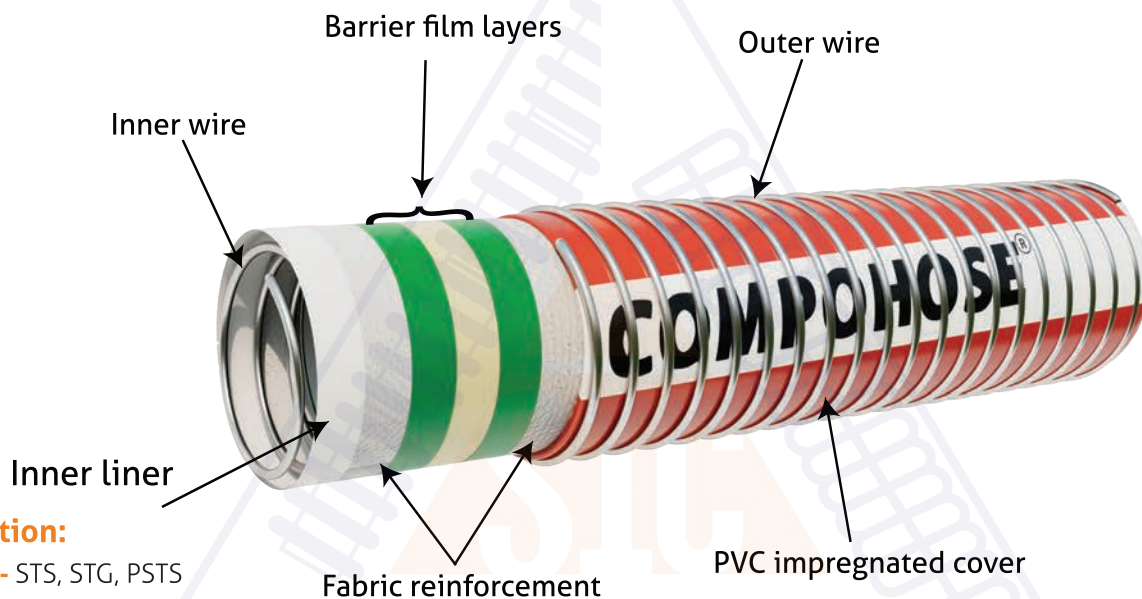


Multichem PTFE : Standard Duty

Multichem PTFE composite hoses are specialized flexible hoses that have been engineered for handling of highly aggressive chemicals like phosphoric acid, nitric acid, sulphuric acid and solvents including chlorides and fluorides. These hoses are designed to provide excellent resistance to the corrosive and reactive nature of such chemicals while maintaining flexibility and durability. The core of the hose is made of PTFE (Polytetrafluoroethylene), which is a synthetic fluoropolymer known for its exceptional chemical resistance and non-stick properties. PTFE is well-suited for handling aggressive chemicals and can withstand a wide range of corrosive substances.

Compliance: Multichem PTFE hoses are manufactured in accordance to EN 13765 / 2018 Type 2



Construction:

Hose Type - STS, STG, PSTS

Inner wire - Stainless Steel 316/ Polypropylene Coated Stainless Steel 316/ PVDF Coated Stainless Steel 316

Inner Lining - PTFE liner with polypropylene fabric, film and polyester barrier layers

Outer wire - Galvanised Steel/Stainless Steel 304 or 316

Cover - Abrasion-resistant PVC impregnated fabric

End fitting - As per client requirements, externally crimped and swaged

Features:

1. Tough PVC outer cover resists dragging, wearing, abrasion, UV and ozone resistance ensures maximum durability and safety
2. PTFE Liner with polypropylene and polyester barrier layers for maximum resistance to aggressive chemicals.
3. Light Weight & Highly Flexible
4. Superior Electrical Continuity prevents static electricity build up and internal arcing.
5. Suitable for 0.9 Bar Vacuum rating.
6. Working Pressure: 10 Bar (150 PSI) (Standard Duty)
7. Safety factor 4:1 as per EN 13765 / 2018 (can be achieved higher if required)
8. Temperature Range for this hose is -30° C to +100° C (-22° F to +212° F)



Applications:

Chemical Processes: Compohose is ideal for use in chemical manufacturing and processing plants. Its resistance to a wide range of aggressive chemicals, solvents, and acids makes it suitable for transferring raw materials, intermediates, and finished products within the chemical industry.

In-Plant Transfers: Compohose can be employed for transferring chemicals and fluids within the confines of a manufacturing facility. It can handle corrosive substances safely, ensuring the integrity of the hoses and preventing leaks or contamination during in-plant transfers.

