



QUALITY FLEX®
BUNKERING DIVISION
COMPOSITE HOSES

QUALITY FLEX®

Composite Hose

**Flexible, easy to operate, light,
safe and durable.**

**Certificates, Qualifications and Patents tested to meet
European and International Standards:**

Certificates :EN 13765

BS 3492

BS 5842

GB/T 19001 / ISO 9001

By third-party organizations: SGS

China Classification Society (CCS)

Quality Supervision and Inspection Center of Rubber Hose and
Fabric Products

Xiamen Products Quality Supervision & Inspection Institute.

*****We have applied for and obtained thirty national patents.***

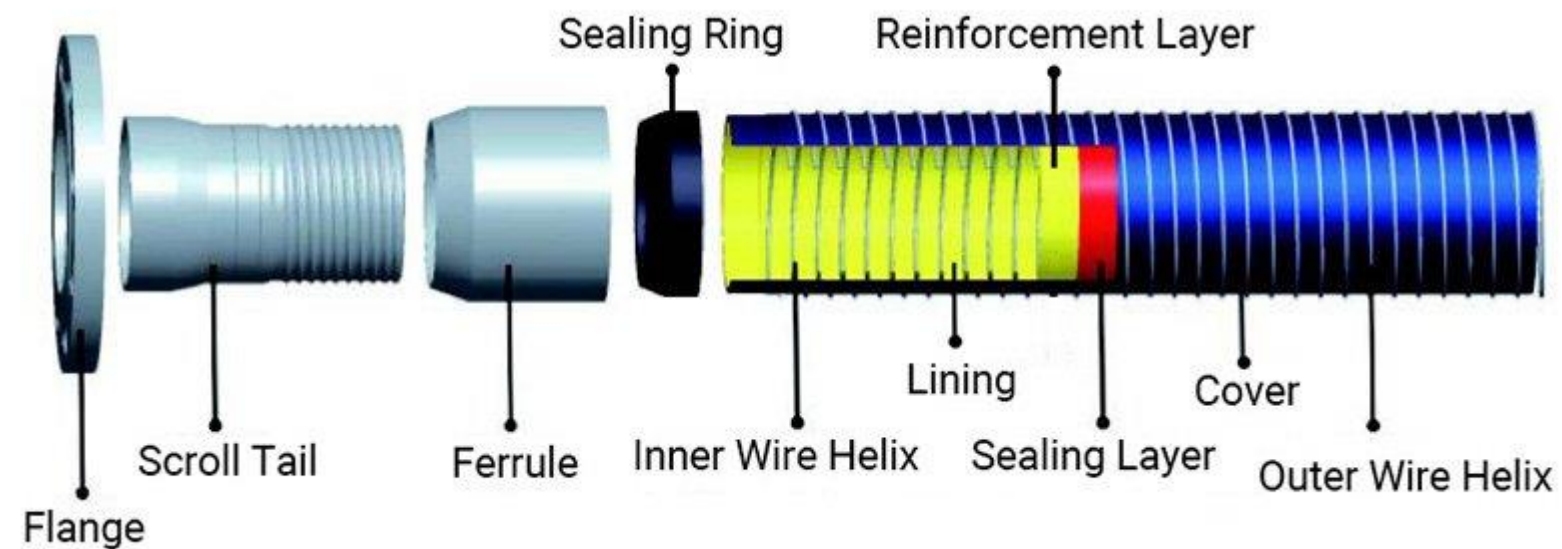
***Our products have been exported to over 30 countries around
the world.***



QUALITY FLEX®

Products

The composite hose is composed of a variety of polymer material reinforcement layers, a sealing layer and an external anti-wear and anti-aging layer, fastened steel wire support. It is designed, manufactured and tested in strict accordance with EN 13765, BS 3492, BS 5842 and ISO 9001 standards.



QUALITY FLEX® COMPOSITE HOSES



CRYOGENIC



**HIGH TEMPERATURE
CHEMICAL & OIL**



FLOATING



**CHEMICAL COMPOUNDS
STANDAR SERVICES**



AGRESSIVE CHEMICAL



STD DUTY OIL



DUTY OIL



AVIATION FUEL



LIGHT DUTY OIL



TANK TRUCK

FITTING & ACCESORIES



- ✓ Flange and blind plate.
- ✓ Cam lock.
- ✓ Union coupling.
- ✓ Reducing coupling.
- ✓ Guillemin coupling.
- ✓ Vapor recovery coupling.



- ✓ Insulation short connection.
- ✓ Insulating flange.
- ✓ New type of insulating flange.
- ✓ Butterfly valve.
- ✓ Ball valve.
- ✓ Emergency release couplings.

