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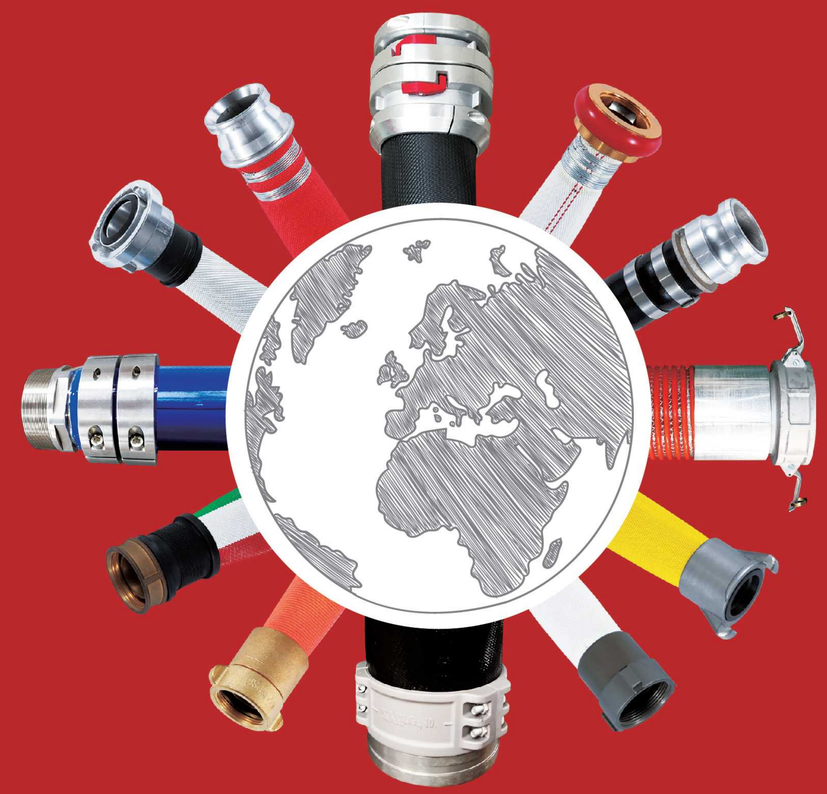
API UL ULC FM BS6391 EN14540 LR NSF NFPA EN694 CCS MSHA EN671 DIN14811

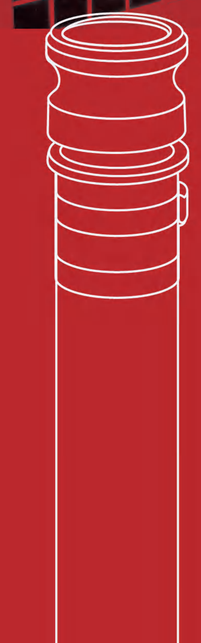
ZYfire®



Hose Solutions

ZYfire Hose Corporation

ZYfire®



Mission of ZYfire

to provide superior fluid transmission solutions for the world.

Value of ZYfire

Prudence endless efforts for absolute perfection

Prestige worldwide reputation with supreme goodness

Partnership selfless dedication to society

ZYfire Hose Corporation (stock code: 871694), was established in 2000. We focus on the research and development manufacturing and sales of lay-flat hoses, made of polyurethane, rubber and plastic alloy, modified PE and other polymer materials. We are a high-tech enterprise specialized in manufacturing through-the-weave extrusion lay-flat hoses. Our products are applied in a variety of fields, including fire fighting, industrial, agricultural, mining, oil and gas fracturing and no-dig pipe rehabilitation.

ZYfire USA Corporation, as the largest branch of ZYfire, covers 1500,000 square meters located in Houston, Texas, USA, occupies the majority market share in oil and gas industry and supplies 7/24 hour service with variety of large diameter Fracflo Hose, Fracflo Hose Plus, Oneflex Hose etc.

ZYfire covers an area of 150000 square meters and has more than 300 employees, more than 90 professionals and 12 senior professionals. ZYfire introduces advanced technology and equipment from Europe and America, has the international leading 10~300 meters free telescopic vulcanization platform and large automatic rubber mixing center and the core of through-the-weave extrusion technology, can provide various specifications of customized hose, with diameters from 16mm to 1500mm, and lengths up to 10,000 meters.

ZYfire has passed ISO9001, ISO14001, OHAS18001, AP1 Q1 and other system certifications. ZYfire hoses are approved by UL, FM, NFPA, GL/MED, EN14540, EN694, BS6391-type 3, CE, NSF-61, MSHA, EN671, DIN14811, National Compulsory CCC Certification, China Classification Society CCS certification, etc.

More than 70% of our products are exported to Europe, America, Australia, Middle East, South America and other developed countries and regions. While fully satisfying customers' "high quality, high value, low cost and short lead time", ZYfire is committed to providing customers with personalized pipeline system integration solutions.

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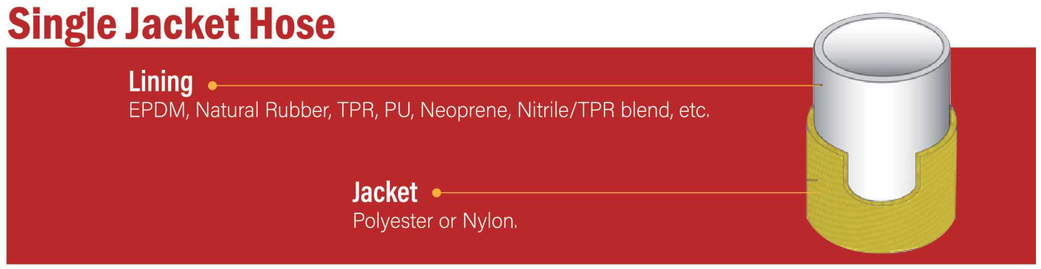
Certificates

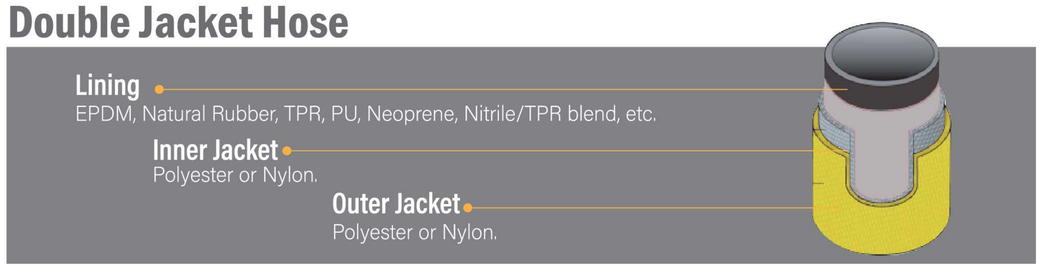
API BS6391 EN14540 EN694 EN671 DIN14811

Hose Construction

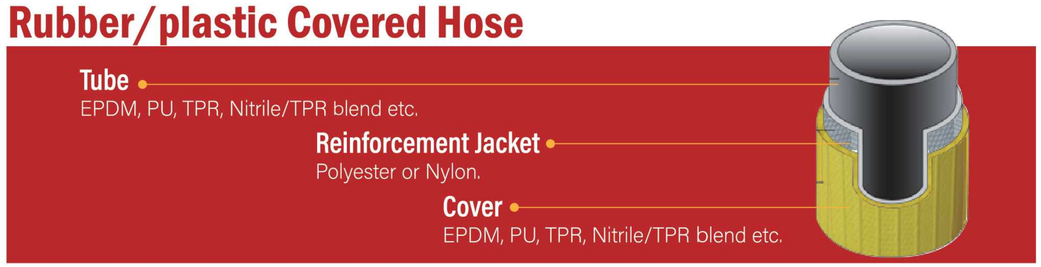
Single Jacket Hose

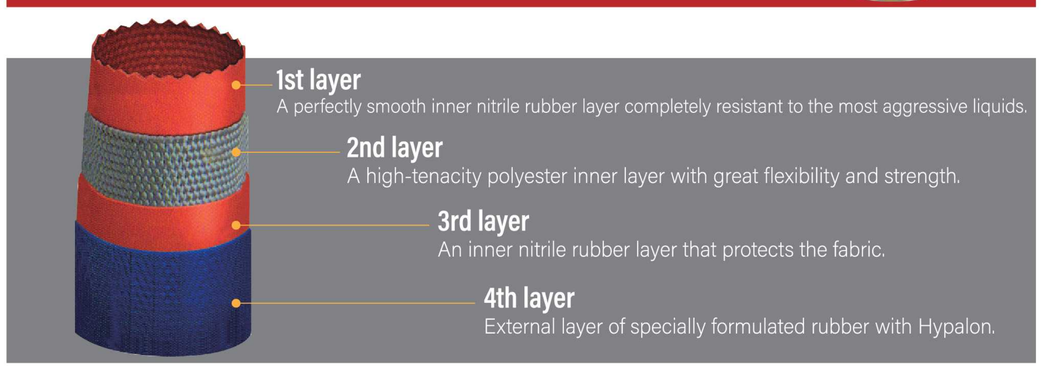


Double Jacket Hose



Rubber/plastic Covered Hose





ZYfire manufactures a full line of Layflat Hose, including Woven Jacket Hose (Single and Double Jacket) and Rubber or Plastic Covered Hose.

