ZYfire Hose Corporation

ZYfire

Hose Solutions

R&D Production Sale

ZYfire Hose Corporation

Tel: +86 523 8880 2123 **Fax:** +86 18761071929

Web: www.zyfire.com **E-mail:** enquiry@zyfire.com

Add: NO.88, Kaiyang Road, Jiangyan, Taizhou, Jiangsu, China 225500

Anhui United Pipeline Co.,LTD.

Tel: +86 523 8810 0869 / +86 15905267586

Web: www.unitedpipe.cn **E-mail:** gushengrui@zyfire.com

Add: No.36, Taoyuan Road, Chahe Area,Lai'ancounty, chuzhou,

ZYfire USA Corporation

Tel: +86 13469337382

Web: www.zyfire.com / www.richhose.com

E-mail: enquiry@zyfire.com

Add: 330 W Sycamore street, Fresno, TX 77545, USA

ZYfire Pipes Manufacturing ltd

Tel: +971 56 918 6983

Web: www.zyfire.com **E-mail:** enquiry@zyfire.com

Add: Manufacturing Unit 1, Plot No KHIA7-74, Taweelah, Abu Dhabi, UAE

ZYfire Industrial Company

Tel: +86 523 8880 2123 / +966 55 345 4235 / +86 18761071929 +86 18761071939 / +86 13814488863

Web: www.zyfireuae.com **E-mail:** enquiry@zyfire.com

Add: 95 st 2nd industrial city, al khobar, dammam, Saudi Arabia.

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R&D

ZYfire Hose Corporation, founded in 2000, is a public listed company on the Beijing stock exchange, national "little giant" enterprise, national green factory, national intellectual property advantage enterprise, national high-tech enterprises, home of the national model worker, top 500 China petroleum and chemical enterprises in 2023 and top 50 service quality in Jiangsu government procurement fire control equipment industry ,etc.

Production

The laboratory of ZYfire has passed the professional accreditation of the China National Accreditation Service for Conformity Assessment (CNAS) and has nationally and internationally recognized testing capabilities, which is the first national recognized lab in the subdivision industry.

Sale

The company focuses on the research and development, manufacturing and sales of fire hose and composite pipelines made of polymer materials like polyurethane, rubber-plastic alloy etc. The products are widely used in oil and gas exploitation, emergency rescue, mineral development, slurry transportation, agricultural water conservancy, Marine engineering and other fields. Hoses and pipes are exported to more than 70 countries and regions such as Europe, The United States and the Middle East. At present, the company is implementing the global strategy layout, the global production base, research and development centers and logistics warehouses are located in the United States, Saudi Arabia, the United Arab Emirates, China (Nanjing Jiangsu, Taizhou Jiangsu, Chuzhou Anhui) and other countries and regions.

Qualifications

Over the years, the company has been deeply engaged in the international market and cooperated closely with internationally renowned enterprises. Company has passed the ISO9001, ISO14001, ISO45001, ISO10012, ISO50001, GB / T29490 national intellectual property management system, GB / T23001 national two integration management system, China fire products, safety production standardization secondary certification, measurement guarantee confirmation certification; and the hoses are approved by UL & ULC, API, NSF61, FM, NFPA, MSHA, EU GL/MED, EN14540, EN694, DIN14811, BS6391,CCC, China classification society CCS etc.

In the company's development process, it has always regarded scientific and technological innovation as one of the core strategies of corporate development, taking it as its own responsibility to constantly surpass new peaks in pipeline technology, and is committed to the research, development and industrialization of new special pipeline technology.

