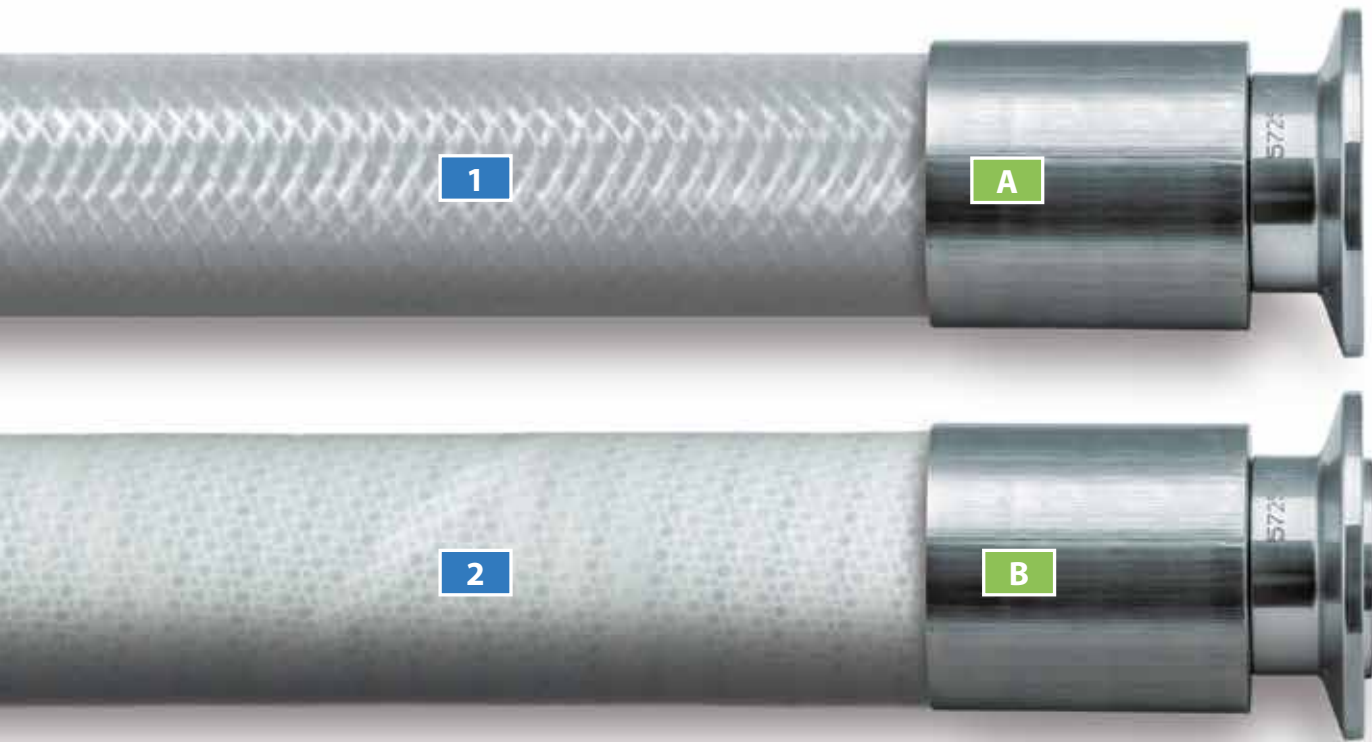




PHARMACEUTICAL HOSES

IN SILICONE, EPDM AND PFA

For applications in the pharmaceutical
and biotech industries.



CONNECT THE WAY YOU WANT.

The flexible Dockweiler connection that connects seamlessly.

As a manufacturer of high purity stainless steel tube systems, Dockweiler has been familiar with the requirements of the pharmaceutical industry for decades. Having added a new range of elastomeric and thermoplastic hoses, we are now able to offer our customers complete hose systems as a one-stop provider. As always, these products meet the well known Dockweiler quality standards.

The advantages at a glance:

- Dockweiler supplies all hose systems as a one-stop provider, ensuring that your particular system is optimally configured.
- All hoses and fittings are made of high-quality materials.
- Full traceability across all stages of manufacture.
- High quality crimping that minimizes gaps.
- The hoses are freely configurable, i.e. the fittings can be combined with the hoses as desired.
- Fast processing and delivery.
- Optional: PolyFlow PTR hoses crimped without dead space - no gap up to the seal.