FIRE FIGHTING

API UL ULC FM BS6391 EN14540 NSF NFPA EN694 CCS MSHA EN671 DIN14811

Sintack-U (Rack-U)

TPU Lined Hose

UL ULC FM APPROVED CCS

Jacket	100% Virgin Polyester Jacket. Single Jacket, Twill or Plain Weave.
Lining	Polyurethane (TPU) Tube.
Application	Rack Hose. Cabinet Hose. Premium Solution.
Standard Length	15m (50ft), 20m (66ft), 25m (82ft), 30m (100ft).
Color	

ID		Service Pressure	Minimum Burst Pressure
inch	mm	psi/bar	psi/bar
1 1/2″	40	150/10, 200/14, 220/15, 250/17	450/30, 600/42, 660/45, 750/51
1 3/4″	45	150/10, 200/14, 220/15, 250/17	450/30, 600/42, 660/45, 750/51
2″	50	150/10, 200/14, 220/15, 250/17	450/30, 600/42, 660/45, 750/51
2 1/2″	65	150/10, 200/14, 220/15, 250/17	450/30, 600/42, 660/45, 750/51
2 3/4″	70	150/10, 200/14, 220/15, 250/17	450/30, 600/42, 660/45, 750/51
3″	75	150/10, 200/14, 220/15, 250/17	450/30, 600/42, 660/45, 750/51
4″	102	150/10, 200/14, 220/15, 250/17	450/30, 600/42, 660/45, 750/51
6″	152	150/10, 200/14, 220/15, 250/17	450/30, 600/42, 660/45, 750/51

Sintack-D (Rack-D)

EPDM Lined Hose

UL FM APPROVED EN14540 DIN14811

Jacket	100% Virgin Polyester Jacket. Single Jacket. Twill or Plain Weave.
Lining	EPDM Rubber Tube.
Application	Industrial Fire Fighting. Fire Hose for Brigade. Premium Solution.
Standard Length	15m (50ft), 20m (66ft), 25m (82ft), 30m (100ft).
Color	

ID		Service Pressure	Minimum Burst Pressure
inch	mm	psi/bar	psi/bar
1 1/4″	32	150/10, 200/14, 220/15, 250/17, 300/21	450/30, 600/42, 660/45, 750/51, 900/63
1 1/2″	40	150/10, 200/14, 220/15, 250/17, 300/21	450/30, 600/42, 660/45, 750/51, 900/63
1 3/4″	45	150/10, 200/14, 220/15, 250/17, 300/21	450/30, 600/42, 660/45, 750/51, 900/63
2″	50	150/10, 200/14, 220/15, 250/17, 300/21	450/30, 600/42, 660/45, 750/51, 900/63
2 1/2″	65	150/10, 200/14, 220/15, 250/17, 300/21	450/30, 600/42, 660/45, 750/51, 900/63
2 3/4″	70	150/10, 200/14, 220/15, 250/17	450/30, 600/42, 660/45, 750/51
3″	75	150/10, 200/14, 220/15, 250/17	450/30, 600/42, 660/45, 750/51
4″	102	150/10, 200/14, 220/15, 250/17	450/30, 600/42, 660/45, 750/51
6″	152	150/10, 200/14, 220/15, 250/17	450/30, 600/42, 660/45, 750/51

* All technical parameters listed herein are for reference only and subject to change without notice. For details please confirm with Zyfire.

Sintack-P

TPR Lined Hose

EN14540

Jacket	100% Virgin Polyester Jacket, Single Jacket. Twill or Plain Weave.
Lining	TPR Tube.
Application	Rack Hose. Cabinet Hose. Industrial Fire Fighting, Fire Hose for Brigade, Economic Solution.
Standard Length	15m (50ft), 20m (66ft), 25m (82ft), 30m (100ft).
Color	

ID		Service Pressure	Minimum Burst Pressure
inch	mm	psi/bar	psi/bar
1 1/4″	32	150/10, 200/14, 220/15, 250/17, 300/21	450/30, 600/42, 660/45, 750/51, 900/63
1 1/2″	40	150/10, 200/14, 220/15, 250/17, 300/21	450/30, 600/42, 660/45, 750/51, 900/63
1 3/4″	45	150/10, 200/14, 220/15, 250/17, 300/21	450/30, 600/42, 660/45, 750/51, 900/63
2″	50	150/10, 200/14, 220/15, 250/17, 300/21	450/30, 600/42, 660/45, 750/51, 900/63
2 1/2″	65	150/10, 200/14, 220/15, 250/17, 300/21	450/30, 600/42, 660/45, 750/51, 900/63
2 3/4″	70	150/10, 200/14, 220/15, 250/17	450/30, 600/42, 660/45, 750/51
3″	75	150/10, 200/14, 220/15, 250/17	450/30, 600/42, 660/45, 750/51
4″	102	150/10, 200/14, 220/15, 250/17	450/30, 600/42, 660/45, 750/51
6″	152	150/10, 200/14, 220/15, 250/17	450/30, 600/42, 660/45, 750/51

Sintack-N

Nitrile Rubber Lined Hose

CCS

Jacket	100% Virgin Polyester Jacket, Single Jacket. Twill or Plain Weave.
Lining	Nitrile Rubber Tube.
Application	Industrial Fire Fighting, Fire Hose for Brigade, Economic Solution.
Standard Length	15m (50ft), 20m (66ft), 25m (82ft), 30m (100ft).
Color	

ID		Service Pressure	Minimum Burst Pressure
inch	mm	psi/bar	psi/bar
1 1/4″	32	150/10, 200/14, 220/15, 250/17, 300/21	450/30, 600/42, 660/45, 750/51, 900/63
1 1/2″	38	150/10, 200/14, 220/15, 250/17, 300/21	450/30, 600/42, 660/45, 750/51, 900/63
1 3/4″	45	150/10, 200/14, 220/15, 250/17, 300/21	450/30, 600/42, 660/45, 750/51, 900/63
2″	50	150/10, 200/14, 220/15, 250/17, 300/21	450/30, 600/42, 660/45, 750/51, 900/63
2 1/2″	65	150/10, 200/14, 220/15, 250/17, 300/21	450/30, 600/42, 660/45, 750/51, 900/63
2 3/4″	70	150/10, 200/14, 220/15, 250/17	450/30, 600/42, 660/45, 750/51
3″	75	150/10, 200/14, 220/15, 250/17	450/30, 600/42, 660/45, 750/51
4″	102	150/10, 200/14, 220/15, 250/17	450/30, 600/42, 660/45, 750/51
6″	152	150/10, 200/14, 220/15, 250/17	450/30, 600/42, 660/45, 750/51

* All technical parameters listed herein are for reference only and subject to change without notice. For details please confirm with Zyfire.

Twintack-U

TPU Lined Hose

FM APPROVED

Jacket	100% Virgin Polyester Jacket. Double Jacket, Twill or Plain Weave. High Performance in Abrasion Resistance.
Lining	TPU Tube.
Application	Industrial Fire Fighting, Fire Hose for Brigade.
Standard Length	15m (50ft), 20m (66ft), 25m (82ft), 30m (100ft).
Color	

ID		Service Pressure	Minimum Burst Pressure
inch	mm	psi/bar	psi/bar
1 1/4″	32	250/17, 300/21, 400/28	750/51, 900/63, 1200/84
1 1/2″	38	250/17, 300/21, 400/28	750/51, 900/63, 1200/84
1 3/4″	45	250/17, 300/21, 400/28	750/51, 900/63, 1200/84
2″	50	250/17, 300/21, 400/28	750/51, 900/63, 1200/84
2 1/2″	65	250/17, 300/21, 400/28	750/51, 900/63, 1200/84
2 3/4″	70	250/17, 300/21, 400/28	750/51, 900/63, 1200/84
3″	75	250/17, 300/21, 400/28	750/51, 900/63, 1200/84
4″	102	250/17, 300/21, 400/28	750/51, 900/63, 1200/84
6″	152	250/17, 300/21, 400/28	750/51, 900/63, 1200/84

Twintack-D

EPDM Lined Hose

UL FM APPROVED

Jacket	100% Virgin Polyester Jacket. Double Jacket, Twill or Plain Weave. High Performance in Abrasion Resistance.
Lining	EPDM Rubber Tube.
Application	Industrial Fire Fighting, Fire Hose for Brigade.
Standard Length	15m (50ft), 20m (66ft), 25m (82ft), 30m (100ft).
Color	

ID		Service Pressure	Minimum Burst Pressure
inch	mm	psi/bar	psi/bar
1 1/4″	32	250/17, 300/21, 400/28	750/51, 900/63, 1200/84
1 1/2″	38	250/17, 300/21, 400/28	750/51, 900/63, 1200/84
1 3/4″	45	250/17, 300/21, 400/28	750/51, 900/63, 1200/84
2″	50	250/17, 300/21, 400/28	750/51, 900/63, 1200/84
2 1/2″	65	250/17, 300/21, 400/28	750/51, 900/63, 1200/84
2 3/4″	70	250/17, 300/21, 400/28	750/51, 900/63, 1200/84
3″	75	250/17, 300/21, 400/28	750/51, 900/63, 1200/84
4″	102	250/17, 300/21, 400/28	750/51, 900/63, 1200/84
5″	127	250/17, 300/21, 400/28	750/51, 900/63, 1200/84
6″	152	250/17, 300/21, 400/28	750/51, 900/63, 1200/84

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Twintack-N

Nitrile/TPR Lined Hose

Jacket	100% Virgin Polyester Jacket, Double Jacket, Twill or Plain Weave. High Performance in Abrasion Resistance.
Lining	Nitrile/TPR Tube.
Application	Industrial Fire Fighting, Fire Hose for Brigade.
Standard Length	15m (50ft), 20m (66ft), 25m (82ft), 30m (100ft), 50m (165ft), 100m (330ft).
Color	

ID		Service Pressure	Minimum Burst Pressure
inch	mm	psi/bar	psi/bar
1 1/4″	32	250/17, 300/21, 400/28	750/51, 900/63, 1200/84
1 1/2″	38	250/17, 300/21, 400/28	750/51, 900/63, 1200/84
1 3/4″	45	250/17, 300/21, 400/28	750/51, 900/63, 1200/84
2″	50	250/17, 300/21, 400/28	750/51, 900/63, 1200/84
2 1/2″	65	250/17, 300/21, 400/28	750/51, 900/63, 1200/84
2 3/4″	70	250/17, 300/21, 400/28	750/51, 900/63, 1200/84
3″	75	250/17, 300/21, 400/28	750/51, 900/63, 1200/84
4″	102	250/17, 300/21, 400/28	750/51, 900/63, 1200/84
6″	152	250/17, 300/21, 400/28	750/51, 900/63, 1200/84

Twintack-S

SBR Lined Hose

Jacket	100% Virgin Polyester Jacket. Double Jacket, Twill or Plain Weave. High Performance in Abrasion Resistance.
Lining	SBR Tube, or Latex Rubber Tube.
Application	Industrial Fire Fighting, Fire Hose for Brigade.
Standard Length	15m (50ft), 20m (66ft), 25m (82ft), 30m (100ft), 50m (165ft), 100m (330ft).
Color	

ID		Service Pressure	Minimum Burst Pressure
inch	mm	psi/bar	psi/bar
1 1/4″	32	250/17, 300/21, 400/28	750/51, 900/63, 1200/84
1 1/2″	38	250/17, 300/21, 400/28	750/51, 900/63, 1200/84
1 3/4″	45	250/17, 300/21, 400/28	750/51, 900/63, 1200/84
2″	50	250/17, 300/21, 400/28	750/51, 900/63, 1200/84
2 1/2″	65	250/17, 300/21, 400/28	750/51, 900/63, 1200/84
2 3/4″	70	250/17, 300/21, 400/28	750/51, 900/63, 1200/84
3″	75	250/17, 300/21, 400/28	750/51, 900/63, 1200/84
4″	102	250/17, 300/21, 400/28	750/51, 900/63, 1200/84
6″	152	250/17, 300/21, 400/28	750/51, 900/63, 1200/84

* All technical parameters listed herein are for reference only and subject to change without notice. For details please confirm with Zyfire.