ZYfire

Locations

6

Oversea Business Center

USA / KSA / UAE / Russia / Canada / Australia

4

Global Production Bases

Taizhou Jiangsu / Chuzhou Anhui / KSA / UAE

2

R&D Center

Nanjing Jiangsu / Chengdu Sichuan





Anhui china



Houston USA

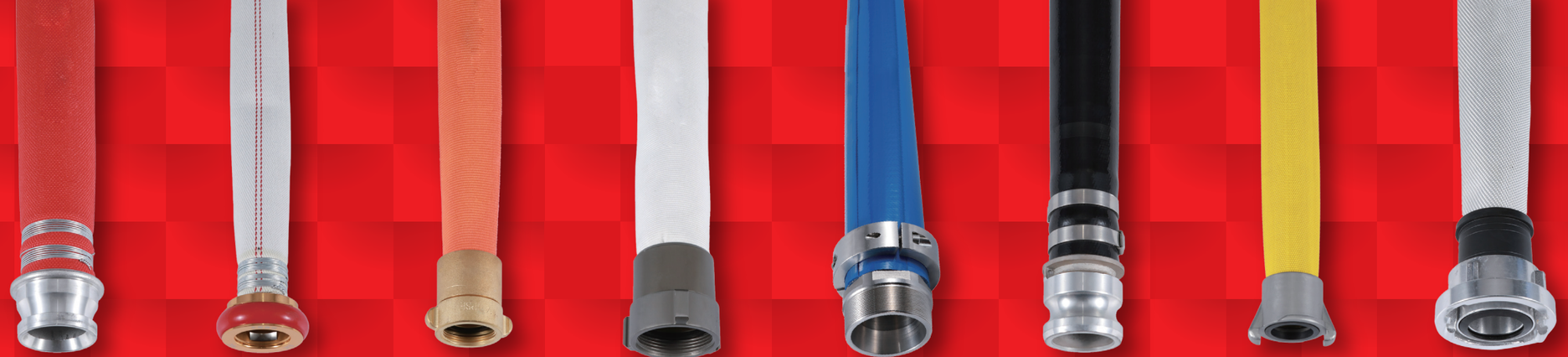


Abu Dhabi, UAE



Dammam KSA

ZYfire



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ZYfire To provide superior fluid transmission solutions for the world

Certificates

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













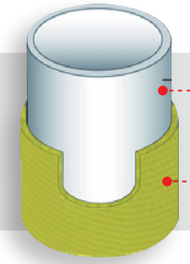








Hose Construction

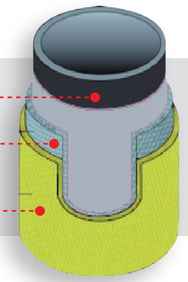


» Single Jacket Hose

Lining: EPDM, Natural rubber, TPR, PU Neoprene, Nitrile/TPR blend, etc.

Jacket: Polyester or Nylon.

» Double Jacket Hose

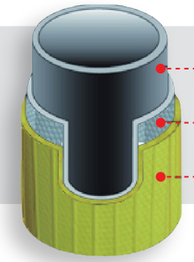


Lining: EPDM, Natural rubber, TPR, PU Neoprene, Nitrile/TPR blend, etc.

Inner Jacket: Polyester or Nylon.

Outer Jacket: Polyester or Nylon.

» Rubber/Plastic Covered Hose

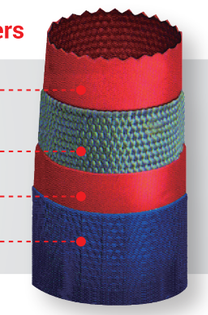


Tuber: EPDM, Natural rubber, TPR, PU Neoprene, Nitrile/TPR blend, etc.

Reinforcement Jacket: Polyester or Nylon.

Cover: EPDM, PU, TPR, Nitrile/TPR Blend etc.

» Total Four Layers



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.

