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SERIES FRABO FRIO: PRESSURE AND TEMPERATURE LIMIT RATES Temperature from -40°C up to a 95°C Temperature from 95°C up to 120°C Nominal diameter Estimated Burst Estimated Burst Estimated Burst Estimated Burst Estimated Burst Estimated Burst Pressure Estimated Burst Estimated Burst (inches) Pressure SF=2 Pressure (bar) Pressure SF=3 Pressure SF=4 Pressure (bar) SF=2 Pressure SF=3 Pressure SF=4 1/4 242.0 121.0 80,7 60,5 198.0 99,0 66,0 49,5 3/8 191,0 95,5 63,7 47,8 78,5 157.0 52,3 39,3 1/2 164.0 82.0 54.7 41.0 67.5 45.0 33.8 135.0 5/8 147.0 73.5 49.0 36.8 121.0 60.5 40.3 30,3 3/4 43,7 131,0 65,5 32,8 108,0 54,0 36,0 27,0 7/8 120.0 60,0 40.0 30.0 49.0 32.7 98.0 24.5 1 56,5 37,7 138,0 69,0 46,0 34,5 113,0 28,3 1 1/8 35,3 44,5 29,7 106,0 53,0 26,5 89,0 22,3 13/8 95,0 47,5 31,7 23,8 80.0 40.0 26,7 20,0 15/8 94.0 47.0 31.3 23.5 79.0 39.5 26.3 19.8 2 1/8 27,7 83,0 41,5 20,8 70,0 35,0 23,3 17,5 2 5/8 76.0 38,0 25,3 19,0 64.0 32,0 21.3 16.0 3 1/8 72.0 36.0 24.0 18.0 60.0 30.0 20.0 15.0 3 5/8 71,0 35,5 23,7 17,8 60,0 30,0 20,0 15,0 4 1/8 70.0 35.0 23.3 17,5 59.0 29.5 19,7 14.8 The values shown in the table above have been calculated by using the formula shown on the right. PS= Estimated Burst Pressure (bar) Rm= Estimated mechanical resistance of the fitting material (Copper Cu DHP) (N/mm2) Rm x S PS = KxS= Fitting thickness (mm) Dn= nominal diameter (mm) Dn X FS FS=Safety factor K=Correction Coefficient That the copper end fittings belonging to the series FRABO FRIO comply with the requirements of ASME B 16-22 standard and shall be hard brazed according the relevant rules of good practice.

The application of the fittings is limited to the compatible fluids within the pressure and temperature limits prescribed in the table above (ask Fra.Bo's technical service for further details).

SEDE PRODUTTIVA: Via Circonvallazione, 7 - 26020 Bordolano (CR) - Italy

Iscr. C.C.I.A.A. BS n° 00111060190 . REA n° 333722 . Cap. Soc. € 1.560.000.00 i.v. . C.F. /P.IVA IT00111060190

REMARK

The application framework described by standards EN 14276 and EN 378 requires, in relation to burst pressure calculation, a FS ≥ 3