QUALITY FLEX® COMPOSITE HOSES

Product Specs Preview

Type	Max Working Pressure	Diameters	Operating Temperature
Heavy Duty Composite Hose	2.5 MPa	1 Inch to 8 Inch	-30 °C to +80 °C
Standard Duty Composite Hose	1.6 MPa	1 Inch to 12 Inch	-30 °C to +80 °C
Light Duty Composite Hose	1.1 MPa	1 Inch to 12 Inch	-30 °C to +80 °C
High Temperature Composite Hose	1.6 MPa	1 Inch to 12 Inch	-30 °C to +170 °C
Cryogenic Composite Hose	1.6 MPa, 2.5 MPa	1 Inch to 12 Inch	-50 °C to +80 °C; -200 °C to +80 °C
for Food and Beverage, Edible Oil	1.6 MPa	1 Inch to 12 Inch	-30 °C to +150 °C
for Tank Truck	0.7 MPa	1 Inch to 4 Inch	-30 °C to +80 °C
for Aviation Fuel	1.6 MPa	1 Inch to 4 Inch	-50 °C to +80 °C
for Floating Transfer	1.6 MPa	6 Inch to 12 Inch	-30 °C to +80 °C

QUALITY FLEX® COMPOSITE HOSES

APPLICATIONS

Specially designed for applications in tank trucks, oil terminals, oil tankers, chemical, refinery fields and other places where hoses need to be installed, uninstalled and moved frequently.



The construction of composite hoses is depending on the medium and application, with different wire helix materials (galvanized carbon steel, stainless steel, aluminum), different types of films and fabrics (polypropylene, polyamide, ECTFE, polyester, fiberglass or aramid fiber).

Multi-purpose petroleum composite hoses: Used for transferring liquefied petroleum gas (LPG), gasoline, diesel, kerosene, crude oil and other hydrocarbon products.

Multi-purpose chemical hoses: Used for transferring common chemical liquids and natural gas products.

Tank truck hoses: Designed for all kinds of tank trucks in global standards, high flexibility, long service life.

Ship to shore hoses: Reinforced structure design, corrosion resistant.

Paint and solvent hoses: Excellent solvent resistance, abrasion resistance, oxidation resistance.

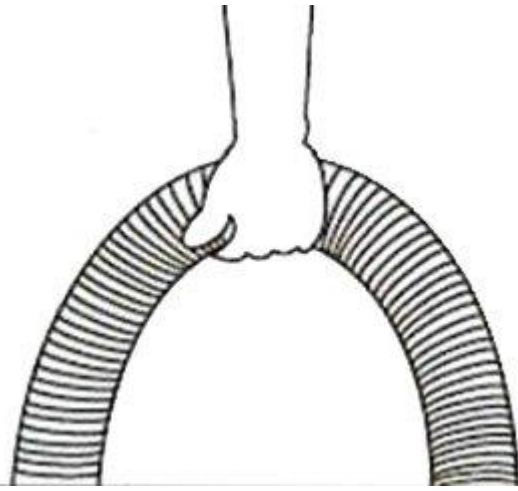
Cryogenic composite hose: Used in low-temperature environments or transferring low-temperature products, such as ethylene, LPG, liquefied natural gas (LNG), propane, dry ice.

High temperature composite hose: Used to transfer products in high temperature places, such as thermal oil.

Food composite hose: Used to transfer edible oil, beverages, medicine, edible alcohol, etc.

QUALITY FLEX® COMPOSITE HOSES

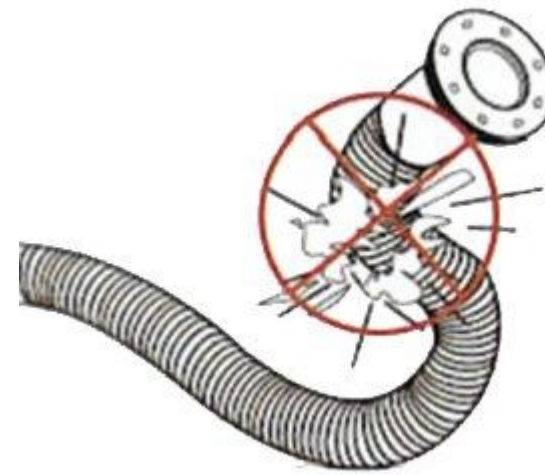
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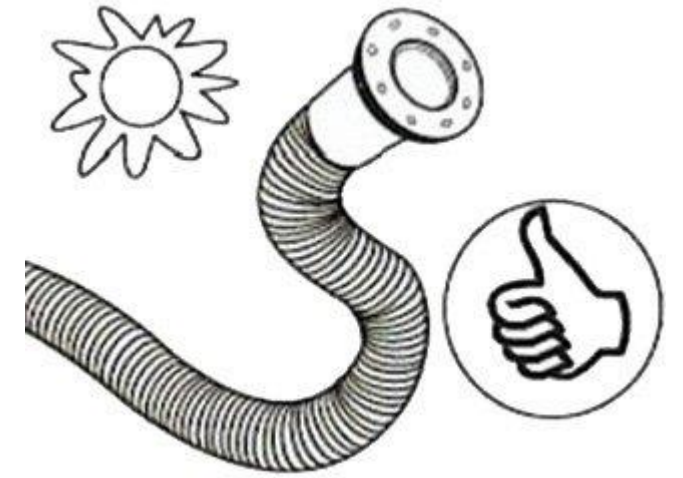
Light weight, small bending radius, easy to handle.