Lexus Hose

Nitrile Rubber Covered Hose

Reinforcement Polyester Filament.

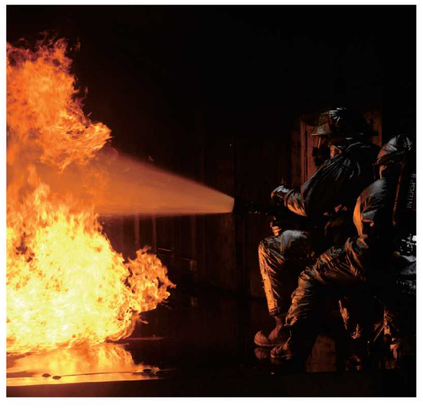
Lining and Cover Nitrile/TPR Blend Tube, Thin Rib on Cover Increases Performance in Abrasion Resistance.

Application Large Diameter Hose for Water Supply, Municipal, Industrial Fire Fighting.

Standard Length 15m (50ft), 30m (100ft), 50m (165ft), 100m (330ft).

Color

ID		Service Pressure	Minimum Burst Pressure
inch	mm	psi/bar	psi/bar
1 1/4"	32	200/14, 220/15, 250/17, 300/21, 400/28	600/42, 660/45, 750/51, 900/63, 1200/84
1 1/2"	38	200/14, 220/15, 250/17, 300/21, 400/28	600/42, 660/45, 750/51, 900/63, 1200/84
1 3/4"	45	200/14, 220/15, 250/17, 300/21	600/42, 660/45, 750/51, 900/63
2"	50	200/14, 220/15, 250/17, 300/21	600/42, 660/45, 750/51, 900/63
2 1/2"	65	200/14, 220/15, 250/17, 300/21	600/42, 660/45, 750/51, 900/63
2 3/4"	70	200/14, 220/15, 250/17, 300/21	600/42, 660/45, 750/51, 900/63
3"	75	150/10, 200/14, 220/15, 250/17	450/30, 600/42, 660/45, 750/51
4"	102	150/10, 200/14, 220/15, 250/17	450/30, 600/42, 660/45, 750/51
4 1/2"	115	150/10, 200/14, 220/15, 250/17	450/30, 600/42, 660/45, 750/51
5"	127	120/8, 150/10, 200/14	360/24, 450/30, 600/42
5 1/2"	140	120/8, 150/10, 200/14	360/24, 450/30, 600/42
6"	154	120/8, 150/10, 200/14	360/24, 450/30, 600/42
7 1/4"	184	120/8, 150/10	360/24, 450/30
8"	204	120/8, 150/10	360/24, 450/30
10"	254	120/8	360/24
12"	306	120/8	360/24



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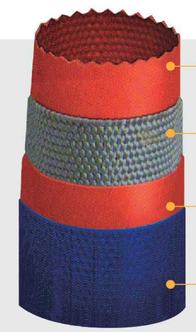
Lexus 4K



1st layer
A perfectly smooth inner nitrile rubber layer completely resistant to the most aggressive liquids.

2nd layer
A high-tenacity polyester inner layer with great flexibility and strength.

3rd layer
An inner nitrile rubber layer that protects the fabric.

4th layer
External layer of specially formulated rubber with Hypalon.

Advantages

The adhesion strength of through-the-weave internal layer is 50N, and our existing two steps hose also can reach 50N by improving the weave.
The outer layer utilizes spe ial materials (such as Hypalon, Nitrile Rubber Mixed with Kevlar Pulp etc) to increase the abrasive and aging resistance of the hose, and greatly increase its service life.
The internal layer can be customized (NBR/TPR, EPDM, etc) for different operating environments.

Characteristics

Hose is resistant to different types of attack: abrasion, oil, acid, chemical, cracking, heat, adverse weather conditions, delamination, kinking, ozone, petroleum, etc.

Length As Per Request.

Temperature -30℃ to +100℃

Internal Lining Material Customized.

Color

Easy to coil, dry or deploy.

ID		Weight		Thickness	Service Pressure		Test Pressure		Minimum Burst Pressure	
inch	mm	lbs/ft	Kg/m	mm	bar	psi	bar	psi	bar	psi
1"	25	0.175	260	2.4	20-30	290-435	40-60	580-870	60-90	870-1305
1 1/2"	38	0.260	385	2.4	16-25	232-363	32-50	464-725	48-75	696-1088
1 3/4"	45	0.285	425	2.4	16-25	232-363	32-50	464-725	48-75	696-1088
2"	52	0.330	490	2.5	16-25	232-363	32-50	464-725	48-75	696-1088
2 1/2"	65	0.435	650	2.6	16-20	232-290	32-40	464-580	48-60	696-870
2 3/4"	70	0.470	700	2.6	16-20	232-290	32-40	464-580	48-60	696-870
3"	75	0.510	760	2.6	16-20	232-290	32-40	464-580	48-60	696-870

* All technical parameters listed herein are for reference only and subject to change without notice. For details please confirm with Zyfire.

Reelite

TPU Lined Semi-rigid Hose

EN694

Jacket	100% Virgin High Tenacity Polyester, Single Jacket Combined with Nylon Helical Interior Reinforcement.
Lining	TPU Tube.
Application	Construction Sites, Agriculture, Industrial Water Hose (Hot Water Available), Lightweight Air Pressure Hose, Reel Hose in Hose Cabinet, Wildfire Fighting.
Standard Length	15m (50ft), 30m (100ft), 60m (200ft).
Color	

ID		Service Pressure	Minimum Burst Pressure
inch	mm	psi/bar	psi/bar
1/2"	13	300/21, 400/28, 600/42, 725/50	900/63, 1200/84, 1800/126, 2175/150
3/4"	19	300/21, 400/28, 600/42	900/63, 1200/84, 1800/126
1"	25	300/21, 400/28, 600/42	900/63, 1200/84, 1800/126
1 1/4"	33	300/21, 400/28, 600/42	900/63, 1200/84, 1800/126
1 1/2"	40	300/21, 400/28	900/63, 1200/84

Reelflex

EPDM Lined Semi-rigid Hose

EN694

Jacket	100% Virgin High Tenacity Filament Polyester Single Jacket Combined with Nylon Helical Interior Reinforcement.
Lining	EPDM Tube.
Application	Construction Sites, Agriculture, Industrial Water Hose (Hot Water Available), Lightweight Air Pressure Hose, Reel Hose in Hose Cabinet, Wildfire Fighting.
Standard Length	15m (50ft), 20m (66ft), 25m (82ft), 30m (100ft), 60m (200ft).
Color	

ID		Service Pressure	Minimum Burst Pressure
inch	mm	psi/bar	psi/bar
1/2"	13	300/21, 400/28, 600/42	900/63, 1200/84, 1800/126
3/4"	19	300/21, 400/28, 600/42	900/63, 1200/84, 1800/126
1"	25	300/21, 400/28, 600/42	900/63, 1200/84, 1800/126
1 1/4"	33	300/21, 400/28, 600/42	900/63, 1200/84, 1800/126
1 1/2"	40	300/21, 400/28	900/63, 1200/84

* All technical parameters listed herein are for reference only and subject to change without notice. For details please confirm with Zyfire.

Forestry 1871/1872

TPU Lined Hose

Jacket	100% Virgin High Tenacity Polyester Filament Jacket, Single Jacket, Circular Woven Twill Weave or Plain Weave.
Lining	TPU Tube.
Application	Forestry Fire Fighting. Forestry Back Up Hose.
Standard Length	15m (50ft), 30m (100ft)
Color	

ID		Service Pressure		Minimum Burst Pressure	
inch	mm	psi	bar	psi	bar
1"	25	300	21	900	63
1 1/2"	38	300	21	900	63

Percolatac

TPU Lined Hose

Jacket	100% Virgin High Tenacity Polyester Jacket, Single Jacket, Circular Woven Twill Weave or Plain Weave. High Performance in Abrasion Resistance.
Lining	TPU Tube with Weeping Holes.
Application	Self Protection Percolating Hose for Forestry Fire Fighting, Weeping Hose.
Standard Length	15m (50ft), 30m (100ft)
Color	

ID		Service Pressure		Minimum Burst Pressure	
inch	mm	psi	bar	psi	bar
1"	25	300	21	900	63
1 1/2"	38	300	21	900	63
1 3/4"	45	300	21	900	63

* All technical parameters listed herein are for reference only and subject to change without notice. For details please confirm with Zyfire.

Marineflo-P

TPR Lined Hose

Jacket	100% Virgin High Tenacity Polyester Jacket, Single Jacket, Standard Wall Thickness.
Lining	TPR Tube.
Application	Marine Fire Hose, Marine Water Discharge.
Standard Length	15m (50ft), 20m (66ft), 25m (82ft), 30m (100ft)
Color	

ID		Service Pressure		Minimum Burst Pressure	
inch	mm	psi	bar	psi	bar
1 1/2"	40	220	15	660	45
1 3/4"	45	220	15	660	45
2"	50	220	15	660	45
2 1/2"	65	220	15	660	45
2 3/4"	70	220	15	660	45
3	75	220	15	660	45

Marineflo-D

EPDM Lined Hose

Jacket	100% Virgin High Tenacity Polyester Jacket, Single Jacket, Standard Wall Thickness.
Lining	EPDM Tube (Highly Aging Resistant, Ozone Resistant).
Application	Marine Fire Hose, Marine Water Discharge.
Standard Length	15m (50ft), 20m (66ft), 25m (82ft), 30m (100ft)
Color	

ID		Service Pressure		Minimum Burst Pressure	
inch	mm	psi	bar	psi	bar
1 1/2"	40	220	15	660	45
1 3/4"	45	220	15	660	45
2"	50	220	15	660	45
2 1/2"	65	220	15	660	45
2 3/4"	70	220	15	660	45
3	75	220	15	660	45

* All technical parameters listed herein are for reference only and subject to change without notice. For details please confirm with Zyfire.

