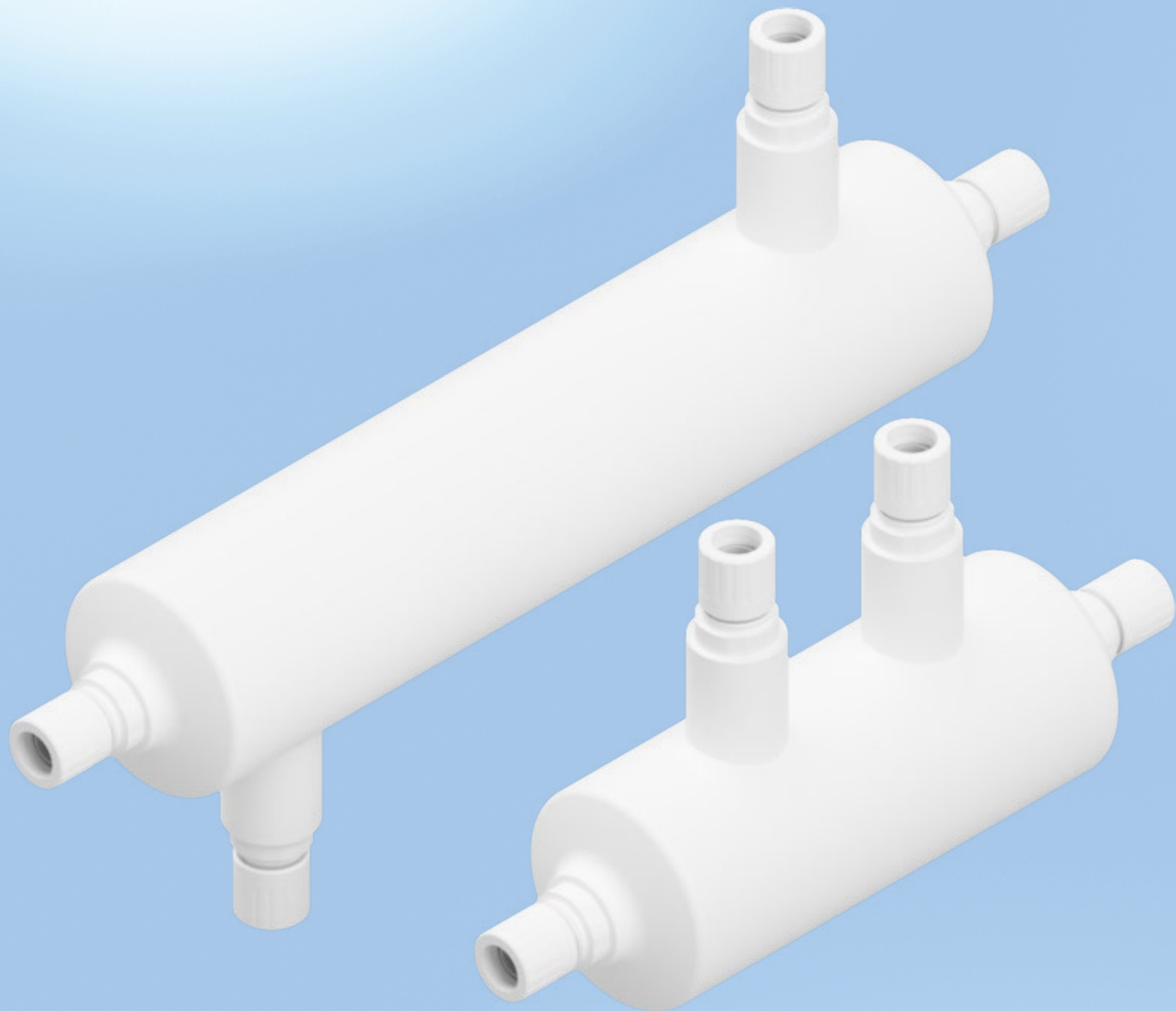


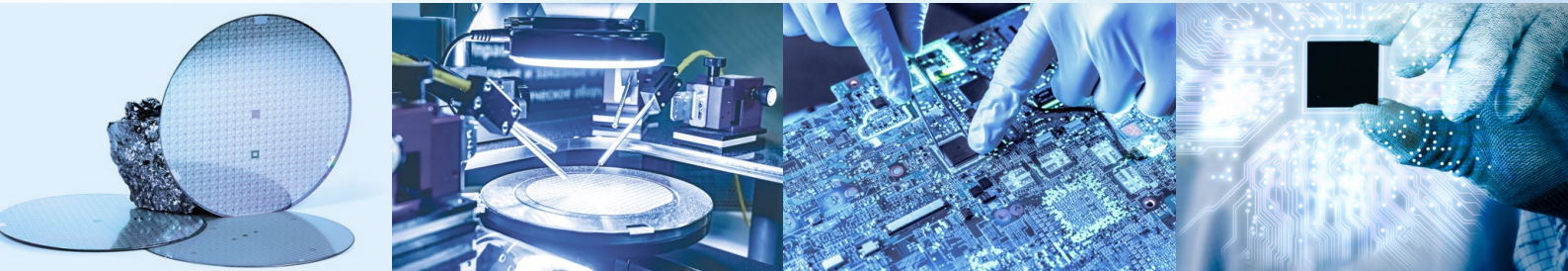
Thermo-X™

High Standard Shell and Tube Heat Exchanger

Highest Thermal Efficiency for Ideal Heat Transfer



Highest Thermal Efficiency for Ideal Heat Transfer



Thermo-X™

High Standard Shell and Tube Heat Exchanger

First Level Temperature Control for High Purity Applications

Our Thermo-X™ high standard shell and tube heat exchanger for demanding processes which require precise managed fluid temperature combining the highest level of purity. The Thermo-X™ high standard shell and tube heat exchanger made from PFA is the best choice for controlled heating or cooling of ultrapure water, corrosive chemicals and acids which are used in pharmaceutical applications, electronic industry as well as in semiconductor range. Depending on the application and the process data (temperatures, used medias) the material Moldflon™-PVDF presents a cost efficient alternative to Moldflon™-PFA.