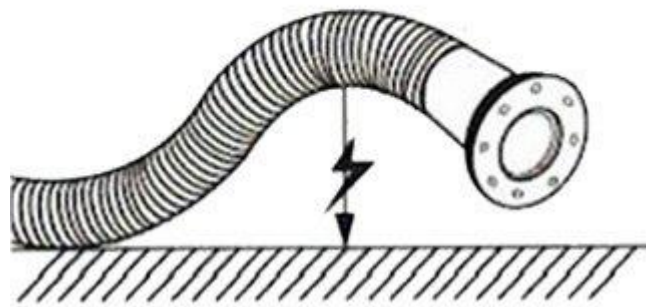
Good flexibility, can eliminate sudden pressure changes.



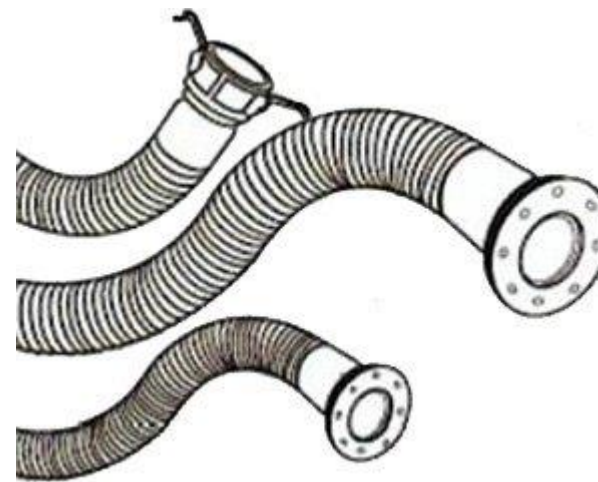
Multi-layer protection, prevent a sudden burst from happening, high safety.



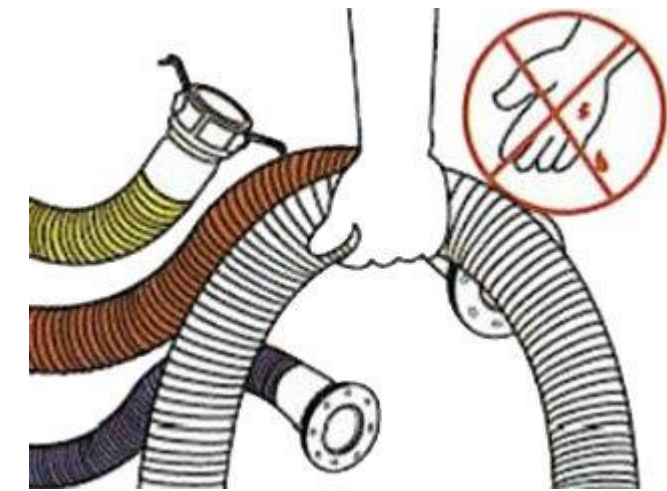
Anti-UV, anti-aging, good durability.



Good electrical conductivity, can eliminate static electricity on the hose wall in time.



Various types, can adapt to different working conditions.



Good hand feel, won't prick your hands, rich colors.

QUALITY FLEX® COMPOSITE HOSES

COMPARISON

Of composite hoses, rubber hoses, steel hoses

Before the emergence of composite hoses, traditional rubber hoses and stainless steel hoses were commonly used in transferring liquid petrochemical products. In cases where hoses are often disassembled and move, there are some obvious shortcomings of rubber hoses and stainless steel hoses. Composite hoses are a new generation of safety hose that has better overall performance and reduces cost, it is specifically designed for the replacement of rubber hoses and stainless steel hoses.

Type	Weight	Bend Radius	Conductivity	Corrosion Resistance	Safety	Hand Feel
Composite Hose	Light	The smallest, good flexibility	Excellent	Excellent, suitable for different kinds of chemical materials	Excellent	Good
Steel Hose	Light	Twice as big as that of composite hose	Excellent	Good	Ordinary, outer net sleeve easy to be broken	Poor
Rubber Hose	Heavy	3 times as big as that of composite hose	Poor	Poor	Good	Good

QUALITY FLEX® COMPOSITE HOSES

Main Advantages

1. Lightweight and high flexibility, good pressure resistance Compared with the rubber hose of the same specification, under the same conditions of use, the composite hose is 40% lighter than the rubber hose, and the minimum bend radius is 1/3 of that of the rubber hose. It is light and flexible, and is suitable for places with greater mobility, such as oil tanker loading and unloading. A composite hose can be used flexibly in narrower workplaces, which is unmatched by other kinds of hoses. A composite hose has good resistance to positive and negative pressure. The working pressure of this hose can reach 1.0-4.0 MPa, and the negative pressure can reach 0.1 MPa. Under the same conditions, the pressure resistance of composite hose is also better than that of rubber hose of the same specification as rubber hoses cannot bear pressure with a large bend radius.