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

FIRE FIGHTING

- Attack Hose 05
- Forestry Fire Hose 12
- Marine Fire Hose 13





BS6391 EN14540 EN694 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	Polyurethanes (TPU) tube.
Application	Rack Hose. Cabinet Hose. Premium Solution.
Standard Length	15m (50ft), 20m (66ft), 25m (82ft), 30m (100ft).
Color	

ID	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	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

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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	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	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

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Twintack-U

TPU Lined Hose



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	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



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	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 Linded 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	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 brigades.
Standard Length	15m (50ft), 20m (66ft), 25m (82ft), 30m (100ft), 50m (165ft), 100m (330ft).
Color	

ID	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

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Lexus Hose

Nitrile Rubber Covered Hose



Reinforcement	Polyester filament.
Cover and Tube	Nitrile/TPR blend tube, thin rib on cover provides better performance in abrasion resistance.
Application	Large diameter hose for water supply, Municipal, Industrial Fire Fighting, Premium Solution.
Standard Length	15m (50ft), 30m (100ft), 50m (165ft), 100m (330ft).
Color	

ID	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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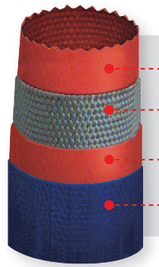
Lexus 4K

Nitrile Rubber Covered Hose





- **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 adopts special materials (such as Hypalon, Nitrile Rubber Mixed with Kevlar Pulp etc) to increase abrasive and ageing resistance of 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°C to +100°C
Internal lining material	Customizeds	**Color**	

ID		Weight		Thickness	Service Pressure		Test Pressure		Minimum Burst Pressure	
inch	mm	g/m	lbs/ft	mm	bar	psi	bar	psi	bar	psi
1"	25	260	0.175	2.4	20-30	290-435	40-60	580-870	60-90	870-1305
1 1/2"	38	385	0.260	2.4	16-25	232-375	32-50	464-725	48-75	696-1088
1 3/4"	45	425	0.285	2.4	16-25	232-363	32-50	464-725	48-75	696-1088
2"	52	490	0.330	2.5	16-25	232-363	32-50	464-725	48-75	696-1088
2 1/2"	65	650	0.435	2.6	16-20	232-300	32-40	464-580	48-60	696-870
2 3/4"	70	700	0.470	2.6	16-20	232-290	32-40	464-580	48-60	696-870
3"	75	760	0.510	2.6	16-20	232-290	32-40	464-580	48-60	696-870

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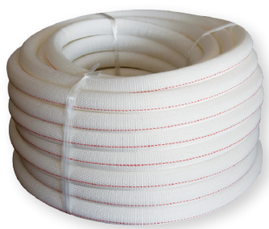
Reelite

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	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 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), 30m (100ft), 60m (200ft).
Color	

ID	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 detais please confim 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	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	
Color	

ID	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





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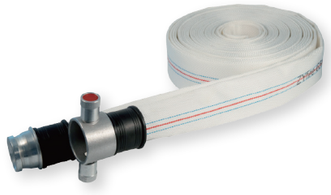
Marineflo-P

TPR Lined Hoses



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	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	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

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Lexus

Nitrile Rubber Covered Hose | DIN14811



Reinforcement	Synthetic yarn/Polyester filament.
Cover and Tube	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	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



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INDUSTRIAL

• Industrial Hose 17





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

Mill-NS

Nitrile Rubber Lined Hose



Jacket	100% virgin high tenacity polyester Single Jacket, Standard Wall thickness.
Lining	Nitrile Rubber (NR)/SBR tube
Application	Water discharge, Wash down, Construction pumps, Cable cover, Sling protection, Economic Solution.
Standard Length	
Color	

ID	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
Application	Water discharge, sWash down, Construction pumps, Cable cover, Sling protection.
Standard Length	
Color	

ID	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

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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	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 Rnbber Lined Hose



Lining	100% virgin high tenacity polyester, Double Jacket, Thicker wall than Mill-NS. Better abrasion resistance performance than Mill-NS.
Cover	Nitrile Rubber (NR)/SBR tube
Reinforcement	Water discharge, sWash down, Construction pumps, Cable cover, Sling protection.
Application	15m (50ft), 30m (100ft).
Temperature	-30°C (-22°F) to +85°C (+185°F)
Length	30m (100ft), 60m (200ft)