Lexus

Nitrile Rubber Covered Hose

Reinforcement	Synthetic Yarn/Polyester Filament.
Lining and Cover	Nitrile/TPR Blend Tube, Heavy Rib on Cover Provides Greater Abrasion Resistance.
Application	Industrial Fire Fighting, Fire Hose for Brigade, Water Discharge.
Standard Length	15m (50ft), 20m (66ft), 25m (82ft), 30m (100ft)
Color	

ID		Service Pressure		Minimum Burst Pressure	
inch	mm	psi	bar	psi	bar
1 1/2"	40	220	15	660	45
1 3/4"	45	220	15	660	45
2"	50	220	15	660	45
2 1/2"	65	220	15	660	45

* All technical parameters listed herein are for reference only and subject to change without notice. For details please confirm with Zyfire.

INDUSTRIAL HOSE

BS6391 EN14540 EN694 EN671 DIN14811

Mill-NS

Nitrile Rubber Lined Hose

Jacket	100% Virgin High Tenacity Polyester Single Jacket, Standard Wall Thickness.
Lining	Nitrile Rubber (NR)/SBR Tube/CR
Application	Water Discharge, Wash Down, Construction Pumps, Cable Cover, Sling Protection, Economic Solution.
Standard Length	15m (50ft), 30m (100ft).
Color	

ID		Service Pressure	Minimum Burst Pressure
inch	mm	psi/bar	psi/bar
1 1/2″	38	120/8, 150/10	360/24, 450/30
1 3/4″	45	120/8, 150/10	360/24, 450/30
2″	50	120/8, 150/10	360/24, 450/30
2 1/2″	65	120/8, 150/10	360/24, 450/30
2 3/4″	70	120/8, 150/10	360/24, 450/30
3″	75	120/8, 150/10	360/24, 450/30
4″	102	120/8, 150/10	360/24, 450/30
6″	152	120/8, 150/10	360/24, 450/30

Mill-ND

Nitrile Rubber Lined Hose

Jacket	100% Virgin High Tenacity Polyester, Double Jacket, Thicker wall than Mill-NS. Better abrasion resistance performance than Mill-NS.
Lining	Nitrile Rubber (NR)/SBR Tube/CR.
Application	Water Discharge, Wash Down, Construction Pumps, Cable Cover, Sling Protection.
Standard Length	15m (50ft), 30m (100ft).
Color	

ID		Service Pressure	Minimum Burst Pressure
inch	mm	psi/bar	psi/bar
1 1/2″	38	300/20, 400/28	900/60, 1200/84
1 3/4″	45	300/20, 400/28	900/60, 1200/84
2″	50	300/20, 400/28	900/60, 1200/84
2 1/2″	65	300/20, 400/28	900/60, 1200/84
2 3/4″	70	300/20, 400/28	900/60, 1200/84
3″	75	300/20, 400/28	900/60, 1200/84
4″	102	300/20, 400/28	900/60, 1200/84
6″	152	300/20, 400/28	900/60, 1200/84

* All technical parameters listed herein are for reference only and subject to change without notice. For details please confirm with Zyfire.

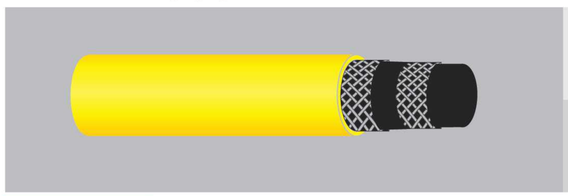
Oneflex Economic

TPR/Nitrile Blend Covered Hose

Lining and Cover	TPR/Nitrile Blend Tube, Ribbed cover for maximum abrasion resistance.
Reinforcement	100% virgin high tenacity polyester Jacket.
Application	Water discharge.
Standard Length	15m (50ft), 20m (66ft), 30m (100ft), 60m (200ft), 90m (300ft), 200m (660ft).
Manufacturing Technology	Three-ply technology and through-the-weave technology without delamination issues.
Color	

ID		Service Pressure	Minimum Burst Pressure
inch	mm	psi/bar	psi/bar
3/4″	19	200/14, 220/15, 250/17, 300/21, 400/28	600/42, 660/45, 750/51, 900/63, 1200/84
1″	25	200/14, 220/15, 250/17, 300/21, 400/28	600/42, 660/45, 750/51, 900/63, 1200/84
1 1/2″	38	150/10, 200/14, 220/15, 250/17, 300/21	450/30, 600/42, 660/45, 750/51, 900/63
2″	50	150/10, 200/14, 220/15, 250/17, 300/21	450/30, 600/42, 660/45, 750/51, 900/63
2 1/2″	65	150/10, 200/14, 220/15, 250/17, 300/21	450/30, 600/42, 660/45, 750/51, 900/63
3″	75	150/10, 200/14, 220/15, 250/17	450/30, 600/42, 660/45, 750/51
4″	102	150/10, 200/14	450/30, 600/42
6″	152	100/7, 150/10	300/21, 450/30
8″	204	100/7, 150/10	300/21, 450/30
10″	254	100/7, 150/10	300/21, 450/30
12″	306	100/7, 150/10	300/21, 450/30
16″	408	100/7, 150/10	300/21, 450/30

ZY Air Hose



Nitrile Rubber Lined Hose

Lining	Blend of synthetic elastomer compound, black, smooth, suitable for water and air, resistant to oil mist.
Cover	Synthetic elastomer compound, yellow, smooth with cloth impression, weather, ozone and abrasion resistant.
Reinforcement	High tensile textile cord.
Application	Robust air hose for heavy duty applications in heavy industry, construction and mining.
Temperature	-30℃ (-22℉) to +85℃ (+185℉)
Length	30m (100ft), 60m (200ft).

ID		O.D.	Service Pressure		Minimum Burst Pressure		Weight	
inch	mm	mm	bar	psi	bar	psi	lbs/ft	Kg/m
1 1/2″	38.1	52	20	300	60	900	1.01	1.5
2″	50.8	65	20	300	60	900	1.42	2.11
2 1/2″	63.5	81	20	300	60	900	1.94	2.89
3″	76.2	92	20	300	60	900	2.35	3.5
4″	101.6	118	20	300	60	900	3.56	5.3

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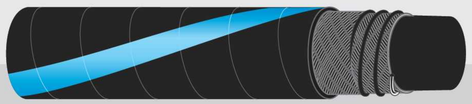
ZY Water Suction And Discharge Hose



Lining Black, smooth, synthetic rubber.

Cover Black, smooth (wrapped finish) synthetic rubber, weathering and ozone resistant.

Reinforcement High strength synthetic cord and helix wire.

Application Hardwall hose designed for suction and discharge of water, and non-corrosive fluids used in construction sites and light duty industrial applications.

Temperature -20℃ (-4℉) to +70℃ (+158℉)

Length 30m (100ft), 60m (200ft)

ID		O.D.	Service Pressure		Minimum Burst Pressure		Weight	
inch	mm	mm	bar	psi	bar	psi	lbs/ft	Kg/m
1 1/2"	38.1	52	10	150	30	450	0.73	1.08
2"	50.8	65	10	150	30	450	1.2	1.78
3"	76.2	92	10	150	30	450	1.9	2.83
4"	101.6	118	10	150	30	450	2.6	3.87
6"	152.4	171	10	150	30	450	4.9	7.29
8"	203.2	224	10	150	30	450	7.2	10.71

ZY Tank Truck Hose

Lining Black, smooth, synthetic, rubber.

Cover Black, corrugated (wrapped finish), synthetic rubber, oil, fuel, and weathering resistant.

Reinforcement High strength synthetic cord and helix wire.

Application Hardwall hose designed for suction and delivery of a wide range of petroleum fuel with aromatic content up to 50% for tank trucks.

Temperature -20℃ (-4℉) to +70℃ (+158℉)

Length 30m (100ft), 60m (200ft)

ID		O.D.	Service Pressure		Minimum Burst Pressure		Weight	
inch	mm	mm	bar	psi	bar	psi	lbs/ft	Kg/m
1 1/2"	38.1	52	10	150	30	450	0.92	1.36
2"	50.8	65	10	150	30	450	1.10	1.64
3"	76.2	92	10	150	30	450	1.86	2.77
4"	101.6	118	10	150	30	450	2.72	4.05
6"	152.4	171	10	150	30	450	5.21	7.75

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Flexible Chemical Composite Hose

Inner Wire Stainless Steel 316 L

External Wire Stainless Steel 316 L

Inner Lining PTFE

Application For delivery aspiration of a large variety of highly corrosive and compatible with PTFE and stainless steel such as phosphoric acid, Naphtha or Nitric acid in low concentration among others.

Cover PVC coated polyester cloth

ID	Bend Radius	Working Pressure		Weight
inch	mm	min. (bar)	max. (bar)	Kg/m
1	200	10	16	1.76
1-1/2"	230	10	16	1.90
2	290	10	16	2.19
2-1/2"	310	10	16	3.13
3	340	10	16	3.80
4	430	10	16	5.29
6	700	10	16	12.21
8	840	10	16	17.14
10	940	10	16	24.92

Steel Mesh HDPE Pipe

Material PE

Inner Color White, Black

Outer Color Black with Blue or red line

Reinforcement Steel Mesh

Length 6m, 9m, 12m, customization available

Application Water conveyance for buried or coal mine, Petroleum, Industrial pulp transportation, High pressure conveying system, etc.

ID	OD	Working Pressure	Burst Pressure	Wall Thickness	Adhesion Strength	Inner diameter unroundness
mm	mm	bar	bar	mm	N/mm	mm
110	110-111	20	≥60	6.5-8.5	≥15	≤1.6
		40	≥120	7.5-9.5		
160	160-161.5	20	≥60	8-10.5	≥15	≤2.4
		40	≥120	9.5-12		
200	200-201.8	12.5	≥37.5	8.5-11	≥15	≤3.0
		40	≥120	10-12.5		
250	250-252.3	12.5	≥37.5	11-14	≥15	≤3.7
		40	≥120	12.5-16.5		
315	315-317.7	12.5	≥37.5	12-14.5	≥15	≤4.7
		40	≥120	14.5-17		

* All technical parameters listed herein are for reference only and subject to change without notice. For details please confirm with Zyfire.