2. Good acid and alkali resistance Because composite hoses use synthetic resin as one of the main material, it has better resistance to various aromatic hydrocarbons and chemicals than rubber hoses and steel hoses. It is especially suitable for some acid and alkaline liquids which rubber hoses and steel hoses are not resistant. Composite hoses have good temperature resistance and can withstand temperature from -60°C to 220°C under normal use.

3. Good conductivity When the liquid flows in the hose, static electricity will be generated due to pressure, flow rate, friction with the hose wall, and other reasons, which may cause ignition. Composite hoses have good conductivity and is safe and reliable to use.

4. Advantages **QUALITY FLEX®** composite hoses are manufactured through professional manufacturing process technology to ensure consistent quality: uniformity of hose wall thickness, accuracy of diameter size.

- ✓ **The couplings** of composite hoses are of global standards, and interchangeable.
- ✓ **Low failure rate** - The connection of the couplings and hose is very tight. Couplings are crimped and sealed by oil resistant, acid and alkali resistant rubber seals. Threaded connection is used and additionally ferrules are used for reinforcement.
- ✓ **Good performance** - The inner and outer steel wire helix are tightly connected; good conductivity; lightweight; corrosion-resistant; good pressure resistance.
- ✓ **High production efficiency - Generally**, a single composite hose can be up to 30 meters long and only requires two people to operate. The efficiency of one composite hose production line is equivalent to four production lines with traditional technology.
- ✓ **Repairable - The couplings** can be changed. And the repaired hose has the same safety factor as a good hose, which greatly saves the cost for customers.

COMPOSITE FUELS HOSE

Applicable standards

EN13765 ISO27126

CCS Type Examination - Product Details

QUALITYFLEX® oil hoses with the highest quality, the constructions are designed for the whole range of mineral and fuels. Hoses are available from low pressure road tanker applications through to heavy duty ship to shore hoses. All hoses are suitable for suction and delivery. All oil hoses are manufactured from multiple layers of thermoplastic fabrics and films supported by inner and outer metallic wire.

It's a tough, high strength oil and petroleum transfer hose. Light duty is designed for applications such as rail car loading and unloading, road tanker bottom loading, lubricating oil plant hose exchanges. Standard duty and heavy duty are designed for ship to shore and on board marine transfer. Galvanised wires are high tensile steel with a heavy hot dip zinc coating to reduce corrosion. The hose is lined and reinforced with polypropylene fabrics and sealed with polypropylene films. The cover is a wear and weatherproof layer of PVC coated polyester.

Construction

Inner wire: galvanized steel /aluminium wire

Outer wire spiral: galvanized steel /stainless steel304 /stainless steel 316 Inner lining: polypropylene

Cover: PVC (pp on request)

Couplings/Fittings

Customized couplings or fittings are available on request.



Bore Diameter		Max.Working Pressure		Bend Radius	Weight	Max Length
INS	MM	BARS	PSI	MM	KGS/M	MT
1	25	14bar	200PSI	200	1.35	30
1.5	40	14bar	200PSI	200	1.80	25
2	50	14bar	200PSI	225	2.45	30
2.5	65	14bar	200PSI	225	3.20	25
3	80	14bar	200PSI	350	4.20	30
4	100	14bar	200PSI	400	4.90	30
6	150	14bar	200PSI	575	12.90	28
8	200	14bar	200PSI	800	20.10	28
10	250	14bar	200PSI	1000	26.50	16
12	300	14bar	200PSI	1200	31.80	16





Composite Hose

As a leading supplier of composite hoses, ACC focuses on fluid handling solutions, with a wealth of experience and strong technical support, specializes in providing you the right solution for any transfer operations of oil, chemical or other aggressive fluids. Through the introduction of European advanced technology and production equipment, we independently developed complete composite hose products including

- ✓ chemical composite hose,
- ✓ petroleum composite hose,
- ✓ high temperature composite hose,
- ✓ cryogenic composite hose,
- ✓ vapor recovery composite hose, etc.

Our composite hoses can be well used in various applications such as petroleum conveying, food industry, chemical industry, high temperature material handling service, etc. chemical, food, etc. We have applied for and obtained thirty national patents. All our products are tested to meet European standards and international standards like EN13765, ISO 9001. Our products have been exported to over 30 countries around the world

FUEL FLOATING HOSE

Floating Marine Fuel Hose Application:

These floating hoses are designed for the transportation of crude oil and liquid petroleum products between loading and unloading vessels in offshore mooring systems.

Standards and Specifications:

Floating oil and marine hoses are designed and produced in accordance with OCIMF standards. These products are also subject to manufacturing and testing requirements dictated by ISO9000: 2001 quality standards.

Nominal working pressure: The mold release hoses will have an RWP of not less than 15 bar, 19 bar and 21 bar hoses are also available if specified by the customer. They are suitable for operation at an internal pressure of less. 0.85bar to RWP.

