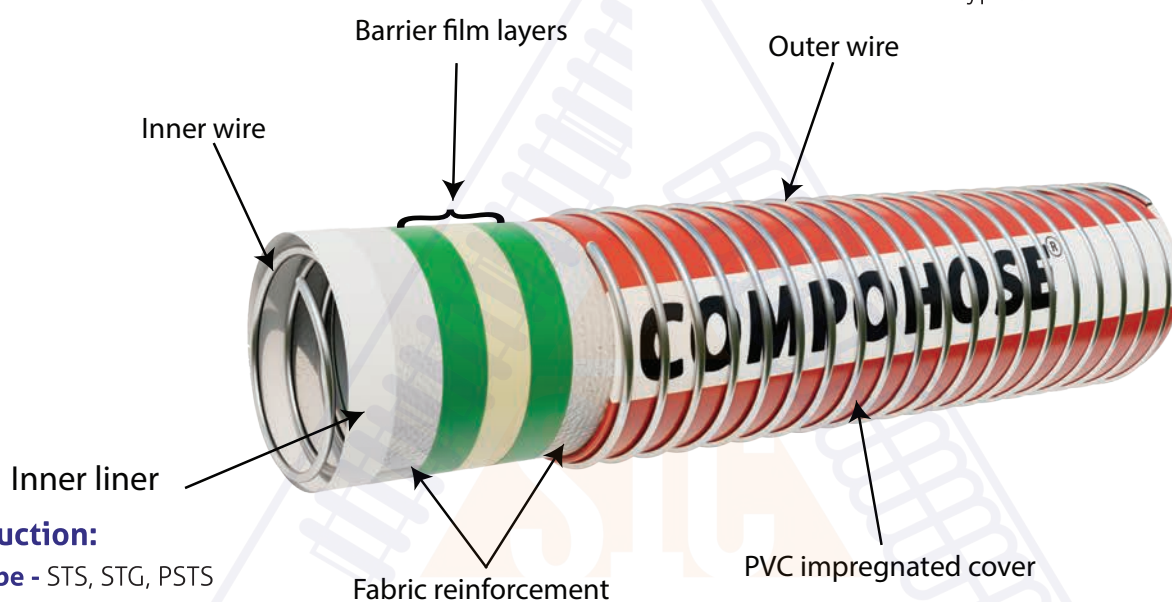


Multichem PTFE : Heavy Duty

Multichem PTFE composite hoses are specialized flexible hoses that have been engineered for handling of highly aggressive chemicals, solvents, and acids, including compounds like 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 3



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, 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: 14 Bar (200 PSI) (Heavy 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.

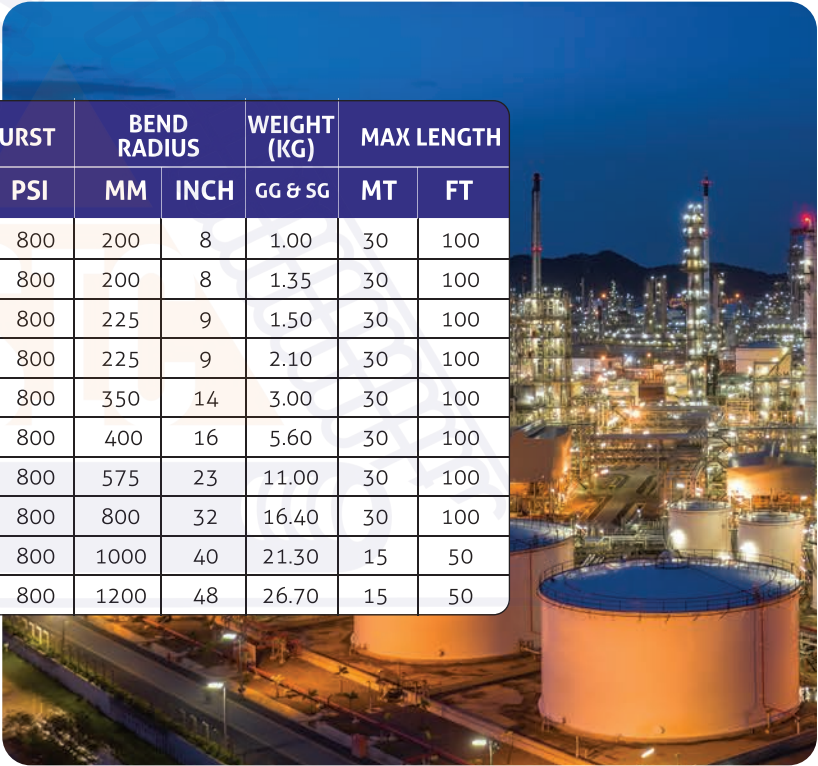
Aggressive Chemical Transfers: Compohose is designed to handle a wide range of aggressive chemicals, including chloride and fluoride compounds. This makes it suitable for transferring chemicals that might otherwise corrode or degrade traditional hose materials.

Ship to Ship and Ship to Shore Chemical Transfer: Compohose is designed to handle a wide range of aggressive chemicals, acids, and solvents. In such operations, these hoses can be used for transferring various chemicals between ships or from a ship to the shore.

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
HD04SS25	25	1"	37	14	200	56	800	200	8	1.00	30	100
HD04SS38	38	1.5"	51	14	200	56	800	200	8	1.35	30	100
HD04SS50	50	2"	65	14	200	56	800	225	9	1.50	30	100
HD04SS65	65	2.5"	77	14	200	56	800	225	9	2.10	30	100
HD04SS75	75	3"	90	14	200	56	800	350	14	3.00	30	100
HD04SS100	100	4"	121	14	200	56	800	400	16	5.60	30	100
HD04SS150	150	6"	179	14	200	56	800	575	23	11.00	30	100
HD04SS200	200	8"	233	14	200	56	800	800	32	16.40	30	100
HD04SS250	250	10"	284	14	200	56	800	1000	40	21.30	15	50
HD04SS300	300	12"	333	14	200	56	800	1200	48	26.70	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.