AGRICULTURAL HOSE

Drag Hose

Through-the-weave TPU Hose

Lining and Cover TPU, Ribbed cover or smooth cover

Reinforcement Jacket High tenacity synthetic jacket.

Application Irrigation, Sludge discharge, Liquid fertilizers discharge, Supply or Drag hose.

Standard Length 30m (100ft), 61m (200ft), 91.5m (300ft), 100m (330ft), 200m (660ft), 300m (990ft), 400m (1320ft).

Color

ZYfire's DragPlus is our 3rd Generation Dragline Hose Designed and Manufactured for Excellent Performance and Service Life in Tough Operating Conditions.

* High Tensile Polyester Continuous Weave Jacket
* Through-the-Weave Extruded Construction Encapsulating the Woven Jacket
* TPU Thermoplastic Resin for Highest Abrasion Resistance in a Wide Range of Field Conditions
* Optimized Design for Low/No Kink in Tight Turn Situations
* Temperature Range: -40° F to 160° F
* 5 1/2", 6" and 7" Diameters are Available in 660' and 1320' Lengths

ID		Tolerance	Wall Thickness		Service Pressure	Minimum Burst Pressure	Weight		Tensile Strength	
inch	mm	mm	inch	mm	bar/psi	bar/psi	Kg/m	lbs/ft	kgs	lbs
4"	102	+2.50	0.16	4.00	10/150	30/450	1.50	1.01	15500	34200
4"	102	+2.50	0.16	4.20	13/200	39/600	1.60	1.07	16500	36500
5"	127	+3.00	0.17	4.30	10/150	30/450	2.00	1.34	19500	43000
5-1/2"	140	+3.00	0.17	4.30	10/150	30/450	2.40	1.61	21000	47500
6"	154	+3.00	0.18	4.50	10/150	30/450	2.80	1.88	25000	55500
7"	178	+3.00	0.18	4.50	10/150	30/450	3.20	2.14	31000	68000

* All technical parameters listed herein are for reference only and subject to change without notice. For details please confirm with Zyfire.

Irrigator

Through-the-weave NBR Hose

Lining and Cover Nitrile Rubber, Ribbed cover or smooth cover.

Reinforcement Jacket High tenacity synthetic jacket.

Application Irrigation, Sludge discharge, liquid fertilizers.

Standard Length 30m (100ft), 61m (200ft), 91.5m (300ft), 100m (330ft), 200m (660ft), 300m (990ft).

Color

ID		Tolerance	Wall Thickness		Service Pressure	Minimum Burst Pressure	Weight		Tensile Strength	
inch	mm	mm	inch	mm	bar/psi	bar/psi	lbs/ft	Kg/m	kgs	lbs
3/4"	20.0	+1.6	0.09	2.3	33/500	100/1500	0.14	0.21	1900	4200
1"	25.4	+1.6	0.10	2.5	33/500	100/1500	0.18	0.28	2300	5100
1 1/2"	38.0	+1.6	0.09	2.5	18/300	55/800	0.20	0.30	2900	6400
2"	51.0	+2.0	0.09	2.6	15/220	45/650	0.25	0.60	3800	8350
2 1/2"	65.0	+2.0	0.09	2.6	15/220	45/650	0.35	0.53	4200	9200
3"	76.0	+2.0	0.12	3.2	13/200	39/600	0.64	0.95	8100	17800
4"	102.0	+2.5	0.13	3.5	13/200	39/600	0.90	1.35	10200	22450
5"	127.0	+3.0	0.13	3.5	13/200	39/600	1.14	1.70	12200	26850
6"	152.0	+3.0	0.12	3.6	13/200	39/600	1.86	2.70	16100	35400
8"	204.0	+3.0	0.17	4.0	13/200	39/600	2.48	3.70	37000	81500
10"	254.0	+4.0	0.17	4.2	10/150	30/450	3.02	4.5	45400	100000
12"	305.0	+4.0	0.18	4.4	10/150	30/450	3.75	5.6	56300	124000

* All technical parameters listed herein are for reference only and subject to change without notice. For details please confirm with Zyfire.

TPR Layflat Hose

TPR Layflat Hose

Lining and Cover TPR tube.
Reinforcement Braided polyester Jacket.
Application Economic water discharge.
Standard Length 15m (50ft), 20m (66ft), 30m (100ft), 60m (197ft), 100m (330ft).
Color

ID		Service Pressure	Minimum Burst Pressure
inch	mm	bar	bar
1″	25	2, 3, 4 ,6, 9	5, 7.5, 10, 15, 22.5
1 1/2″	38	2, 3, 4 ,6, 9	5, 7.5, 10, 15, 22.5
2″	50	2, 3, 4 ,6, 9	5, 7.5, 10, 15, 22.5
2 1/2″	65	2, 3, 4 ,6, 9	5, 7.5, 10, 15, 22.5
3″	75	2, 3, 4 ,6, 9	5, 7.5, 10, 15, 22.5
4″	102	2, 3, 4 ,6, 9	5, 7.5, 10, 15, 22.5
5″	127	2, 3, 4 ,6, 9	5, 7.5, 10, 15, 22.5
6″	152	2, 3, 4 ,6, 9	5, 7.5, 10, 15, 22.5
8″	204	2, 3, 4 ,6, 9	5, 7.5, 10, 15, 22.5

Econo- Forestry

TPU Lined Hose

Jacket 100% virgin high tenacity spun polyester Jacket, Single Jacket, circular woven plain weave.
Lining TPU tube.
Application Back up fire hose for forestry workers, small forestry fire fighting, garden watering.
Standard Length 15m (50ft), 30m (100ft).
Color

ID		Service Pressure		Minimum Burst Pressure	
inch	mm	psi	bar	psi	bar
5/8″	16	200	14	600	42
3/4″	19	200	14	600	42

* All technical parameters listed herein are for reference only and subject to change without notice. For details please confirm with Zyfire.

Aquatran

TPU Lined Hose NSF

Jacket 100% virgin high tenacity polyester Jacket, Double Jacket, circular woven twill weave or plain weave.
Lining TPU tube, raw materials approved by NSF.
Application Potable Water Transfer.
Standard Length 15m (50ft), 30m (100ft).
Color

ID		Service Pressure	Minimum Burst Pressure
inch	mm	psi/bar	psi/bar
2″	50	250/17, 300/21, 400/28	750/51, 900/63, 1200/84
2 1/2″	65	250/17, 300/21, 400/28	750/51, 900/63, 1200/84
3″	75	250/17, 300/21, 400/28	750/51, 900/63, 1200/84
4″	102	250/17, 300/21	750/51, 900/63
5″	127	250/17, 300/21	750/51, 900/63
6″	152	250/17, 300/21	750/51, 900/63

Aquatran Premium

TPU Covered Hose NSF

Lining and Cover TPU tube, smooth cover.
Reinforcement Jacket High tenacity synthetic jacket.
Application Potable water transfer.
Standard length 15m (50ft), 30m (100ft), 200m (660ft)
Color

ID		Service Pressure	Minimum Burst Pressure
inch	mm	Psi/bar	psi/bar
2″	50	250/17, 300/21	750/51, 900/63
2 1/2″	65	250/17, 300/21	750/51, 900/63
3″	75	220/15, 250/17	660/45, 750/51
4″	102	150/10, 200/14	450/30, 600/42
5″	127	150/10, 200/14	450/30, 600/42
6″	152	150/10, 200/14	450/30, 600/42

* All technical parameters listed herein are for reference only and subject to change without notice. For details please confirm with Zyfire.

MINING HOSE

Mining Dewatering Hose

Jacket	100% Polyester high tenacity yarn.
Lining	High quality EPDM, resistant to oil and fuel.
External Coating	Polyurethane coating improves abrasion resistance and reduces water absorption.
Standard Length	15m (50ft), 30m (100ft)
Features	High Abrasion Resistance, UV Resistance, Oil Resistance, High-low Temperature Resistance.
Color	

ID		Service Pressure		Minimum Burst Pressure	
inch	mm	psi	bar	psi	bar
2″	50	250	17	750	51
2 1/2″	65	250	17	750	51
3″	75	220	15	660	45
4″	102	220	15	660	45
5″	127	150	10	450	30
6″	152	150	10	450	30

* All technical parameters listed herein are for reference only and subject to change without notice. For details please confirm with Zyfire.

Borehose

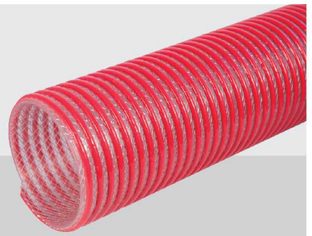
TPU Covered Hose

Lining and Cover	TPU tube, smooth cover with Blue Polypropylene Cable Ties/ Polyurethane Straps along the length.
Reinforcement Jacket	High tenacity synthetic jacket.
Application	Mine de-watering, domestic and municipal water supply, test pumping, rural and industrial bore water retrieval, similar ground water projects.
Standard Length	15m (50ft), 30m (100ft), 200m (660ft), 400m (1320ft)
Color	

ID		Burst Pressure	Tensile Strength	Weight	Max loading	Max Diametral Swell	Max Extension	Temperature Range	Water PH range	
inch	mm	bar	kgs	kg/m	kgs	%	%	C	Below 30℃	30℃ to 50℃
1 1/2″	40	52	3000	0.3	1080					
2″	51	58	4000	0.6	1600					
3″	76	58	8000	0.9	3600					
4″	102	52	15000	1.5	5000	15	1	-40 to +50	4 to 9	5 to 9
5″	127	50	18000	2.0	6800					
6″	152	44	24000	2.8	8000					
8″	200	42	30000	3.5	10800					

* All technical parameters listed herein are for reference only and subject to change without notice. For details please confirm with Zyfire.

Richflex 10



TPR Covered Hose

Construction TPR tube and sturdy clockwise TPR helix with high tensile strength polyester yarn reinforcement.

Temperature -15℃ to +55℃ （+5℉ to +130℉）.

Application HD fish suction and transfer, HD water suction and transfer, construction and trash pumps.

