

Fluid Handling Technology: Hydraulic Hoses



Hose lines, fittings and couplings are essential components of the entire hydraulic system. Besides standardized hose types Angst + Pfister especially offers compact hoses with exceptional performance values for modern high-performance-hydraulic-applications.

The range of hoses is supplemented by a very broad and deep range of hose fittings. A modular system offers the suitable joint for every hose type. Furthermore, cutting ring fittings as well as quick acting couplings are part of the product portfolio.

Hydraulic hose lines

Our experts define the hose lines tailor-made for the needs of the customer in close collaboration with the designers. The HYDROFLEX® and FLEXITREL® hoses are assembled as ready-to-install hoses in our own production site, bundled and if desired put together as complete kits.

Pipe fittings and couplings

For several years Angst + Pfister has been offering a broad and deep range of VOSS-cutting ring fittings ex stock. The whole product program is protected by a high quality corrosion resistant zinc-nickel-coating as standard. Pipe fittings are also available in stainless steel on request.

Quick acting couplings

A wide range of drip-free, flat sealing quick acting couplings and single DIN norm couplings are available ex stock.

Features

- Hydraulic hoses DIN EN 853/854/856/857
- Compact hoses with exceptional performance values (outperform DIN EN)
- VOSS-DIN 2353 cutting ring fittings

Benefits

- Professional expert on-site consultancy
- Highest resistance against corrosion of cutting ring fittings in the salt spray test
- Specialists in our own hose mounting

Fittings












For all hoses Angst + Pfister offers the suitable hose and swage fittings. Quick acting couplings and pipe fittings are as well available on short call in APSOparts®, the Online Shop of Angst + Pfister under apsoparts.com.



EN 853/854/856/857
2353

Contact

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Hose type		Description	Inner-Ø	DN	Operating pressure bar	Operating temperature °C	Inner material layer	Norm
HYDROFLEX® Typ PM 20 (2TE) High pressure hose		Fluid mineral oil- and glycol-based media, mineral and vegetable lubricants, compressed air max. +70°C, cooling water, engine lubricating oils, HD-oils, diesel fuels, etc.	3/16" to 1 1/4"	5 to 31	40 - 80	-40 to +100 (briefly up to 120)	Synthetic rubber, resistant against hydraulic fluids	DIN EN 854, DIN 20021
HYDROFLEX® Typ PM 30 (3TE) High pressure hose		Fluid mineral oil- and glycol-based media, mineral and vegetable lubricants, compressed air max. +70°C, cooling water, engine lubricating oils, HD-oils, diesel fuels, etc.	1/4" - 2"	6 - 51	33 - 145	-40 to +100 (briefly up to 120)	Synthetic rubber, resistant against hydraulic fluids	DIN EN 854, DIN 20021
HYDROFLEX® Typ 1SN-K High pressure hose		Fluid mineral oil- and glycol-based media, mineral and vegetable lubricants, cooling water, engine lubricating oils, HD-oils, diesel fuels, etc. Compressed air and water up to max. +70°C	1/4" - 1 1/4"	6 - 31	100 - 290	-40 to +100 (briefly up to 120)	Synthetic rubber, resistant against hydraulic fluids	DIN EN 857
HYDROFLEX® Typ 1SN High pressure hose		Fluid mineral oil- and glycol-based media, mineral and vegetable lubricants, compressed air max. +70°C, cooling water, engine lubricating oils, HD-oils, diesel fuels, etc.	1 1/4" - 2"	31 - 51	40 - 88	-40 to +100 (briefly up to 120)	Synthetic rubber, resistant against hydraulic fluids	DIN EN 853, DIN 20021, SAE100R1AT
HYDROFLEX® Typ 2SN-K Compact High pressure hose		Fluid mineral oil- and glycol-based media, mineral and vegetable lubricants, compressed air max. +70°C, cooling water, engine lubricating oils, HD-oils, diesel fuels, etc.	1/4" - 1"	6 - 25	175 - 450	-40 to +100 (briefly up to 120)	Synthetic rubber, resistant against hydraulic fluids	DIN EN 857
HYDROFLEX® Typ 2SN High pressure hose		Fluid mineral oil- and glycol-based media, mineral and vegetable lubricants, compressed air max. +70°C, cooling water, engine lubricating oils, HD-oils, diesel fuels, etc.	1 1/4" - 2"	31 - 51	80 - 125	-40 to +100 (briefly up to 120)	Synthetic rubber, resistant against hydraulic fluids	DIN EN 853, DIN 20021, SAE100R2AT
HYDROFLEX® Typ 4SP Maximum pressure hose		Fluid mineral oil- and glycol-based media, mineral and vegetable lubricants, compressed air max. +70°C	3/8" - 2"	10 - 51	165 - 445	-40 to +100 (briefly up to 120)	Synthetic rubber, resistant against hydraulic fluids	DIN EN 856, DIN 20021
HYDROFLEX® Typ 4SH Maximum pressure hose		Fluid mineral oil- and glycol-based media, mineral and vegetable lubricants, compressed air max. +70°C, cooling water	3/4" - 2"	19 - 51	250 - 420	-40 to +100 (briefly up to 120)	Synthetic rubber, resistant against hydraulic fluids	DIN EN 856, DIN 20021
FLEXITREL® Typ PR 1 High pressure hose		Hydraulic phosphate ester-, mineral oil- and glycol-based fluids, lubricants, water, paints, diverse solvents, fuels, carbon dioxide, compressed air, nitrogen, natural gas etc.	3/16" - 3/8"	5 - 10	225 - 360	-40 to +100	TPE-E (HYTREL®)	DIN EN 853 1ST/1SN, EN857 1SC, SAE100R1
LEXITREL® Typ PR 2 High pressure hose		Hydraulic phosphate ester-, mineral oil- and glycol-based fluids, lubricants, water, paints, diverse solvents, fuels, carbon dioxide, compressed air, nitrogen, natural gas etc.	1/4" - 1"	6 - 25	165 - 400	-40 to +100	TPE-E (HYTREL®)	SAE100R2
FLEXITREL® Typ PR7N High pressure hose		For flame resistant phosphate ester-, mineral oil- and glycol-based fluids, coolants, water, paints, diverse solvents, fuels, carbon dioxide, compressed air, nitrogen, etc.	3/16" - 1/2"	5 - 12	138 - 206	-40 to +100	TPE-E (HYTREL®)	SAE100R7, EN855-R7, ISO3949-R7