Specifications

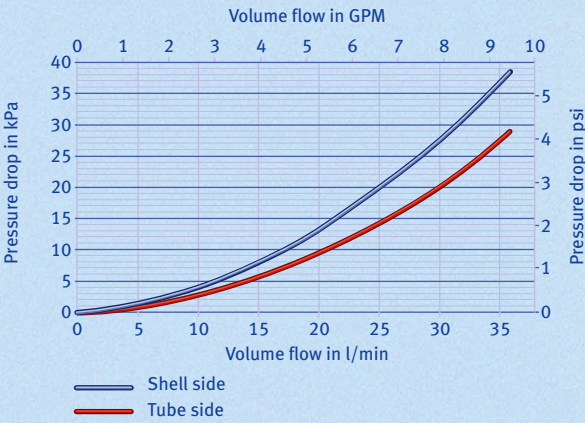
- Shell and tube heat exchanger made of pure Moldflon™-PFA or Moldflon™-PVDF
- Available in two versions with 0.3m² [3.2ft²] and 0.8m² [8.6ft²] heat exchange area
- Operation in counter flow and parallel flow possible
- Available with commercial compression- or hose fittings
- The 0.3m² [3.2ft²]-version is available with connections on same side (U-shape)
- The 0.8 m² [8.6ft²]-version is available in U-shape as well as in S-Shape (one connection on the opposite side)

Applications

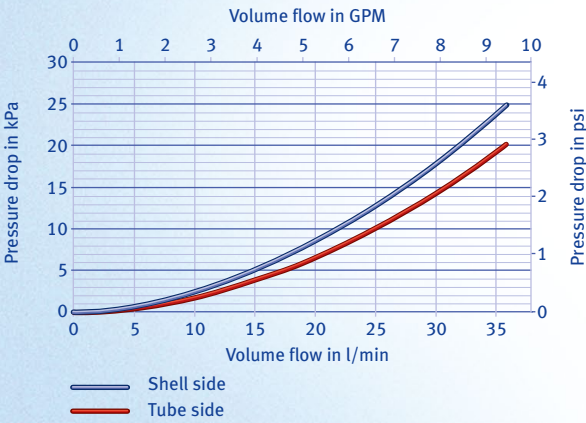
- Laboratory application: heating or cooling of biochemical fluids
- Ultra-pure water application
- Photochemical industry
- Semiconductor industry
- Thermo Management