ID		O.D.		Weight		Max W.P.@68℉	Max W.P.@68℉	MBR*		Std.lgth
inch	mm	inch	mm	kg/m	lbs/ft	psi/bar	kpa	inch	mm	ft
1 1/2″	38.10	2.03	51.56	0.68	0.46	72.5/5.0	94.0	2.5	63.5	50
2″	50.50	2.56	65.00	1.28	0.86	72.5/5.0	94.0	5.0	127.0	50
2 1/2″	63.50	3.01	76.45	1.52	1.02	72.5/5.0	94.0	5.0	127.0	50
3″	76.20	3.70	93.98	1.85	1.24	58.0/4.0	94.0	6.0	152.4	50
4″	102.00	4.74	120.50	3.2	2.15	43.5/3.0	94.0	7.5	190.5	50
5″	127.00	5.77	146.50	4.00	2.69	43.5/3.0	94.0	9.0	228.6	50
6″	152.00	6.95	176.50	5.00	3.36	43.5/3.0	94.0	10.0	254.0	20
8″	203.00	9.13	232.00	8.50	5.71	43.5/3.0	94.0	16.5	419.1	20

* All technical parameters listed herein are for reference only and subject to change without notice. For details please confirm with Zyfire.

Richflex 20

TPR Covered Hose

Construction Smooth TPR tube with Rigid TPR helix. No polyester yarn reinforcement.

Temperature -15℃ to +55℃ （+5℉ to +130℉）

Application Heavy Duty Suction & Drainage, Viscous.

ID		O.D.		Weight		Max W.P.@68℉	Max W.P.@68℉	MBR*		Std.lgth
inch	mm	inch	mm	kg/m	lbs/ft	psi/bar	kpa	inch	mm	ft
1 1/2″	38.10	2.03	51.56	0.65	0.44	72.5/5.0	94.0	2.5	63.5	50
2″	50.50	2.56	65.00	1.25	0.84	72.5/5.0	94.0	5.0	127.0	50
2 1/2″	63.50	3.01	76.45	1.49	1.00	72.5/5.0	94.0	5.0	127.0	50
3″	76.20	3.70	93.98	1.80	1.21	58.0/4.0	94.0	6.0	152.4	50
4″	102.00	4.74	120.50	3.01	2.02	43.5/3.0	94.0	7.5	190.5	50
5″	127.00	5.77	146.50	3.90	2.62	43.5/3.0	94.0	9.0	228.6	50
6″	152.00	6.95	176.50	4.90	3.29	43.5/3.0	94.0	10.0	254.0	20
8″	203.00	9.13	232.00	8.3	5.58	43.5/3.0	94.0	16.5	419.1	20

* MBR = Minimum Bend Radius

Richflex 30

TPU Covered Hose

Construction TPU tube and sturdy clockwise TPU helix with high tensile strength polyester yarn reinforcement.

Temperature -30℃ to +65℃ （-22℉ to +149℉）

Application
- Abrasive material handling such as pellets, rocks, sands, chips, grains transfer.
- Sand shot line, bark blow line, lawn/mulch/straw collection.
- Industrial vacuum cleaning.

ID		O.D.		Weight		Max W.P.@68℉	Max W.P.@68℉	MBR*		Std.lgth
inch	mm	inch	mm	kg/m	lbs/ft	psi/bar	kpa	inch	mm	ft
1 1/2″	38.10	2.01	51.05	0.65	0.40	72.5/5.0	94.0	7	177.8	50
2″	50.50	2.56	65.02	1.01	0.68	72.5/5.0	94.0	11	279.4	50
2 1/2″	63.50	3.01	76.45	1.31	0.88	72.5/5.0	94.0	11	279.4	50
3″	76.20	3.71	94.23	1.49	1.00	58.0/4.0	94.0	15	381.0	50
4″	102.00	4.76	120.40	2.31	1.55	43.5/3.0	94.0	19	482.6	50
5″	127.00	5.75	146.05	2.37	1.82	43.5/3.0	94.0	23	584.2	50
6″	152.00	6.89	175.01	3.90	2.62	43.5/3.0	94.0	27	685.8	20
8″	203.00	9.21	233.93	6.61	4.44	43.5/3.0	94.0	31	787.4	20

* All technical parameters listed herein are for reference only and subject to change without notice. For details please confirm with Zyfire.

FRACTURING & OILFIELD HOSE

Fracflo Hose

Through-the-weave TPU Hose for Frac water

Lining and Cover	TPU tube, Ribbed cover or smooth cover.
Reinforcement Jacket	High tenacity synthetic jacket.
Application	Water transfer Fracturing.
Available length	100m (330ft), 200m (660ft), 300m (990ft), 400m (1320ft).
Abrasion	4000 DIN cycles
Temperature range	-50℃ to 70℃ (-58℉ to +158℉)
Color	

Hose can have glow line on special requests!
The reinforcement is made from circular woven filament polyester yarn. The "extrusion through-the-weave" production method gives a very strong bonding between cover and lining as well as firmly encapsulating the woven polyester.
The hose has high resistance against commonly used chemicals and has excellent resistance to UV radiation, hydrolysis and fungus degradation. The abrasion resistance of the TPU is one of the highest available, making the hose ideal for use in the extremely abrasive environment in open pit mines.
The outer cover has been designed with extra thickness in order to add wear & tear material. This extends the useful lifespan of the hose.
Extra abrasion resistance for rugged terrain and extreme conditions. Resistant to oil and chemicals. UV Stabilized.

ID		Tolerance	Wall Thickness		Service Pressure	Minimum Burst Pressure	Elongation At Wp	Expansion At Wp	Temperature Range
inch	mm	mm	inch	mm	psi	psi	max	max	
2"	51	51.0-53.0	0.071±0.008	1.80±0.20	250	750	≤1	≤8	-50℃ to 70℃ -58℉ to +158℉
2"	51	51.0-53.0	0.138±0.008	3.50±0.20	410	1230	≤2	≤8	
3"	76	76.0-78.0	0.118±0.012	3.00±0.30	250	750	≤1	≤8	
3"	76	76.0-78.0	0.126±0.012	3.20±0.30	410	1230	≤1	≤8	
4"	102	102-104.5	0.110±0.012	2.80±0.30	200	600	≤1	≤8	
4"	102	102-104.5	0.138±0.012	3.50±0.30	250	750	≤1	≤8	
4"	102	102-104.5	0.142±0.012	3.60±0.30	300	900	≤1	≤8	
4"	102	102-104.5	0.189±0.016	4.80±0.40	610	1830	≤1	≤8	
5"	125	125-127.5	0.142±0.012	3.60±0.30	150	450	≤1	≤8	
6"	152	154-157	0.126±0.012	3.20±0.30	150	450	≤1	≤8	
6"	152	154-157	0.149±0.012	3.80±0.30	250	750	≤1	≤8	
6"	152	154-157	0.165±0.012	4.20±0.30	300	900	≤2	≤8	
6"	152	154-157	0.228±0.016	5.80±0.40	410	1230	≤2	≤8	
6"	152	154-157	0.216±0.016	5.50±0.40	610	1830	≤2	≤8	
8"	204	204-207	0.149±0.012	3.80±0.30	200	600	≤1	≤10	
8"	204	204-207	0.157±0.016	4.00±0.40	250	750	≤1	≤10	
8"	204	204-207	0.165±0.016	4.20±0.40	300	900	≤1	≤10	
8"	204	204-207	0.165±0.016	4.20±0.40	410	1230	≤1	≤10	
10"	254	256-259	0.165±0.016	4.20±0.40	200	600	≤1	≤10	
10"	254	256-259	0.177±0.016	4.50±0.40	250	750	≤1	≤10	
10"	254	256-259	0.197±0.016	5.00±0.40	300	900	≤2	≤8	
12"	306	306-311	0.165±0.016	4.20±0.40	150	450	≤1	≤8	
12"	306	306-311	0.197±0.016	5.00±0.40	200	600	≤2	≤8	
14"	356	356-360	0.189±0.016	4.80±0.40	150	450	≤1	≤8	
16"	406	406-410	0.197±0.020	5.00±0.50	100	300	≤1	≤10	
16"	406	406-410	0.212±0.020	5.40±0.50	150	450	≤1	≤10	

* All technical parameters listed herein are for reference only and subject to change without notice. For details please confirm with Zyfire.

Fracflo Hose Plus

Through-the-weave TPU Produced Water Hose

Cover	TPU (Extrusion through-the-weave).
Reinforcement Jacket	100% high tenacity Polyester Filament.
Temperature range	-50℃ to 70℃ (-58℉ to +158℉)
Available length	100m (330ft), 200m (660ft), 300m (990ft), 400m (1320ft)
Coupling	LDHC
Color	

Hose Technical Specification

ID	Wall Thickness	Service Pressure	Minimum Burst Pressure
inch	Approx. inch	psi	psi
4"	0.138	≥250	≥750
6"	0.150	≥250	≥750
8"	0.177	≥300	≥900
10"	0.197	≥300	≥900
12"	0.228	≥200	≥600
14"	0.205	≥150	≥450
16"	0.205	≥150	≥450

* All technical parameters listed herein are for reference only and subject to change without notice. For details please confirm with Zyfire.

Fracflo Hose MAX

Through-the-weave TPU Produced Water Hose

Cover	TPU (Extrusion through-the-weave).
Reinforcement Jacket	100% high tenacity Polyester Filament.
Temperature range	-50℃ to 70℃ （-58℉ to +158℉）
Available length	100m (330ft), 200m (660ft), 300m (990ft), 400m (1320ft)
Coupling	LDHC
Color	

Hose Technical Specification

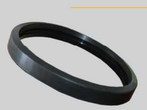
ID		Tolerance	Wall Thickness	Working pressure	Burst pressure	Weight	Elongation At WP%	Expansion At WP%	Temperature Range
inch	mm	mm	mm	PSI/bar	PSI/bar	lbs/ft	max	max	℃
12″	306	306-311	4.5±0.4	225/15	675/45	3.7±0.3	≤3	≤10	-50~+80

Note：Regular tensile Strength is 55 tons, Fracflo Hose MAX is 66 tons,which is 20% higher.