Available hose types:

- 1 PolyFlow ST** – Platinum-cured silicone, braid-reinforced
- 2 PolyFlow STR** – Platinum-cured silicone, braid-reinforced with stainless steel wire reinforcement
- 3 Polyflow ETR** –Braid-reinforced and with stainless steel wire reinforcement, outside blue EPDM, inside food grade white EPDM
- 4 PolyFlow PTR OHM** – Black, electrically conductive PTFE (Teflon®) inside, EPDM, fabric and >1» also stainless steel wire reinforced outside
- 5 PolyFlow PTR** – Inside white PTFE (Teflon®), outside EPDM, reinforced with fabric and >1 also with stainless steel wire




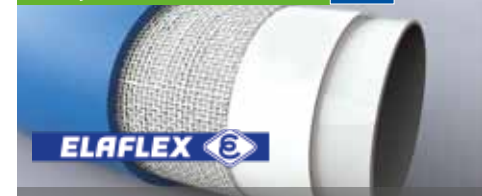

Available connections:

- A TriClamp connections** in accordance with DIN 32676 and ASME BPE 2016
Materials: 1.4404 / UNS S31603 (316L), optionally 1.4435 / UNS S31603 (316L)
- B Aseptic connections** in accordance with DIN 11864 Form A, all versions. Material: 1.4435 / UNS S31603 (316L)
- C Welding ends** for orbital welding. Material: 1.4435 / UNS S31603 (316L)
- D ZeroCon connection with no dead space** Material: 1.4435 / UNS S31603 (316L)
- E Further connections** on request

Inner surface roughness ≤ 0.8µm, also lower on request and with electropolished surface

QUALITY PLUS FLEXIBILITY.

The advantages of Dockweiler hoses at a glance.

