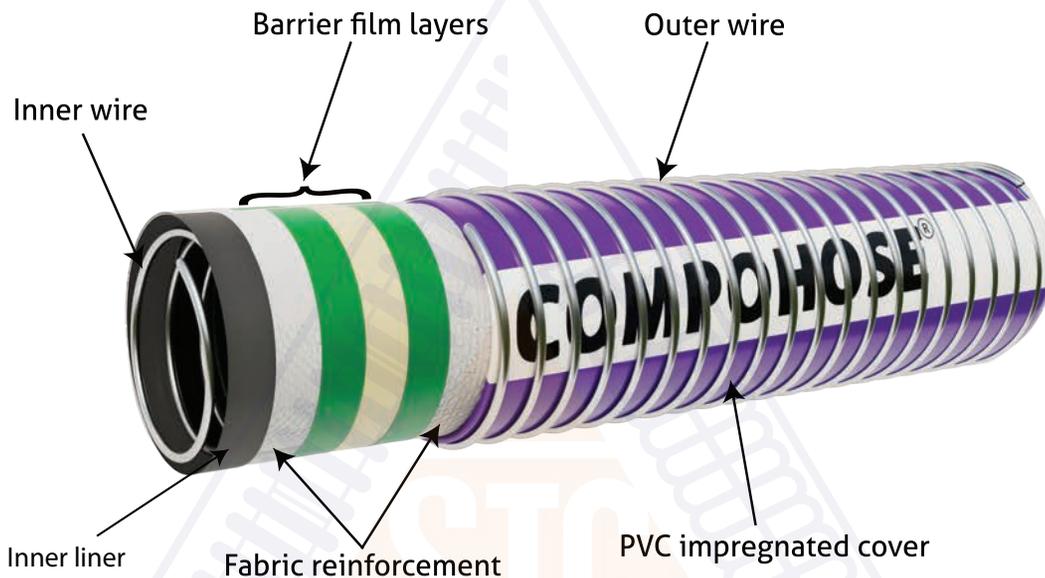


Ethanol Composite Nitrile Hose

Ethanol Composite Nitrile Hoses are advanced industrial hoses specifically engineered to excel in the demanding conditions of handling ethanol, biofuels, and lubricants. These hoses are designed to provide exceptional performance, combining the benefits of composite materials and nitrile rubber to meet the unique requirements of industries.

Compliance: Ethanol Composite Nitrile hoses are manufactured in accordance to EN 13765 / 2018 Type 2



Construction:

Hose Type – GRG, SRG, SRS

Inner Wire - High Tensile Galvanised Steel / Stainless Steel 304, 316

Inner Lining – Nitrile Rubber with Multiple layers of polypropylene fabric, film and polyester barrier layers

Outer Wire – High Tensile Galvanised Steel / Stainless Steel 304, 316

Cover - Abrasion-resistant PVC impregnated fabric - "Violet" with Ethanol Marking

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

Features:

1. Nitrile Rubber layer provides extra resistance to Ethanol
2. Tough PVC outer cover resists dragging, wearing, abrasion, UV and ozone resistance ensures maximum durability and safety.
3. Light Weight & Highly Flexible
4. Superior Electrical Continuity
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:

The CompoHose assemblies are ideal for various applications such as loading and unloading Rail Tank Wagons (BTPN), Tank Trucks, Storage tank transfers, and other standard uses. Specifically designed with a Nitrile rubber contact layer, this hose is recommended for Ethanol services where polypropylene is not suitable. The hose features a spiral-wound high-tensile galvanized iron inner and outer wire, providing strength and flexibility to ensure hose integrity under stress and strain.

CODE	SIZE		MEAN OD	MAX W.P		MIN BURST		BEND RADIUS		WEIGHT (KG)	MAX LENGTH	
	MM	INCH		BAR	PSI	BAR	PSI	MM	INCH		MT	FT
R01GG50	50	2"	65	10	150	40	600	200	8	1.80	30	100
R01GG65	65	2.5"	76	10	150	40	600	200	8	2.00	30	100
R01GG75	75	3"	89	10	150	40	600	300	12	2.70	30	100
R01GG100	100	4"	119	10	150	40	600	400	16	4.00	30	100

*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.