Nipple And Clamp

Nipple
316 Stainless Steel

Clamp
Ductile Iron



Gasket
Viton Rubber

Nipple Chemical Test

Test Item	Concentration %	Temperature Approx ℃	Endurance
Nitric Acid	10	24	≥1 year
Phosphoric Acid	<5	<100	≥1 year
Calcium Chloride	10	24	≥1 year
Ammonium Hydroxide	30	24	≥1 year
Sodium Carbonate	10	100	≥1 year
Lead Sulfate	30	24	≥1 year
Ammonium Phosphate	any	24	≥1 year
Ammonium Sulfate	any	24	≥1 year

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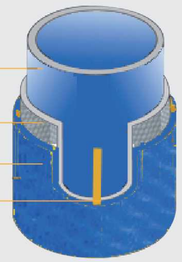
Petroflo Hose

Through-the-weave Copper Wire TPU Hose

cover	TPU covered hose, extremely abrasion resistant, embedded with copper wires witch conduct static electricity.
Reinforcement	100% virgin high tenacity polyester Jacket.
Application	Fuels transfer, flammable liquids transmission, Temporary Crude Oil Transmission.
Standard length	100m (330ft), 200m (660ft), 300m (990ft), 400m (1320ft)
Color	



ID		Service Pressure	Minimum Burst Pressure	Electrical Resistance
inch	mm	psi/bar	psi/bar	Ω
4″	102	300/21, 450/30, 720/50	900/63, 1350/90, 2160/150	4R, <2Ω / m
6″	152	300/21, 450/30, 720/50	900/63, 1350/90, 2160/150	4R, <2Ω / m
8″	204	250/17, 300/21, 720/50	750/51, 900/63, 2160/150	4R, <4Ω / m
10″	250	250/17, 300/21, 720/50	750/51, 900/63, 2160/150	4R, <4Ω / m
12″	300	250/17, 300/21, 720/50	750/51, 900/63, 2160/150	6R, <4Ω / m

* All technical parameters listed herein are for reference only and subject to change without notice. For details please confirm with Zyfire.

Fracflo Glowing Strip Hose

Through-the-weave TPU Frac Water Hose

Lining and Cover	TPU tube, Ribbed cover or smooth cover.
Reinforcement Jacket	High tenacity synthetic jacket.
Application	Irrigation, Pumping of sludge, liquid fertilizers, supply drag.
Temperature range	-50℃ to 70℃ (-58℉ to +158℉)
Color	

Hose with glow strip can be seen easily in the dark to avoid damaging at night.
The hose has high resistance against commonly used chemicals and has excellent resistance to UV radiation, hydrolysis and fungus degradation.

ID		Tolerance	Wall Thickness		Service Pressure	Minimum Burst Pressure	Elongation At Wp	Expansion At Wp	Temperature Range
inch	mm	mm	inch	mm	psi	psi	max	max	
2"	51	51.0-53.0	0.071±0.008	1.80±0.20	250	750	≤1	≤8	-50℃ to 70℃ -58℉ to +158℉
2"	51	51.0-53.0	0.138±0.008	3.50±0.20	410	1230	≤2	≤8	
3"	76	76.0-78.0	0.118±0.012	3.00±0.30	250	750	≤1	≤8	
3"	76	76.0-78.0	0.126±0.012	3.20±0.30	410	1230	≤1	≤8	
4"	102	102-104.5	0.110±0.012	2.80±0.30	200	600	≤1	≤8	
4"	102	102-104.5	0.138±0.012	3.50±0.30	250	750	≤1	≤8	
4"	102	102-104.5	0.142±0.012	3.60±0.30	300	900	≤1	≤8	
4"	102	102-104.5	0.189±0.016	4.80±0.40	610	1830	≤1	≤8	
5"	125	125-127.5	0.142±0.012	3.60±0.30	150	450	≤1	≤8	
6"	152	154-157	0.126±0.012	3.20±0.30	150	450	≤1	≤8	
6"	152	154-157	0.149±0.012	3.80±0.30	250	750	≤1	≤8	
6"	152	154-157	0.165±0.012	4.20±0.30	300	900	≤2	≤8	
6"	152	154-157	0.228±0.016	5.80±0.40	410	1230	≤2	≤8	
6"	152	154-157	0.216±0.016	5.50±0.40	610	1830	≤2	≤8	
8"	204	204-207	0.149±0.012	3.80±0.30	200	600	≤1	≤10	
8"	204	204-207	0.157±0.016	4.00±0.40	250	750	≤1	≤10	
8"	204	204-207	0.165±0.016	4.20±0.40	300	900	≤1	≤10	
8"	204	204-207	0.165±0.016	4.20±0.40	410	1230	≤1	≤10	
10"	254	256-259	0.165±0.016	4.20±0.40	200	600	≤1	≤10	
10"	254	256-259	0.177±0.016	4.50±0.40	250	750	≤1	≤10	
10"	254	256-259	0.197±0.016	5.00±0.40	300	900	≤2	≤8	
12"	306	306-311	0.165±0.016	4.20±0.40	150	450	≤1	≤8	
12"	306	306-311	0.197±0.016	5.00±0.40	200	600	≤2	≤8	
14"	356	356-360	0.189±0.016	4.80±0.40	150	450	≤1	≤8	
16"	406	406-410	0.197±0.020	5.00±0.50	100	300	≤1	≤10	
16"	406	406-410	0.212±0.020	5.40±0.50	150	450	≤1	≤10	

* All technical parameters listed herein are for reference only and subject to change without notice. For details please confirm with Zyfire.

Oneflex Premium

Through-the-weave NBR Frac Water Hose

Lining Properties

- Ultimate Tensile Strength: Tensile strength of the lining and cover shall not be less than 1500psi (10500kpa).
- Ultimate Elongation: 400% minimum.
- Accelerated Aging Test.

Lining and Cover	Nitrile/TPR Blend tube, ribbed cover for maximum abrasion resistance. Thick wall.
Reinforcement	100% virgin high tenacity polyester Jacket.
Application	Water discharge, Transfers, Drainage, Irrigation installations, Pumping of sludge and liquid fertilizers, Chemical industry, Refineries, Air pressure Premium Solution. Standard length: 100m (330ft), 200m (660ft).
Temperature	-30℃ to +80℃ (-22℉ to 176℉)
Color	

The tensile strength and ultimate elongation of the vulcanized rubber compound which has been subjected to oxygen at a pressure of 300psi +/-10psi, (2100kpa+/-70kpa) and temperature of 70 degrees centigrade +/- 1 degree centigrade (158 F +/- 18F) for a period of 96 hours shall be greater than 60% of the original properties stated.

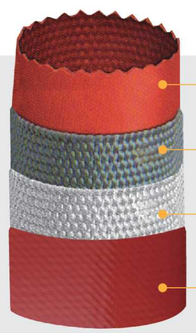
ID		Tolerance	Wall Thickness		Service Pressure	Minimum Burst Pressure	Elongation At Wp	Expansion At Wp	Temperature Range
inch	mm	mm	inch	mm	psi	psi	max	max	
3"	76	76-78	0.118±0.008	3.00±0.20	200	600	≤5	≤5	-30℃ to 80℃ -22℉ to 176℉
4"	102	102-104	0.126±0.012	3.20±0.30	200	600	≤5	≤5	
6"	152	154-157	0.126±0.012	3.20±0.30	200	600	≤5	≤5	
6"	152	154-157	0.138±0.012	3.50±0.30	250	750	≤5	≤5	
6"	152	154-157	0.165±0.012	4.20±0.30	300	900	≤5	≤5	
8"	204	204-207	0.157±0.012	4.00±0.30	200	600	≤5	≤5	
8"	204	204-207	0.165±0.012	4.20±0.30	300	900	≤5	≤5	
8"	204	204-207	0.197±0.012	5.00±0.30	400	1200	≤5	≤5	
10"	254	254-257	0.173±0.016	4.40±0.40	200	600	≤5	≤5	
10"	254	254-257	0.177±0.016	4.50±0.40	300	900	≤5	≤5	
12"	306	306-311	0.157±0.016	4.00±0.40	150	450	≤5	≤5	
12"	306	306-311	0.177±0.016	4.50±0.40	200	600	≤5	≤5	
14"	356	356-360	0.189±0.016	4.80±0.40	150	450	≤5	≤5	
16"	400	406-411	0.181±0.016	4.60±0.40	100	300	≤5	≤5	

* All technical parameters listed herein are for reference only and subject to change without notice. For details please confirm with Zyfire.

Fuelflex Hose

Through-the-weave TPU covered and NBR lined hose

Lining and Cover	NBR tube, Through-the-weave polyurethane cover.
Reinforcement Jacket	High tenacity synthetic jacket.
Application	Natural gas transportation system.
Advantages	High pressure lay flat fuel hose, UV Stabilized, Advanced anti-static.
Temperature range	-40℃ to 70℃ (-40℉ to 160℉)
Available length	100m (330ft), 200m (660ft).
Color	



1st layer
A perfectly smooth inner nitrile rubber layer.

2nd layer
A high-tenacity polyester inner layer with great flexibility and strength.

3rd layer
External fabric protects the 2nd layer.

4th layer
Outer layer of TPU cover.

ID		Service Pressure		Minimum Burst Pressure		Tensile Strength	
inch	mm	bar	psi	bar	psi	kgs	lbs
2″	51	100	1450	210	3045	12000	26000
2 1/2″	63.5	100	1450	210	3045	18000	39000
3″	76	100	1450	210	3045	29000	63500
4″	102	75	1088	160	2320	37000	80000
6″	153	75	1088	155	2248	60000	130000
8″	204	75	1088	155	2248	90000	195000

* All technical parameters listed herein are for reference only and subject to change without notice. For details please confirm with Zyfire.

RTP Pipe

Lining	PESO, PE100, PERT, PE-X, UHMWPE, PVDF, etc.
Reinforcement	Steel wire rope (or steel strip), aramid fiber, fiberglass, polyester industrial filament, etc. The pipes shall have two or more reinforcing layers, depending on PN class of pipes.
Cover	Normally HDPE with anti-aging additives and UV stabilizer.
Application	

- Oil and natural gas industry
  High pressure water injection, oil and gas gathering and transportation, natural gas transmission and distribution, transmission of chemical agent and produced liquid in tertiary oil recovery.
- Mining and coalmine
  Transmission of coalbed methane, firefighting water transmission, nitrogen injection and slurry transportation.
- Chemical industry
  Transmission of special fluids.
- Offshore engineering
  Water supply and drainage, special fluid transmission.
- Other applications
  Potable water suppl y, hot spring water transportation, irrigation and transportation of nuclear waste water, slurry and coal ash.