<p>PolyFlow ST</p>  <p>Platinum-cured silicone, braid-reinforced</p>	<p>Construction Outside and inside consisting of high purity silicone. High-heat resistant braid insert.</p> <p>Applications Suitable for pharmaceutical, biotech, cosmetic, and food applications, even at high temperatures (injection products, blood plasma, high purity water, and liquid food-stuffs). Not suitable for vacuum applications.</p>	<p>Available sizes 1/4" - 1", bei Bedarf weitere Abmessungen</p> <table border="1"> <thead> <tr> <th>Maximum length</th> <th>min. Bending radius</th> </tr> </thead> <tbody> <tr> <td>25 m, from a diameter of 25 mm 10 m only</td> <td>40 mm (1/4") - 120 mm (1")</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th>Temperature range</th> <th>Working pressure</th> </tr> </thead> <tbody> <tr> <td>- 60° bis + 180°C</td> <td>6.0 bar (1/4") - 2.5 bar (1")</td> </tr> </tbody> </table>	Maximum length	min. Bending radius	25 m, from a diameter of 25 mm 10 m only	40 mm (1/4") - 120 mm (1")	Temperature range	Working pressure	- 60° bis + 180°C	6.0 bar (1/4") - 2.5 bar (1")	<p>Cleaning options Sterilizable with steam (40 min, 3 bar at 124°C) or radiation, autoclavable</p> <p>Conformity FDA 21 CFR - 177 2600, BgVV Type II, USP class VI, USP Physicochemical 661, Cytotoxicity, Hemolysis, European Pharmacopoeia 3.1.9.</p>
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<p>PolyFlow STR</p>  <p>Platinum cured silicone, braid-reinforced and with stainless steel wire reinforcement</p>	<p>Construction Exterior and interior made of high purity silicone, platinum cured. High-heat resistant textile insert, reinforced with stainless steel wire spiral.</p> <p>Applications Suitable for pharmaceutical, biotech, cosmetic, and food applications even at high temperatures (injection products, blood plasma, high purity water, and liquid food-stuffs).</p>	<p>Verfügbare Abmessungen 1/2" - 2", bei Bedarf weitere Abmessungen</p> <table border="1"> <thead> <tr> <th>Maximum length</th> <th>min. Bending radius</th> </tr> </thead> <tbody> <tr> <td>40 m</td> <td>60 mm (1/2") - 210 mm (2")</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th>Temperature range</th> <th>Working pressure</th> </tr> </thead> <tbody> <tr> <td>- 60° bis + 200°C</td> <td>6.5 bar (1/4") - 6 bar (2")</td> </tr> </tbody> </table>	Maximum length	min. Bending radius	40 m	60 mm (1/2") - 210 mm (2")	Temperature range	Working pressure	- 60° bis + 200°C	6.5 bar (1/4") - 6 bar (2")	<p>Cleaning options Sterilizable with steam (40 min, 3 bar at 124°C) or radiation, autoclavable</p> <p>Conformity FDA 21 CFR - 177 2600, USP Klasse VI, 3-A Sanitary Standard, EC 1935/2004, EC 2023/2006, DM21/03/1973, BfR XV and XXI cat.2, ISO 10993-8, -10 and -11</p>
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<p>PolyFlow ETR</p>  <p>Braid-reinforced with stainless steel wire reinforcement, blue EPDM, food grade white EPDM inside.</p>	<p>Construction Inside white food grade EPDM, outside blue EPDM plastic, fabric and stainless steel wire reinforced.</p> <p>Applications All food applications, including in the high temperature range</p>	<p>Available sizes 3/4" - 2", other sizes as required</p> <table border="1"> <thead> <tr> <th>Maximum length</th> <th>min. Bending radius</th> </tr> </thead> <tbody> <tr> <td>40 m</td> <td>120 mm (3/4") - 300 mm (2")</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th>Temperature range</th> <th>Working pressure</th> </tr> </thead> <tbody> <tr> <td>- 30° to + 120°C</td> <td>6.5 bar (1/4") - 4.0 bar (2")</td> </tr> </tbody> </table>	Maximum length	min. Bending radius	40 m	120 mm (3/4") - 300 mm (2")	Temperature range	Working pressure	- 30° to + 120°C	6.5 bar (1/4") - 4.0 bar (2")	<p>Cleaning options Sterilizable with steam (40 min, 3 bar at 124°C) or radiation, autoclavable</p> <p>Conformity FDA 21CFR - 177 2600, BGVV Type II, USP Physicochemical 661</p>
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<p>PolyFlow PTR</p>  <p>ELAFLEX FLARED Inside white PTFE (Teflon®), outside EPDM, fabric with stainless steel wire reinforcement</p>	<p>Construction Inside smooth PFA, outside high purity, platinum-cured silicone. High-heat resistant braid insert, reinforced with stainless steel wire spiral.</p> <p>Applications Suitable for transporting food, chemical, cosmetic, pharmaceutical, and biotech products. Excellent thermal properties, even with very aggressive media. Avoids risk of degradation and product contamination. Very resistant to repeated dynamic processes. Frequently used in dosing and filling systems.</p>	<p>Verfügbare Abmessungen 1/2" - 2"</p> <table border="1"> <thead> <tr> <th>Maximum length</th> <th>min. Bending radius</th> </tr> </thead> <tbody> <tr> <td>40 m</td> <td>110 mm (1/2") - 210 mm (2")</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th>Temperature range</th> <th>Working pressure</th> </tr> </thead> <tbody> <tr> <td>- 30° to + 150°C</td> <td>6.5 bar (1/2" - 2")</td> </tr> </tbody> </table>	Maximum length	min. Bending radius	40 m	110 mm (1/2") - 210 mm (2")	Temperature range	Working pressure	- 30° to + 150°C	6.5 bar (1/2" - 2")	<p>Cleaning options Sterilizable with steam (30 min, at 130°C), autoclavable</p> <p>Conformity FDA 21 CFR - 155 1550, USP Klasse VI, BFR XXI, EC 10/2011, 1282/2011, 1183/2011, 202/2014, 1935/2004, 2023/2006, Bed.Ggst V, 24.6.2013, LFGB</p>
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<p>PolyFlow PTR OHM</p>  <p>ELAFLEX FLARED Black, electrically conductive PTFE (Teflon®) inside, EPDM outside, braid with stainless steel wire reinforcement</p>	<p>Construction Inside smooth PFA, fully fluorinated, antistatic (R≤10⁶ Ohm) outside smooth marble finished, patented, antistatic (R≤10⁶ Ohm). High-heat resistant braid insert, reinforced with stainless steel wire spiral.</p> <p>Applications Suitable for transporting food, chemical, cosmetic, pharmaceutical, and biotech products. Excellent thermal properties, even with very aggressive media. Avoids risk of degradation and product contamination. Dead space free flared version for applications with highest cleanliness requirements.</p>	<p>Available sizes 1/2" - 2"</p> <table border="1"> <thead> <tr> <th>Maximum length</th> <th>min. Bending radius</th> </tr> </thead> <tbody> <tr> <td>40 m</td> <td>110 mm (1/2") - 210 mm (2")</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th>Temperature range</th> <th>Working pressure</th> </tr> </thead> <tbody> <tr> <td>- 30° to + 150°C</td> <td>6.5 bar (1/2" - 2")</td> </tr> </tbody> </table>	Maximum length	min. Bending radius	40 m	110 mm (1/2") - 210 mm (2")	Temperature range	Working pressure	- 30° to + 150°C	6.5 bar (1/2" - 2")	<p>Cleaning options Sterilizable with steam (30 min, at 130°C), autoclavable</p> <p>Conformity FDA 21 CFR - 155 1550, USP Klasse VI, BFR XXI, EC 10/2011, 1282/2011, 1183/2011, 202/2014, 1935/2004, 2023/2006, Bed.Ggst V, 24.6.2013, LFGB</p>
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NO GAP UP TO THE SEAL.

