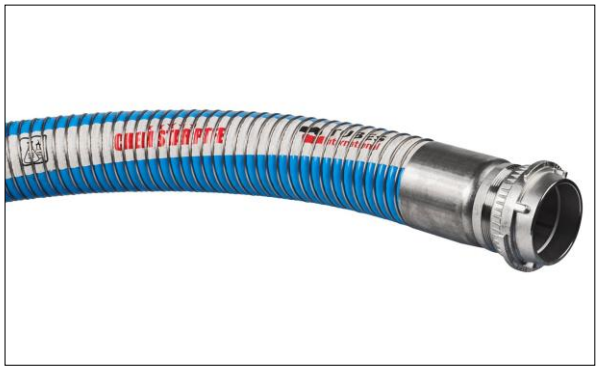
Composite hoses - chemical



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CHEMSTAR PTFE

Hose for very aggressive chemical substances

Inner layer: ECTFE (first film layer)
polypropylene (second film layer)
Reinforcement: inner / outer spiral,
polyethylene (fabric layers)
Cover: abrasion and weather
resistant polyester
Working temp.: from -30°C up to +80°C
from -40°C up to +100°C (HD version)

Suction and delivery hose intended for the transfer, unloading and loading of very aggressive chemical substances for which the corrosion resistance of polypropylene is insufficient. Inner layer of ECTFE (fluoropolymer with high chemical resistance). Safety factor 4:1 (HD - Heavy version Duty - 5:1).
On special order the hose is available in other versions:

- with an external black antistatic ATEX coating (compliant with Directive 94/9/EC),
- with polyurethane-coated fabric offering high abrasion resistance,
- with an internal spiral of PVDF-coated stainless steel and an inner layer of a special film with excellent properties surpassing standard PTFE versions (working temperature: from -40°C up to +125°C).

Application: Stransfer systems, filling and emptying units (UNO), unloading and loading of road and rail tankers, permanent equipment of road tankers, industrial installations. HD version - port transfer systems (ship-to-shore and ship-to-ship).
Standards: Meets the requirements of EN 13765:2018 (type 2, type 3).
Assembly: Supplied as ready-made lines with ends.
Available versions: SG, SS - differing in the material of the inner and outer spiral.

Chemical resistance check: ECTFE chemical resistance table and spiral material (preliminary selection), confirmation of resistance and conditions of use by Tubes International.

index (versions - inner / outer spiral)		diameter inner. [mm]	pressure working [bar]	vacuum [bar]	bending radius [mm]	weight [kg/m]	max. length [m]
SG – AISI 316 stainless steel / galvanised steel	SS – AISI 316 stainless steel / AISI 316 stainless steel						
STANDARD DUTY (SD)							
SO-CHEMSTAR-PTFE-SG-038	SO-CHEMSTAR-PTFE-SS-038	38	14	0,7	100	1,04	40
SO-CHEMSTAR-PTFE-SG-050	SO-CHEMSTAR-PTFE-SS-050	50	14	0,7	150	1,56	40
SO-CHEMSTAR-PTFE-SG-065	SO-CHEMSTAR-PTFE-SS-065	65	14	0,7	200	1,87	40
SO-CHEMSTAR-PTFE-SG-075	SO-CHEMSTAR-PTFE-SS-075	75	14	0,7	250	2,23	40
SO-CHEMSTAR-PTFE-SG-100	SO-CHEMSTAR-PTFE-SS-100	100	14	0,7	300	3,62	40
HEAVY DUTY (HD)							
SO-CHEMSTAR-PTFE-SGHD-025	SO-CHEMSTAR-PTFE-SSHD-025	25	16	0,9	100	0,77	40
SO-CHEMSTAR-PTFE-SGHD-038	SO-CHEMSTAR-PTFE-SSHD-038	38	16	0,9	140	1,33	40
SO-CHEMSTAR-PTFE-SGHD-050	SO-CHEMSTAR-PTFE-SSHD-050	50	16	0,9	180	2,04	40
SO-CHEMSTAR-PTFE-SGHD-065	SO-CHEMSTAR-PTFE-SSHD-065	65	16	0,9	220	2,75	40
SO-CHEMSTAR-PTFE-SGHD-075	SO-CHEMSTAR-PTFE-SSHD-075	75	16	0,9	280	3,15	40
SO-CHEMSTAR-PTFE-SGHD-100	SO-CHEMSTAR-PTFE-SSHD-100	100	16	0,9	400	4,74	40
SO-CHEMSTAR-PTFE-SGHD-150	SO-CHEMSTAR-PTFE-SSHD-150	150	16	0,9	550	10,50	40
SO-CHEMSTAR-PTFE-SGHD-200	SO-CHEMSTAR-PTFE-SSHD-200	200	16	0,9	800	12,85	40
*	*	250	16	0,9	1000	20,96	25

* - on special order





CHEMSTAR PTFE SS DN75 hose fitted at both ends with AISI 316 stainless steel ends with BSP 3” male thread. Ends crimped with AISI 304 stainless steel ferrules. Ends fitted with TW (tankwagen) couplings type MK 3” and VK 3” in AISI 316 stainless steel.