

General Information

The KCT-process was developed on the premises of the ARMANO Messtechnik GmbH in order to connect the PTFE-foil completely with a chemical seal. The physical and chemical application fields of PTFE are manifold and are influenced by the particular medium.

Characteristics PTFE

- High chemical wear resistance
- Excellent anti-adhesive qualities
- Very good protection against abrasion
- Very low friction
- High temperature resistance (see page 2)
- PTFE-foils can be processed up to 0.5 mm (0.02"), at negligible influence on the result of measurement

Standard: PTFE in grey – FDA-approval
Option: PTFE in black – antistatic

Terms

KCT-process – joining process

Reference to Other Documents

- FL_7_004_Coatings-Chemical Seals
- FL_7-003 Materials-Foils-Coatings
- PB_7_054_A4_PTFE-foil

Selection of the PTFE Chemical Seals to be Coated With Our KCT-process

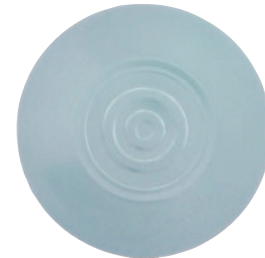
Type MDM	Version / Standard	DS
7210		7210
7310	DIN 11851	7300
7350	ISO2853	7300
7370	SMS	7300
7380	DS722	7300
7355	ISO2853 (IDF)	7300
7340	ISO2852	7300
7340.1	DIN32676, series A	7300
7340.6	Tri-Clamp	7300
7311	Südmo W500 (groove union nut)	7301
7315.1	DIN 11864-1 form A, series A (thread fitting)	7302
7315.2	DIN 11864-1 form A, series B (thread fitting)	7302
7315.3	DIN 11864-1 form A, series C (thread fitting)	7302
7393.1	DIN 11864-2 form A, series A (loose flange)	7302
7393.2	DIN 11864-2 form A, series B (loose flange)	7302
7393.3	DIN 11864-2 form A, series C (loose flange)	7302
7340.58	DIN 11864-3 form A, series A (loose clamp)	7302
7340.63	DIN 11864-3 form A, series B (loose clamp)	7302
7340.64	DIN 11864-3 form A, series C (loose clamp)	7302
7450	chemical seal, screw-in type with hexagon nut	7400
7510	DIN EN 1092-1 form B (flange type)	7500
7520	ASME B 16.5 form RF (flange type)	7500
7550	DIN EN 1092-1 form B (cellular type)	7505
7560	ASME B 16.5 form RF (cellular type)	7505

Additional process connections upon request.
Do not hesitate to contact us.

Examples



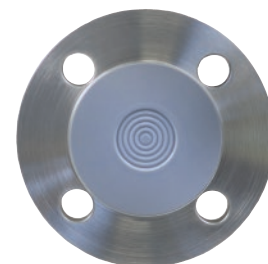
7340 / 7340.1 / 7340.6 clamp type chemical seal



7550/7560 cellular type chemical seal



7210/7211 diaphragm seal



7510/7520 flange type chemical seal

Correlation max. pressure at operating temperature