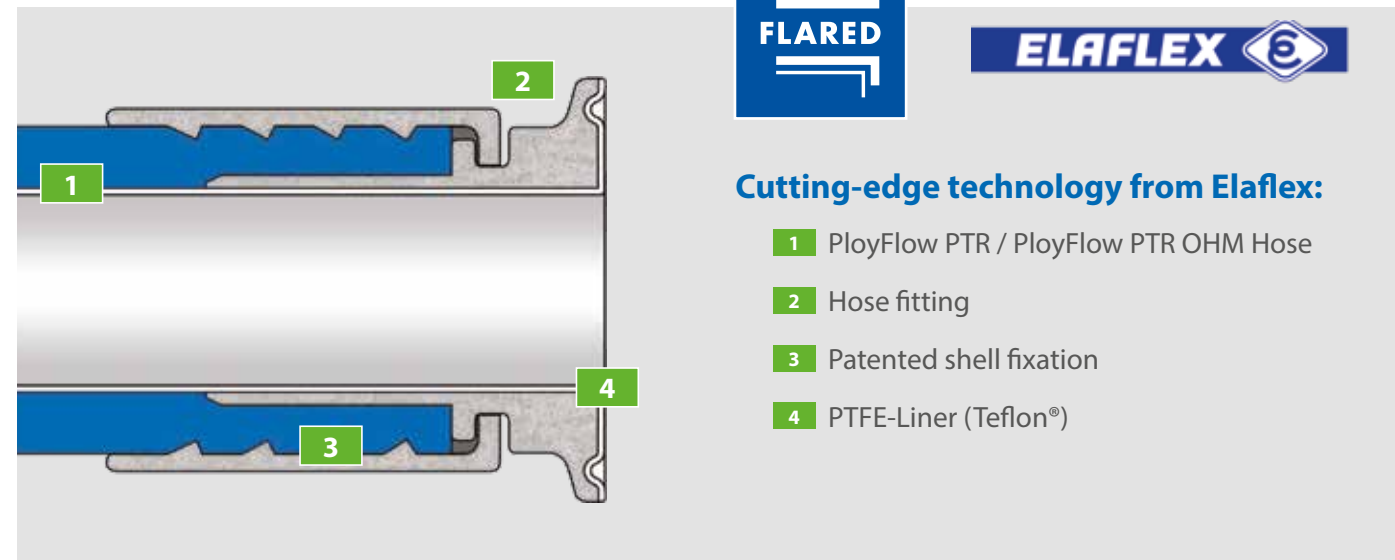
ELAFLEX technology for highest purity.

GAP-FREE DUE TO SPECIALLY PRESSED HOSE FITTING

For high-purity applications in the pharmaceutical industry and biotechnology, we offer PolyFlow-PTR „FLARED“ and PolyFlow-PTR OHM „FLARED“ tubing with ELAFLEX technology – a specially swaged tubing fitting with a flanged PTFE liner.

The homogeneous elastomer hose construction with smooth PTFE liner (Teflon®) is designed to meet the highest demands for cleanliness, hygiene and easy cleaning. The connection fitting has no contact with the medium, as the special compression allows no gap or dead space up to the seal. Each pressed stainless steel hose fitting has a corresponding marking.

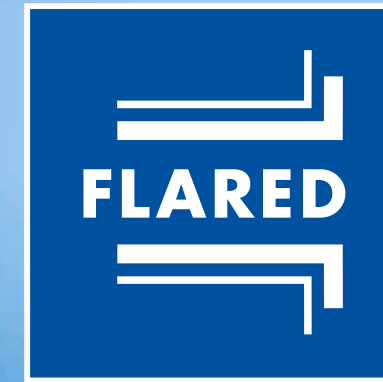
The hoses can be cleaned quickly and easily. This saves time and costs.



CONNECTING FLOW TO PURITY – FOR MORE THAN 60 YEARS

Dockweiler has been a leading manufacturer of stainless steel tube systems for over 60 years. The company is known worldwide for the highest quality: in our tubing systems, in our advice and in our service.

With the same claim, Dockweiler now also offers plastic tubing for the pharmaceutical industry and biotechnology.



Cutting-edge technology from Elaflex:
The specially pressed hose fitting with flanged PTFE liner «FLARED» is completely free of dead space.

Easy cleaning and fast residual emptying
save time and costs.



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