Flow rate:

The floating oil hose liner is made of an elastomer and fabric suitable for continuous operation at a flow velocity of 21 m / s.

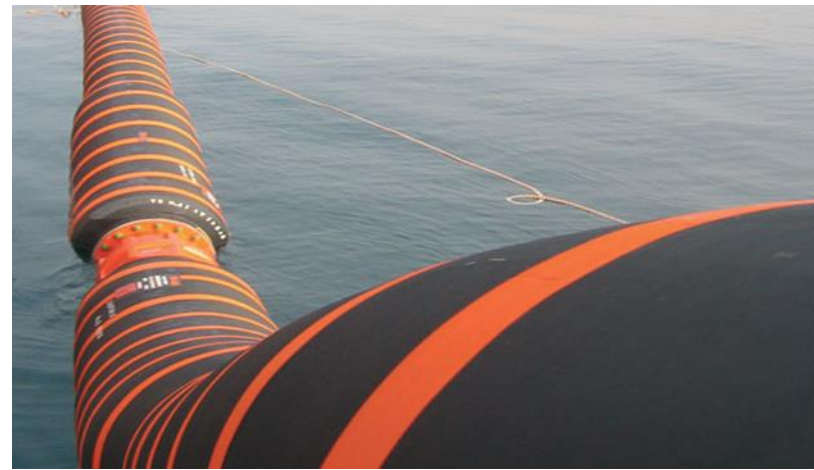
Resistance to temperature, petroleum products and aging

The floating oil hose is suitable for crude oil and liquid petroleum products from -20 °C to + 82 °C, and aromatic hydrocarbon content not more than 50% by volume.

Electrical continuity: For electrically continuous hoses, the copper wire and the helical steel wire will provide a low resistance connection.

Characteristics:

1. Independent foam floating shell to prevent water absorption.
 2. Outer layer with excellent resistance to abrasion, UV rays, aging and corrosive environment.
 3. Easy installation and less maintenance
 4. Custom steel flanges are available.
- Installation:
1. NBR Composite Synthetic Rubber Hose
 2. Reinforcement: high tensile strength woven with helical steel wire
 3. Independent foam
 4. Cover: CR synthetic rubber
 5. Ideal working temperature: -25 °C to + 82 °C
 6. Safety factor: 5: 1



Nominal Diameter (mm)	Outside Diameter (mm)		Weight in Air Empty (kg) Weight in Air full of Sea Water (kg)			Minimum Bending Radius (m)
	DI	D2	9.1m (30FT)	10.7m (35FT)	12.2m (40FT)	
	Body	End				
150(6")	430	485	852	963	1067	09
			1021	1162	1294	
200(8")	515	575	1114	1259	1396	12
			1410	1607	1793	
250(10")	600	675	1476	1667	1847	15
			1931	2201	2456	
300(12")	670	745	1822	2059	2281	18
			2490	2844	3176	
400(16")	825	850	2542	2877	3191	24
			3628	4154	4647	
500(20")	965	1000	3273	3712	4124	3
			4996	5738	6434	
600(24")	1120	1165	4378	4979	5544	36
			6885	7927	8905	

FLOATING HOSE FOR DREDGING

Floating Dredge Hose

Floating dredging hose and dredging pipe are mainly used for waterway dredging. Vacuum and discharge silt, grout, sand, and stone that have settled in the waterway. Flexible floating rubber dredging suction hose can extend the dredging distance. Our hoses perform well in resistance to corrosion, high pressure, bending and abrasion. The floating dredging hose and the dredging pipe could connect with the pipe well, reduce the sea wave, and make the conveying medium flow more smoothly.

Floating Dredge Hose Construction:

Tube: Excellent abrasion resistant NR / SBR synthetic rubber.

Reinforcement: high tensile strength fabrics with helical steel wire, independent foam

Cover: CR synthetic rubber

Floating Dredge Hose Application:

The Floating Dredge Hose is designed for port and dock discharge of seawater, crevices, sand, and other dredging applications. They are commonly used in part of the dock and harbor construction process.

Floating Dredge Hose Feature:

- The outer cover is made of a rubber compound that is highly resistant to weathering, UV rays and ozone.
- Wear indicator layers can be implemented on dredge hoses carrying abrasive medium.
- A single floating layer of foam prevents water absorption. The outlet of the hose above the water is not less than 20% of the total volume.
- Custom flanges are available.

Bending angle: In working condition, the bending angle is 0 ° to + 45 °.

