

AFLEX Hose Bioflex Ultra, smooth bore PTFE hose



Application

- very flexible PTFE suction and delivery hose for high loads
- suitable for the pharmaceutical industry and food industry
- the unique patented design makes the hose smooth on the inside, very flexible, virtually kink-resistant and easy to clean
- it can be installed in confined spaces, as the flow is guaranteed even with a very small bending radius
- the design ensures a higher flow rate and a lower pressure drop than with a corrugated PTFE hose
- for environments where hygiene is important, the hose is available with an outer cover made of food-safe rubber
- Recommended in: Food & Beverages, Pharma

Technical Information

Temperature range

- -73 °C to +260 °C
- for autoclave cleaning, a maximum temperature of 135 °C applies for at least 300 x 30 minutes

Burst pressure

- safety factor 4:1

Test pressure

- 1.5 x maximum operating pressure

Vacuum resistance*

- 90% to 200 °C
- *) to 200 °C; At temperatures > 200 °C, the vacuum resistance decreases by 2% for every 1°C that the temperature increases.

Construction

Inner wall

- white PTFE
- smooth, seamless inner wall, phthalate-free
- "rib" profile on the outside

Reinforcement

- stainless steel spiral AISI 316

Outer cover

- stainless steel braiding AISI 316

Execution

Couplings

- PTFE crimping or hydraulically and hygienically pressed

Approval

Standards/approvals

- EC1935/2004 - EU 10/2011 A,B,C,D1,D2,E
- FDA 21 CFR 177.1550
- USP VI
- 3A for the PTFE base material

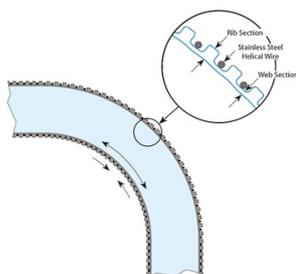
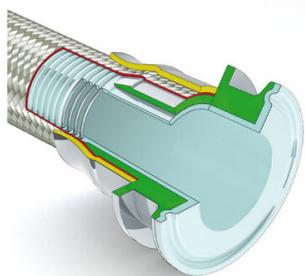
Options

Other versions

- Bioflex Ultra PB: white PTFE with PP braiding (up to 100 °C)
- Bioflex Ultra RC: white PTFE with blue EPDM coating (up to 150 °C)
- Bioflex Ultra SI: white PTFE with transparent or semi-transparent silicone coating (up to 204 °C)
- Bioflex Ultra BK: white PTFE with black, antistatic, fire-resistant EPDM coating (up to 150 °C)

Options

- image is for illustration purposes only
- hoses with Hastelloy braiding available on request
- hoses in antistatic design (black PTFE) available on request
- available with full-length stainless-steel protective spiral
- pressure test report
- clearly visible laser engraving on rotatable sleeve



Description	Article
Slang webshop Bioflex Ultra DN25 2xP/W	13175429
Slang webshop Bioflex Ultra DN25 2xTC	13175430

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