1/4"	6,35 x 0,70	R220	147
3/8"	9,52 x 0,80	R220	109
1/2"	12,70 x 0,80	R220	80
5/8"	15,87 x 0,90	R220	72
3/4"	19,05 x 1,00	R220	62

SPECIFICATION: ACR/MEDICAL EN 12735-1/13348

MAP: Maximum Allowable Pressure

- The Maximum Allowable Pressure (MAP) is calculated according to the DBF (Design by Formula) method of EN14276-2:2020 which complies with the European Pressure Equipment Directive (PED) 2014/68/EU.
- The minus tolerance of the wall thickness is considered, according to EN12735-1 / EN 13348 specifications (these standards specify the same wall thickness tolerance).
- For Cu-DHP material the design temper is R200 irrespective of the supplied temper (R220, R250 or R290) acc. to EN14276-1:2020
- The design stress is determined as $R_{m/t}/3.0=200/3.0$, where $R_{m/t}$ is the tensile strength of the design temper (R200) at temperature $t(^{\circ}\text{C})$ and "3.0" is the safety factor acc. to EN14276-1:2020.
- MAP ratings do not alter for operating temperatures from -196°C up to 100°C according to EN14276-1:2020.
- No corrosion allowance is taken into account. No further processing is taken into account.