Temperature: -25 °C to + 80 °C (-13 °F to + 176 °F)



Item code	I.D.		W.P.	B.P.	Wear layer Thickness	Cover Thickness	Length
	inch	mm	bar	bar	mm	mm	m
DDH300	12	300	5-15	15-45	12-15	5	1.5-2.0
DDH400	16	400	5-15	15-45	12-15	5	1.5-2.0
DDH450	18	450	5-15	15-45	12-15	5	1.5-2.0
DDH500	20	500	10-20	30-60	15-20	5	1.5-2.0
DDH550	22	550	10-20	30-60	15-20	5	1.5-2.0
DDH600	24	600	15-25	45-75	15-20	5	1.5-2.0
DDH650	26	650	15-25	45-75	15-20	5	1.5-2.0
DDH700	28	700	15-25	45-75	20-25	5	1.5-2.0
DDH750	30	750	15-25	45-75	20-25	5	1.5-2.0
DDH800	32	800	15-25	45-75	25-50	5-8	1.5-2.0
DDH900	36	900	20-30	60-90	25-50	5-8	2.0-3.0
DDH1000	40	1000	25-30	75-90	25-50	5-8	2.0-3.0
DDH1100	44	1100	25-30	75-90	25-50	5-8	2.0-3.0

CHEMICAL COMPOUNDS HOSE – STANDAR SERVICES

This product is mainly used for the transfer of liquid chemicals in tanker trucks, warehouses, ships and shores. It is acid and alkali resistant, solvent resistant, suitable for transporting most liquid chemicals under conventional working conditions. There are a variety of hose types to choose from for different chemicals.

The product is one of the most used in chemical hoses, with high durability, safety and profitability.

Diameter
1 Inch to 12 Inch

Pressure
Working Pressure
Max. 16 Bar

Temperature
-30 °C to +80 °C



Specifications

Standard: EN 13765:2003 Type 3 / BS 5842:1980; Vacuum: 0.9 Bar; Safety Factor: $\geq 4:1$;

Bore Diameter (Inch)	Max. Working Pressure (MPa)	Min. Bend Radius (mm)	Weight (kg/m)
1	1.6	200	1.35
1.5	1.6	200	1.80
2	1.6	225	2.45
2.5	1.6	225	3.20
3	1.6	350	4.20
4	1.6	400	4.90
6	1.6	575	12.90
8	1.6	800	20.10
10	1.6	1000	26.50
12	1.6	1200	31.80

Construction

Inner Wire Helix: Galvanized steel / stainless steel 304 / stainless steel 316.

Lining: PP (Polypropylene).

Cover: PVC / PP.

Outer Wire Helix: Galvanized steel / stainless steel 304 / stainless steel 316.

SUBMARINE DREDGING HOSE

Dredge Hose Discharge

Discharge Dredge Hose and sleeves can be equipped with all different types of flanges. They are available in any size, burst pressure up to 150 bar. The specified liner thickness applies to both the inside of the hose and the flanges. Tri-color wear indicators are optionally available. All parameters can be designed according to your application conditions and engineering drawings.

Construction of the discharge dredge hose:

Tube: Abrasion resistant synthetic rubber with heavy duty breaker layers coated with high quality synthetic rubber for maximum liner adhesion to the hose casing.

Reinforcement: Multiple layers of high tensile strength reinforcing materials with excellent resistance to fatigue. Fully embedded steel wire coils are incorporated for resistance to local loading, crushing and twisting.

Cover: Synthetic rubber, resistant to abrasion, weathering, seawater and oil. The cover, which incorporates layers of rupture reinforcement, is either black with a bright orange spiral stripe or is coated with a tough bright orange polyurethane.

Discharge Dredge Hose Application:

The discharge dredging hose is used to transport sediment together with dredging boats in the port and dock, it is used to discharge sea water, silt, sand and other dredging materials, it can be connected with the pipeline well and reduce the rocking of the waves, so that the medium can flow more smoothly.

Feature of discharge dredge hose:

- Excellent rigidity and resistance to external physical damage.
- High resistance to abrasion.
- Resistance to weathering and sea water
- 35 bar maximum working pressure for heavy duty
- UV resistant cover

Discharge dredge hose temperature: -25 °C to + 80 °C (-13 °F to + 176 °F)



Item code	10		W.P. bar	B.P. bar	M in Bending Rad ius m m	Wea r l ayer Thickness m m	Cover Thiclme SS m m	length m
	inch	m m						
FOH 150	6	150	5-10	15-30	80	10-20	8-12	118
FOH200	8	200	5-10	15-30	80	10-20	8-12	118
FOH250	10	250	5-10	15-30	80	10-20	8-12	118
FOH300	12	300	10-20	30-60	120	12-25	10-15	118
FOH350	14	350	10-20	30-60	120	12-25	10-15	118
FOH400	16	400	10-20	30-60	120	12-25	10-15	118
FOH450	18	450	10-20	30-60	120	12-25	10-15	118
FOH500	20	500	10-20	30-60	120	12-25	10-15	118
FOH600	24	600	15-20	45-60	150	20-30	12-15	118
FOH650	26	650	15-20	45-60	150	20-30	12-15	118
FOH700	28	700	20-25	60-75	150	30-50	15-18	118
FOH750	30	750	20-25	60-75	150	30-50	15-18	118
FOH800	32	800	20-25	60-75	150	30-50	15-18	118
FOH850	34	850	20-25	60-75	150	30-50	15-18	118
FOH900	36	900	25-30	75-90	150	30-50	18-20	118
FOH1000	40	1000	25-30	75-90	150	50-75	18-20	118
FOH1100	44	1100	25-30	75-90	150	50-75	18-20	118

HOSE FOR MINERY MATERIALS

Hose for mining sludge. Liner Pure Gum. Versatile, rugged, rubberized alternative to cumbersome and inflexible steel tubing. Easy handling and the reusable quick-clamping flange system make installation easy. Absorbs system vibration and prevents equipment wear. Compensates for thermal expansion and contraction, reduces noise. Flexible connection for hard misalignment of pipes. In mining and other highly abrasive applications, slurry hoses have internal liners to mitigate abrasive hose wear. In addition, the main pipes used in high abrasion pumping operations are also often lined with rubber or other material to reduce wear.