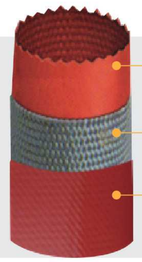
Nominal Diameter and Pressure	Water	Oil	Gas	Inside Diameter	Outside Diameter	Pipe Weight	Maximum Operating Temperature	Maximum Bend Radius	Pipe Length Per Reel	Outside Diameter of Pipe Fitting	Inside Diameter of Pipe Fitting
inch	psi	psi	psi	mm	mm	kg/m	℃	m	m	mm	mm
2"	1500	1200	1000	50	76	2.56	65	0.6	900	88	41
2"	2300	1800	1450	50	80	3.02	65	0.6	900	88	41
2"	3500	2800	2200	50	82	3.31	65	0.6	900	91	41
3"	750	600	500	75	101	3.75	65	0.9	700	112	66
3"	1500	1200	1000	75	104	4.04	65	0.9	700	115	66
3"	2600	2000	1650	75	109	5.19	65	0.9	700	115	66
4"	750	600	500	90	118	4.63	65	0.95	400	132	78
4"	1500	1200	1000	90	124	5.43	65	0.95	400	139	78
4"	2300	1800	1450	90	129	7.66	65	0.95	400	139	78
6"	1500	1500	1000	140	185	11.3	65	1.5	400	202	130

* All technical parameters listed herein are for reference only and subject to change without notice. For details please confirm with Zyfire.

TRENCHLESS

No-Dig Pipe Rehabilitation

Water solution Liner 100



Inner
Modified TPU layer

High Tenacity Fabric Reinforcement Layer

Outer
Abrasion-resistant PE layer

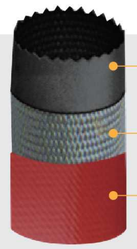
Raw Materials

High tenacity fabric reinforcement layer,
Abrasion resistant PE cover,
TPU tube (NSF61 certified, potable water safety approved by NHFPC of China)

Description	Parameter
Host Pipes ID:	50mm - 800mm (2" - 32")
Max. Operation Pressure:	1.0 - 4.0 Mpa/145 psi - 580 psi
Max. Burst Pressure:	3.0 - 12.0 Mpa/435 psi - 1740 psi
Max. Length of Installation:	≥3000m (9900ft)
Wall Thickness:	4mm - 8mm

Description	Parameter
Abrasion Resistance (DIN 53516)	10.5mm3
Temperature of Media:	Up to 50℃ (122℉)
Installation Mode:	Fold in U-shape
Pulling Speed:	Up to 400m/h
Service Life Duration:	20 years

Oil Solution Liner 200



Inner
Modified PVDF layer

High Tenacity Fabric Reinforcement Layer

Outer
Abrasion-resistant PE layer

Raw Materials

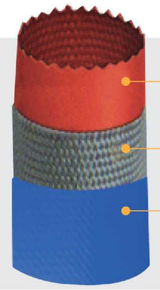
High tenacity fabric reinforcement layer,
Abrasion resistant PE/PVDF cover,
Modified TPU tube.

Description	Parameter
Host Pipes ID:	50mm - 800mm (2" - 32")
Max. Operation Pressure:	1.0 - 4.0 Mpa/145 psi - 580 psi
Max. Burst Pressure:	3.0 - 12.0 Mpa/435 psi - 1740 psi
Max. Length of Installation:	≥3000m (9900ft)
Wall Thickness:	4mm - 8mm

Description	Parameter
Abrasion Resistance (DIN 53516)	10.5mm3
Temperature of Media:	PVDF:-40℃(-40℉)- 120℃(248℉)
Installation Mode:	Fold in U-shape
Pulling Speed:	Up to 400m/h
Service Life Duration:	20 years

* All technical parameters listed herein are for reference only and subject to change without notice. For details please confirm with Zyfire.

Gas Solution Liner 300



Inner
Modified TPU layer

High Tenacity Fabric Reinforcement Layer

Outer
Abrasion-resistant PE layer

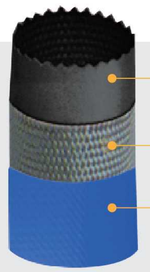
Raw Materials

High tenacity fabric reinforcement layer,
Abrasion resistant PE cover,
Modified TPU tube.

Description	Parameter
Host Pipes ID:	50mm - 800mm (2" - 32")
Max. Operation Pressure:	1.0 - 4.0 Mpa/145 psi - 580 psi
Max. Bursting Pressure:	3.0 - 12.0 Mpa/435 psi - 1740 psi
Max. Length of Installation:	≥3000m (9900ft)
Wall Thickness:	4mm - 8mm

Description	Parameter
Abrasion Resistance (DIN 53516)	10.5mm3
Temperature of Media:	-40℃ (-40℉) - 70℃ (158℉)
Installation Mode:	Fold in U-shape
Pulling Speed:	Up to 400m/h
Service Life Duration:	20 years

Hot Water Solution Liner 400



Inner
Heat Resistant PUX

High Tenacity Fabric Reinforcement Layer

Outer
Heat Resistant PUX

Raw Materials

High tenacity fabric reinforcement layer,
Abrasion resistant,
Heat resistant PEX/TPE cover,
Heat resistant PEX/TPE tube.

Description	Parameter
Host Pipes ID:	50mm - 800mm (2" - 32")
Max. Operation Pressure:	1.0 - 4.0 Mpa/145 psi - 580 psi
Max. Burst Pressure:	3.0 - 12.0 Mpa/435 psi - 1740 psi
Max. Length of Installation:	≥3000m (9900ft)
Wall Thickness:	4mm - 8mm

Description	Parameter
Abrasion Resistance (DIN 53516)	10.5mm3
Temperature of Media:	Up to 120℃ (248℉)
Installation Mode:	Fold in U-shape
Pulling Speed:	Up to 400m/h
Service Life Duration:	20 years

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Couplings

Storz Couplings

Material	Aluminum/Brass
Size	1”/1.5”/1.75”/2”/2.5”/3”/4”/6”

Threaded (America) Couplings

Thread	NST/NPSH/NPT/IPT/NH
Material	Aluminum/Brass
Size	1”/1.5”/2”/2.5”/3”/4”

John Morris Couplings BS Instantaneous Couplings

Material	Aluminum/Brass
Size	1.5”x1.5”/1.5”x2.5”/1.75”x2.5”/2”x2.5”/2.5”x2.5”

Forestry Couplings

Material	Aluminum/Brass
Size	1”x1.5”/1.5”

Italian Couplings

Style	Heavy/Light
Material	Brass/Aluminum
Size	45mm/70mm

Machino Couplings

Material	Aluminum/Brass
Size	1.5”/2”/2.5”

Bauer Couplings

Material	Aluminum/Brass
Size	1”/1.5”/2”/2.5”/3”/4”/6”/8”/10”

Guillemin / DSP Couplings

Material	Aluminum/Brass
Size	45/65/70/100

Gost Couplings

Material	Aluminum/Brass
Size	2”/2.5”

Spanish Couplings

Material	Aluminum/Brass
Size	1-3/4" / 2-3/4"

Camlock Couplings

Material	Aluminum / Stainless Steel / Brass / PP / Nylon
Size	1/2" / 3/4" / 1" / 1-1/4" / 1-1/2" / 2" / 2-1/2" / 3" / 4" / 5" / 6" / 8"

Storz Fittings

Material	Aluminum/Brass
Size	1”/1.5”/2”/2.5”/3”/4”

LDHC

Material Forged Aluminum, SS316, Nylon+Fiberglass

Size 4”/6”/8”/10”/12”/14”/16”

Sexless Couplings

Material Forged Aluminum

Size 4”/5”/5.5”/6”/8”/10”

Multiple Lug Couplings

Material Forged Aluminum

Size 8”/10”/12”/14”/16”

Storz Self-locked Couplings

Material Forged Aluminum

Size 4”/5”/6”/8”/10”/12”/14”/16”

Binding/Crimping/Clamping Options

Wire Binded Way

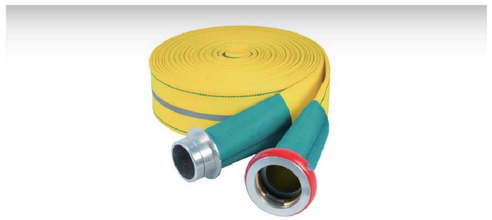
Internal Expanding Solution

Aluminum Ring Clamp Bined

Aluminum Sleeve Crimped

Sleeve Selection

White Weave Jacket Sleeve



Color Weave Jacket Sleeve

EPDM Sleeve

Rubber Sleeve

Branch Pipe Options

ZYB01

ZYB02

ZYB03

ZYB04

ZYB05

ZYB06

ZYB07

ZYB08

ZYB09

ZYB10

ZYB11

ZYB12

ZYB13

ZYB14

ZYB15

ZYB16

ZYB17

ZYB18

ZYB19

ZYB20

ZYN01

ZYN02

ZYN03

ZYN04

Nozzle And Valve

ZYN07

ZYN05

ZYN09

ZYN10

ZYN11

ZYN12

ZYN13

ZYN14

ZYN15

ZYN16

ZYN17

ZYN18

ZYL001

ZYL002

ZYL003

ZYL004

ZYL005

ZYL006

ZYL007

ZYL008

ZYL009

Water Dividers

ZYD001

ZYD002

ZYD003

ZYD004

ZYD005

ZYD006

ZYD007

ZYD008

ZYD009

ZYD010

ZYD011

ZYD012

Test Process

Measuring Reel (Model Yg086)
To Measure The Linear Density Of The Yarn And Filament Yarn.

Mooney And Viscometer
To test the mooney viscosity and Scorch time of the mixing rubber.

Moving Die Rheometer
To test the vulcanization curve of mixing rubber.

Tensile Machine
To test the tearing strength of yarn, filament yarn and lining tube, and to test the peeling strength of hoses.

Taber Wear And Abrasion Tester
To test the property of abrasion resistance for the hoses.

Aging Oven
To do aging test in high temperature. Highest Temperature 200°C

High-low Temperature Test Box
To do test both in high and low temperature. Highest Temperature 150°C,Lowest Temperature-70°C.

Ozone Aging Test Machine
To simulate atmospheric environment, temperature, humidity, ozone, etc.

Rubber Fatigue Crack Machine
To test the fatigue, crack of the rubber.

Abrasion Test Machine
To test the property of abrasion resistance for the hoses for GB.

Vulcanization Machine
To vulcanize the rubber.

Burst Test Machine
To test the burst pressure of the hoses.