

TÜV-Verband Type Test Leaflet component
Type tested component
Type test approval No. 24-014

BP KOMP 0014-eng:2024-12-05
Replaces BP KOMP 0014-eng:2019-01-18

According to test report of TÜV SÜD Industrie Service GmbH dated 2024-10-21

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English translation of German edition 2024-12-05:

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1 Manufacturer/Distributor

Ham-Let
Nof Hagalil, 1710801
Ziporit Industrial Zone
P.O. Box 824
ISRAEL

2 Type

HAM-LET HTC® Fittings

Models

metal gasket face seal fittings, size range from 1/8" to 1"

3 Type test approval mark

TÜV . K . 24 - 014

4 Range of application

connection elements for pipes and tubes

5 Normative references

- ASTM F1387-99 (Reapproved 2012) „Standard Specification for Performance of Piping and Tubing Mechanically Attached Fittings”
- VdTÜV-Merkblatt Komponenten 100, edition 2017-03-20, in conjunction with TÜV-Verband-Merkblatt Allgemeines 002, edition 2022-09-20
- essential safety requirements laid down in Directive 2014/68/EU from 15 May 2014 (Pressure Equipment Directive)

6 Technical description**6.1 Design**

Basic types:

- face-sealing connection
- welded connection
- tube closure (cap)
- tube connection accessories

Basic forms:

- closure cap (1 connection)
- union connection
- union fitting (straight fitting – 2 connections)

- elbow fitting (angled fitting – 2 connections)
- tee fitting (3 connections)
- cross fitting (4 connections)

6.2 Operating medium

Gaseous and liquid fluids of group 1 (dangerous) and 2 (all other). The fluid resistance of the material at design conditions shall be examined for each individual case.

6.3 Pressure rating/operating pressure

Type of Fitting	Description	Shapes	Nominal Diameters
metal gasket face seal fittings	HTC® fittings	Shaped unions Threaded straight connectors Glands Long weld connectors Mini butt welds Swivel connectors High flow connectors Caps, nuts and plugs	1/8" to 1"
Fitting Sizes	Wall Thickness	Max. Pressure Ratings (PSI/bar)	Material
1/8"	0.028"	8550/590	316L
1/4"	0.035"	5100/352	316L
3/8"	0.035"	3300/228	316L
1/2"	0.049"	3500/241	316L
3/4"	0.065"	3350/231	316L
3/4"	0.049"	2400/165	316L
1"	0.065"	2400/165	316L

6.4 Allowable temperature range

TS_{min/max}: 0 °C to 538 °C

6.5 Materials

The tube fittings are manufactured of 1.4404/316L according to DIN EN 10272 and DIN EN 10222-5, as well as ASTM A276, ASTM A479 and ASTM A182. Material tests are documented with an inspection certificate according to DIN EN 10204, type 3.1.

7 Particular requirements

The manufacturer tests the fittings in accordance with the product-specific requirements of the applicable regulations mentioned in section 5.

8 Remarks

In case of doubt or dispute between the German and English versions of this type test leaflet, the German version shall prevail.