Construction of the mining slurry hose:

Tube: NR / SBR black rubber compound.

Reinforcement: Multilayer synthetic fabric with wire helix.

Cover: Black NR / SBR corrugated abrasion and weather resistant.

Mining mud hose application:

Slurry hoses are primarily designed for handling viscous and abrasive slurries from mines and quarries. They can also be used to handle dry materials such as sand, gravel, and grains. External bolt on flanges allows for easy installation and uninterrupted free flow.

Mining Sludge Hose Feature:

- Versatile rugged alternative to inflexible steel pipe system
- Absorbs system vibration and prevents equipment wear.
- Can be cut to size and assembled on site for immediate installation
- Split flange coupling

Mining slurry hose temperature: -40 °C to + 82 °C (-40 °F to +180 °F)



Item Code	LO.		OO		W.P		B.P		Min B.R.		LENGTH	
	m m	inch	mm	inch	psi	bar	psi	bar	inch	mm	ft	m
MSH051	51	2	79	311	150	10	450	30	12	305	200	61
MSH076	76	3	118	465	150	10	450	30	14	356	200	61
MSH102	102	4	137	538	150	10	450	30	20	508	200	61
MSH127	127	5	167	658	150	10	450	30	26	660	200	61
MSH152	152	6	196	773	150	10	450	30	30	762	40	12
MSH203	203	8	255	1.002	150	10	450	30	68	1727	40	12
MSH254	254	10	302	1.189	150	10	450	30	78	1981	40	12
MSH305	305	12	349	1.374	150	10	450	30	98	2489	40	12
MSH355	355	14	416	1.636	150	10	450	30	111	2819	40	12

AVIATION FUEL HOSE

Applicable Standards EN 13765 BS 5842:198

Diameter	Working Pressure	Temperature
1 Inch to 4 Inch	Max. 16 Bar	-30 °C to +80 °C

Product Details

Aviation fuel hose is a kind of composite hose specifically designed for launch vehicles and aircraft fueling. It is composed of high-strength inner and outer wire, multi-layer special sealing materials, multi-layer high-strength tensile materials, and an anti-aging and anti-wear cover.

The materials of this hose meet the China Military Technical Standards for Kerosene of Liquid Rocket Engine (GJB5425-2005). Its high cleanliness meets the requirements and standards for transferring aviation fuel..

Construction

High strength inner and outer spring steel wire
Multi-layer special sealing material
Multiple layers of high tensile material
Outer layer: anti-aging, anti-wear layer

Couplings/Fittings

Customized couplings or fittings are available on request.



Bore Diameter	Max. Working Pressure	Min. Bend Radius	Weight
inch	MPa	mm	kg/m
1	1.6	200	1.50
1.5	1.6	200	2.00
2	1.6	225	2.70
2.5	1.6	225	3.40
3	1.6	350	4.50
4	1.6	400	6.50



Tank Truck Hose

Applicable standards EN 13765

BS 3492:1987

Diameter	Working Pressure	Temperature
1" to 4"	Max. 7 bar	-30 °C to +80 °C

Product Details

Tank truck hoses are designed for conveying Hydrocarbons and aromatics for tank truck applications.

Tank truck composite hoses are extremely flexible and low weight. This ensures that they are easy to handle by operators and truck drivers. Used in cars, trains, tanks and other need to move hoses frequently chemical M transmission loading and unloading

Transfer all kinds of oils, aromatic products and most liquid Suitable for the pressure and working conditions are not high requirements of the environment.

Construction

Inner wire: Galvanized steel or Stainless steel 316/304 Outer wire: Galvanized steel or Stainless steel 316/304 Inner lining: Nylon or Polypropylene, Cover: Polyester coated PVC

Couplings/Fittings, Customized couplings or fittings are available on request.



Bore Diameter		Max Working Pressure	Bend Radius	Weight
in	mm	MPa	mm	kg/m
1	25	0.7	125	1.00
1.5	40	0.7	125	1.25
2	50	0.7	150	1.50
2.5	65	0.7	150	1.85
3	80	0.7	250	2.50
4	100	0.7	300	3.20

FITTINGS & ACCESSORIES



FITTINGS & ACCESSORIES



Flanges: Materials: Q235, PP, SS304, SS304L, SS316, SS316L, ABS / Size: 1/2"-12" Standard: GB.ANSI, HG.SH.