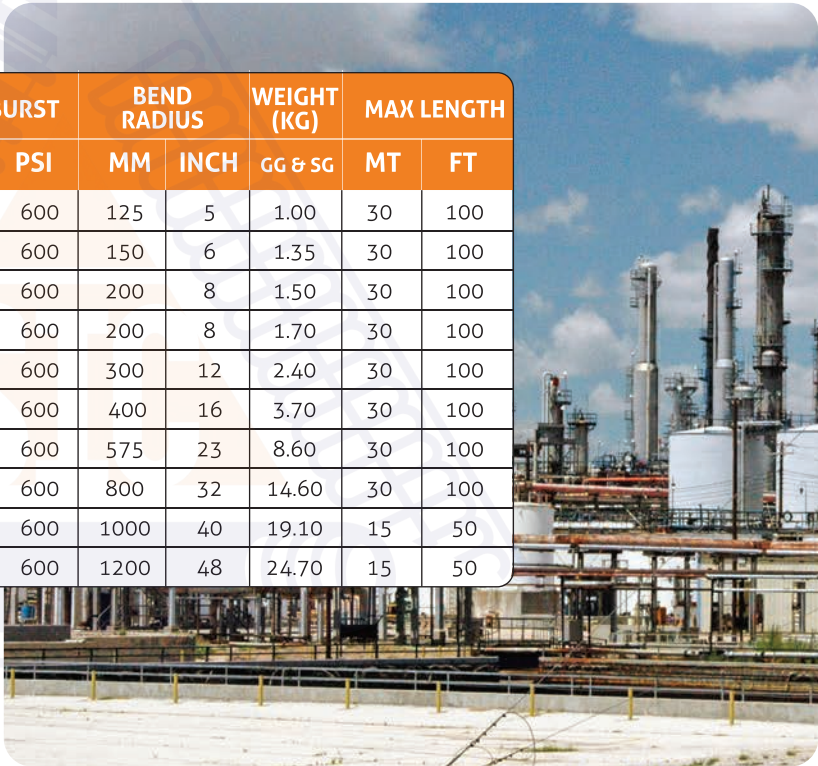
Storage Tank Transfer: When loading or unloading chemicals to and from storage tanks, Compohose can be relied upon. Its compatibility with aggressive chemicals ensures safe and efficient transfer operations, reducing the risk of leaks and spillage

Aggressive Chemical Transfers: Compohose is designed to handle a wide range of aggressive chemicals, including chloride and fluoride compounds. This makes it suitable for transferring chemicals that might otherwise corrode or degrade traditional hose materials.

Specification Table:

CODE	SIZE		MEAN OD	MAX W.P		MIN BURST		BEND RADIUS		WEIGHT (KG)	MAX LENGTH	
NAME	MM	INCH	MM	BAR	PSI	BAR	PSI	MM	INCH	GG & SG	MT	FT
04SS25	25	1"	37	10	150	40	600	125	5	1.00	30	100
04SS38	38	1.5"	50	10	150	40	600	150	6	1.35	30	100
04SS50	50	2"	65	10	150	40	600	200	8	1.50	30	100
04SS65	65	2.5"	76	10	150	40	600	200	8	1.70	30	100
04SS75	75	3"	89	10	150	40	600	300	12	2.40	30	100
04SS100	100	4"	119	10	150	40	600	400	16	3.70	30	100
04SS150	150	6"	178	10	150	40	600	575	23	8.60	30	100
04SS200	200	8"	231	10	150	40	600	800	32	14.60	30	100
04SS250	250	10"	282	10	150	40	600	1000	40	19.10	15	50
04SS300	300	12"	331	10	150	40	600	1200	48	24.70	15	50

*Higher burst pressure can be achieved on special request



Safety Standards:

Rigorous Safety Testing: **COMPOHOSE®** assemblies undergo comprehensive testing, conducted at 1.5 times the rated Working Pressure (W.P). This stringent testing adheres to the EN 13765 standard, ensuring a paramount level of safety and reliability.

Provision of Manufacturer's Test Certificate: With each supply of **COMPOHOSE®** composite hose assemblies, a Manufacturer's Test Certificate is included. This certificate serves as a confirmation of the product's quality and compliance with safety standards, providing added assurance to users.

Clear Burst Pressure Specification: The burst pressure of the composite hose is explicitly indicated for ambient temperature conditions. This vital information enhances safety awareness and empowers users to operate within secure pressure limits.

Effective Electrical Continuity: The composite hose's electrical continuity is assured through the integration of two bonded wires connected to the end fitting. This innovative design promotes the dissipation of accumulated electrical charges, mitigating the risk of static flashes and associated hazards.