Performance

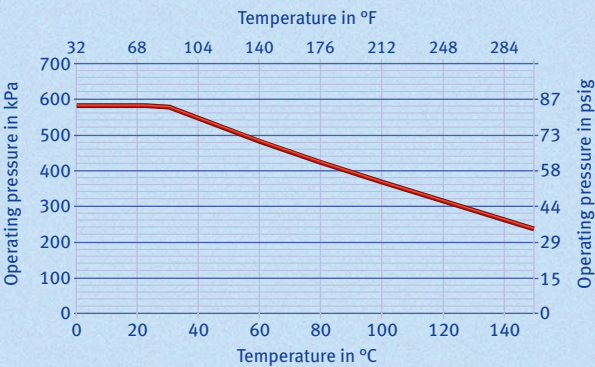
Pressure drop for heat exchanger with 0.8m² [8.6ft²]



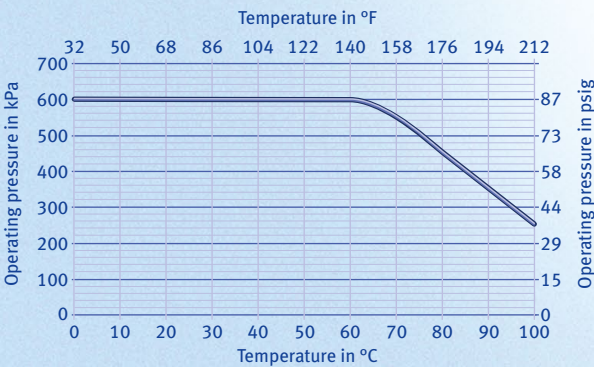
Pressure drop for heat exchanger with 0.3m² [3.2ft²]



Operating pressure range for Moldflon™-PFA

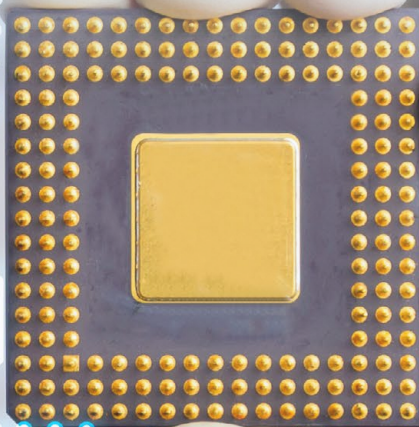
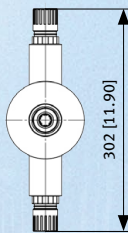
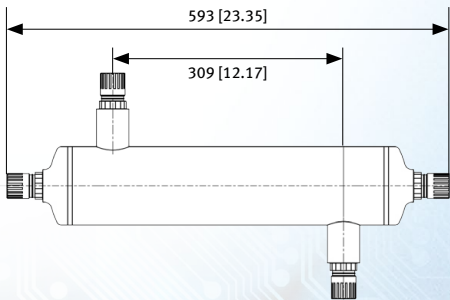
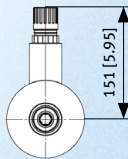
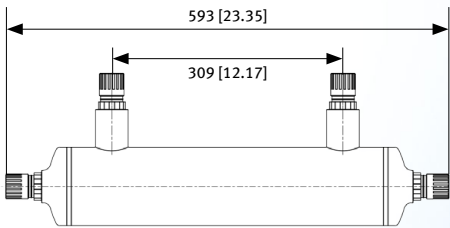
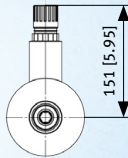
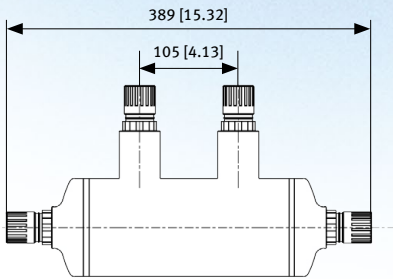


