

Fluid Handling Technology: Hoses for the chemical Industry



With APSOf fluid® - Fluid Handling Technology Angst+Pfister offers a market-oriented range of hoses and hose lines for almost all kinds of applications within the chemical industry. Angst+Pfister is your professional engineering partner for the transportation of solid, fluid or gaseous media.

The market requirements concerning the integration of fittings have become more and more challenging. Angst+Pfister complies with the recommendations and guidelines of the liability insurance association (Berufsgenossenschaft T 002).

Hose lines for the chemical industry

Hose lines for the transportation of chemical substances are subject to special requirements as for example the electrical conductivity. The norm DIN EN 12115:2011 for chemical hoses essentially distinguishes between the following classifications: class M, M/T, Ω, Ω/T. The professional assembly and testing of the hose lines are accomplished in our own production sites in Embrach, Switzerland.

The comprehensive range of Angst+Pfister services comprises a large variety of elastomer hoses - as well in combination with plastic liners. The complete product portfolio of our core brands APSOf fluid® CHEMOLIT and APSOf fluid® VAPOTHERM is available in stock.

Special features

- For operating temperatures from -40 to +210 °C
- Partly with FDA compliance, EC 1935/2004, (EU) Nr. 10/2011, USP Class VI
- Available for Ex Zones (ATEX)

Your benefit












- Professional on-site consultancy
- Own production site for professional fittings installation and labeling
- Process reliability

Fittings

For all hoses Angst+Pfister offers the needed fittings. The product portfolio comprises of lever arm couplings (KAMLOK®, AUTOLOK™), jaw clamping fittings, flanged fittings, Tri-Clamp and RACOSTEAM® steam hose fittings. Single components are available on short call in APSOparts®, the Online Shop of Angst+Pfister under apsoparts.com.

Contact

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| Hose type | Description | Inner-Ø mm | Operating pressure bar | Vacuum resistance | Operating temperature °C | Inner material layer | Class | Compliance |
|---|---|---------------|------------------------------|----------------------|--------------------------------|--|-------|---|
| CHEMOLIT® ED chemical hose, without spiral |  Flexible pressure hose, specifically configured and designed to the needs of the chemical industry | 19 to 100 | 16 | | -35 to +95 | EPDM, black | Ohm/T | EN 12115:2011, TRbF 131/2 |
| CHEMOLIT® ESD chemical hose, with spiral |  Flexible suction and pressure hose, specifically configured and designed to the needs of the chemical industry | 19 to 100 | 16 | • | -35 to +95 | EPDM, black | Ohm/T | EN 12115:2011, TRbF 131/2 |
| CHEMOLIT® U chemical hose, with spiral |  Universal hose, resistant to most industrial acids, alkalis and solvents, black liner | 19 to 100 | 16 | • | -35 to +95 | UHMW-PE, black | Ohm/T | EN 12115:2011, TRbF 131/2, FDA, BfR Kl. III EC 1935/2004, EU 10/2011 |
| POLYPAL® PLUS universal chemical hose, with spiral |  Multi purpose chemical hose, resistant to almost all chemicals | 13 to 100 | 16 | | -35 to +100 | UPE-PE, black | Ohm/T | EN 12115:2011, TrbF 131/2 |
| CHEMOLIT® UT chemical hose, with spiral |  For pharmaceutical products, cosmetics and food, white liner | 19 to 100 | 16 | • | -35 to +90 | UHMW-PE, light - transparent | Ohm | EN 12115:2011, TRbF 131/2, FDA, BfR Kl. III, EC 1935/2004, EU 10/2011 |
| POLYPAL® CLEAN universal chemical hose, with spiral |  Branded hose for pharmaceutical products and cosmetics; suitable for most of the industrial acids, alkalis and solvents | 13 to 100 | 16 | | -35 to +100 (+130) | UPE-PE white, seamless, incl. OHM conductive spiral | Ohm/T | EN 12115:2011, FDA and USP Class VI, EC 1935/2004, 2002/72 |
| CHEMOLIT® PTFE chemical hose, with spiral |  Top hose, universally resistant to all chemicals | 13 to 75 | 16 | • | -40 to +150 | PTFE, black, smooth, homogenous, seamless | Ohm/T | EN 12115:2011, TRbF 131/2, FDA, USP Cl. VI, EC 1935/2004, EU 10/2011 |
| ELAFON® PTFE universal hose, with spiral |  Branded hose, universally resistant to all chemicals | 19 to 100 | 16 | • | -30 to +150 | PTFE, black, smooth, homogenous, seamless | Ohm/T | EN 12115:2011 FDA, USP Cl. VI |
| ELAFON® FEP PLUS universal hose, with spiral |  Allrounder, universally resistant to all chemicals | 13 to 100 | 16 | • | -30 to +100 (+130) | FEP, transparent, smooth, seamless | Ohm | EN 12115:2011, FDA, USP Cl. VI |
| VAPOTHERM® 160 steam hose, without spiral |  Highest quality for the DIN EN ISO 6134 - 1A transporting saturated steam | 13 to 25 | 6 | | -40 to +120 (+164) | EPDM, black, smooth, non-porous | Ohm | EN ISO 6134, Type 1, Class A |
| VAPOTHERM® 210 steam hose, without spiral |  Highest quality for the DIN EN ISO 6134 - 2A transporting superheated steam | 10 to 50 | 18 | | -40 to +100 (+210) | EPDM, black, smooth, non-porous | Ohm | EN ISO 6134, Type 2, Class A |



APSOparts®

the Online Shop of Angst + Pfister
www.apsoparts.com

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