Camlock Materials: Cu, Al, SS304. SS316 Size: 1/2" - 6" Types: Type A, Type B, Type C, Type D, Type E, Type F



Dust Cap Materials: Cu, Al, SS304. SS316 Size: 1/2" - 6" Types: Type DC, Type DP



Tank Truck Camlock Materials: Al



Adaptor Materials: Q235, SS304, SS316



Customized connector: Materials: Cu, Al, Q235, SS304, SS316

FITTINGS & ACCESSORIES



Anti-wear Ring
Materials: SS 304 + Rubber Size:
for 2" -12" composite hose

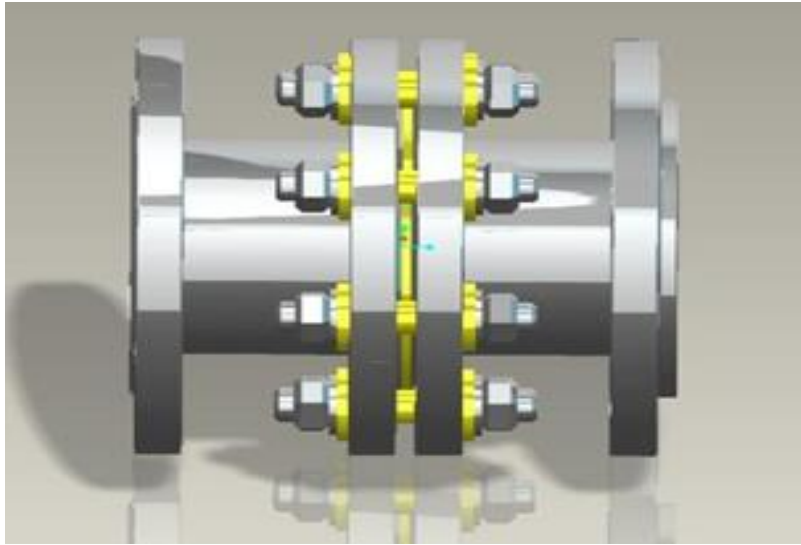


Anti-wear rope Materials: PE
Size: for 2" -12" composite hose

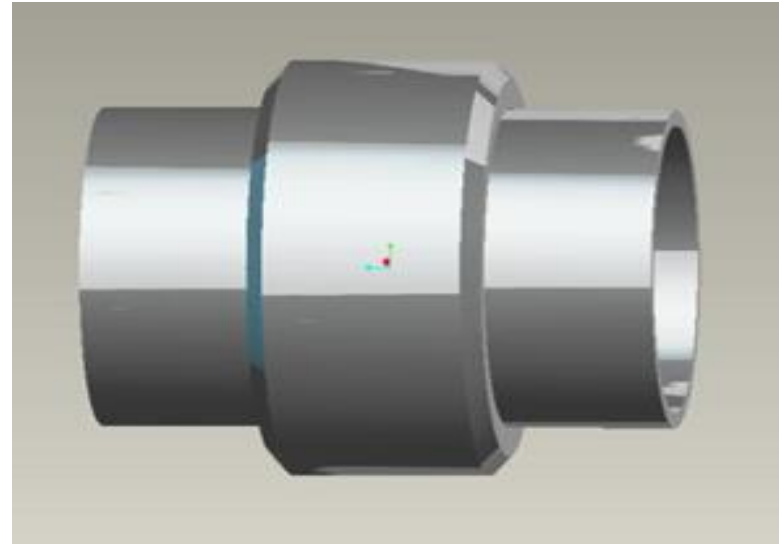


Spiral protective sleeve
Materials: PP
Size: for 2" -8" composite hose

FITTINGS & ACCESSORIES



Insulating flange
Materials: Q235, SS304,
SS316 Size: 1"~12"



Insulating short pipe
Materials: Q235, SS304, SS316
Size: 1"~12"



Pipe cleaning ball Size: 1"~12"



SKID
Materials: Cu, Al, Q235, SS304,
SS316
Size: for 2" -12" composite hose



Hose Sling
Materials: Polyester Fiber
Size: for 4" -12" composite hose



**Blind flange Materials: Cu,
Al, Q235,SS304,SS316
Size: 1/2"-12"**

FITTINGS & ACCESSORIES



Insulation short connection: SY/T 0516, JTS 158

Insulating flange: SY/T 0516

New type of insulating flange: SY/T 0516

Butterfly valve: GB/T12238、API 609

Ball valve: GB/T 12237

Emergency release couplings: GB/T 38520, GB 22380



a. Flange and blind plate: HG/T 20592, HG/T 20615, ASME B16.5, SH/T3406 and non-standard customized.

b. Cam lock: GB/T 16693, A-A-59326.

c. Union coupling: API Figure 206.

d. Reducing coupling: GB/T 12459 e. Guillemin coupling: E29-572.

f. Vapor recovery coupling: OPW Civacon 633CPP-4030 Vapor couplers.

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