Operating pressure range for Moldflon™-PVDF

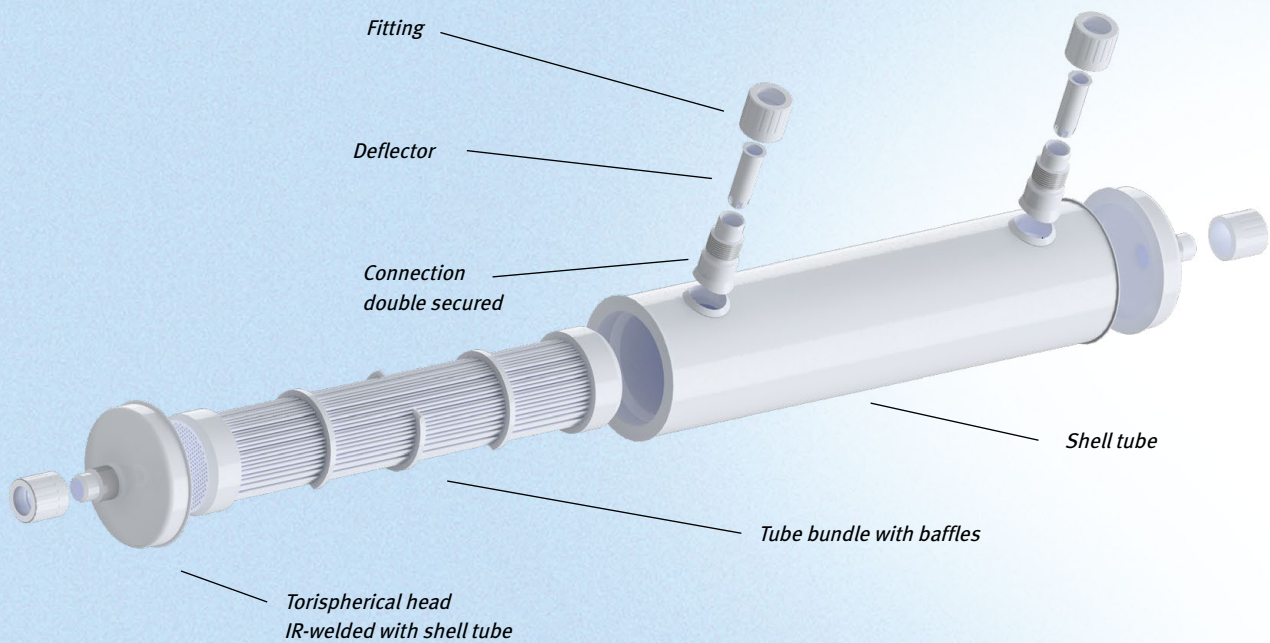


Please see our appendix for further technical data of the heat exchangers with 0.3m² [3.2ft²] and 0.8m² [8.6ft²] heat exchange area.

Dimensions in mm [Inch]



Design



Benefits & Features

- Universal chemical resistance
- Higher corrosion resistant than most metals
- Precise temperature control in demanding environments
- Suitable for high purity applications (e.g. medical, laboratory, analytics)
- Easy-to-Assemble design
- Long lifetime. More durable than heat exchangers made of glass
- Designed according technical guidelines of ASME
- Perfect fit for minimum space requirements
- In stock for immediate delivery

Technical Sales/Production Heat exchanger

ElringKlinger Kunststofftechnik GmbH | Mönchengladbach plant | Hocksteiner Weg 40 | D-41189 Mönchengladbach
Phone +49 2166 9590-0 | Fax +49 2166 9590-55 | sales.ekt@elringklinger.com | www.elringklinger-kunststoff.de

Headquarters and other plants of ElringKlinger Kunststofftechnik GmbH

ElringKlinger Kunststofftechnik GmbH | Etzelstraße 10 | D-74321 Bietigheim-Bissingen
Phone +49 7142 583-0 | Fax +49 7142 583-200 | sales.ekt@elringklinger.com | www.elringklinger-kunststoff.de

Heidenheim plant | Badenbergsstraße 15 | D-89520 Heidenheim
Phone +49 7321 9641-0 | Fax +49 7321 9641-24 | sales.ekt@elringklinger.com | www.elringklinger-kunststoff.de

ElringKlinger Engineered Plastics (Qingdao) Co., Ltd. | No.101, Building A2, Yuntai Shan Road 1000, International Innovation Park, Sino German Ecopark, Huangdao District | 266500, Qingdao, P.R. China | Phone: +86 0532 5558 2832
info.ektc@elringklinger.com | www.elringklinger-engineered-plastics.com

ElringKlinger Engineered Plastics North America, Inc. | 4971 Golden Parkway | Buford, GA 30518 USA
Phone +1 678 730 8190 | Fax +1 770 932 2385 | info.ektu@elringklinger.com | www.elringklinger-ep.com



DQS certified according to ISO/TS 16949(Reg. no. 002504 TS2/003)|DIN EN ISO 14001(Reg. no. 002504 UM)



DNV-GL certified according to GMP for Equipment with Food Contact Surfaces(Reg.-Nr. 201043-2016-FSMS-ITA-DNV)



DQS MED certified according to DIN EN ISO 13485:2012

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