I.D.		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	82	20	300	60	900	1.94	2.89
3"	76.2	92	20	300	60	900	2.35	3.5
4"	101.6	124	20	300	60	900	3.56	5.3

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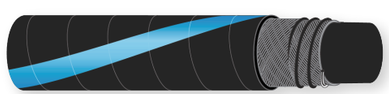
ZY Water Suction and Discharge Hose



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°C (-4°F) to +70°C (+158°F)
Length	30m (100ft), 60m (200ft)

I.D.		O.D.	Service Pressure		Minimum Burst Pressure		Weight	
inch	mm	mm	bar	psi	bar	psi	lbs/ft	kg/m
1 1/2"	38.1	48	10	150	30	450	0.73	1.08
2"	50.8	63	10	150	30	450	1.2	1.78
3"	76.2	90	10	150	30	450	1.9	2.83
4"	101.6	118	10	150	30	450	2.6	3.87
6"	152.4	170	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°C (-4°F) to +70°C (+158°F)
Length	30m (100ft), 60m (200ft)

I.D.		O.D.	Service Pressure		Minimum Burst Pressure		Weight	
inch	mm	mm	bar	psi	bar	psi	lbs/ft	kg/m
1 1/2"	38.1	48	10	150	30	450	0.92	1.36
2"	50.8	63	10	150	30	450	1.10	1.64
3"	76.2	90	10	150	30	450	1.86	2.77
4"	101.6	118	10	150	30	450	2.72	4.05
6"	152.4	170	10	150	30	450	5.21	7.75

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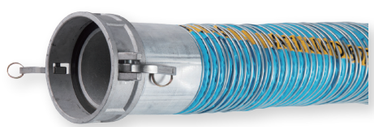
Flexible Chemical Composite Hose



Inner Wire	Stainless steel 316L
Inner Lining	PTFE
External Wire	Stainless steel 316L
Cover	PVC coated polyester cloth
Application	For delivery aspiration of a large variety highly corrosive and compatible with PTFE and stainless steel such as phosphoric acid, Naphtha or Nitric acid in low concentration among others.

I.D.	Bend Radius	Working Pressure		Weight
inch	mm	Max.(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

Snowmaking Hose

TPU/NBR Lined Hose



Jacket	100% virgin high tenacity polyester Jacket, Double jacket, circular woven twill weave or plain weave.
Lining	TPU/NBR tube
Application	Compensate snow loss, protect terrain, enable year-round operation
Standard Length	20m(66ft)
Color	

ID	ID	Service Pressure	Minimum Burst Pressure
inch	mm	psi/bar	psi/bar
1 1/2"	38-40	725/50	2175/150
2"	52-54	580/40	1740/120
2 1/2"	65-67	580/40	1740/120

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AGRICULTURAL

- Agricultural Hose 23
- Irrigation Hose 25
- Potable Water Hose 26





BS6391 EN14540 EN694 DIN14811

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	

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	12/180	36/480	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	12/160	36/480	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

ZYfire's DragPlus is 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



*All technical parameters listed herein are for reference only and subject to change without notice. For detais please confim 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	kg/m	lbs/ft	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	+4.0	0.17	4.0	13/200	39/600	2.48	3.70	37000	81500
10"	254.0	+5.0	0.17	4.2	10/150	30/450	3.02	4.5	45400	100000
12"	305.0	+5.0	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 detais please confim with Zyfire.

TPR Layflat Hose

TPR Layflat Hose



Lining and cover	TPR tube
Reinforcement Jacket	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 detais please confim with Zyfire.

Aquatran

TPU Lined Hose



Jacket	100% virgin high tenacity polyaster Jjacket, Double .lacket, circular wowen twil weave or plain weave.
Lining	TPU tube, raw materials approved by NSF.
Application	Potable Water Trasfer.
Standard Length	15m (50+). 30m (100t).
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



Cover and Lining	TPU, 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 detais please confim with Zyfire.

MINING

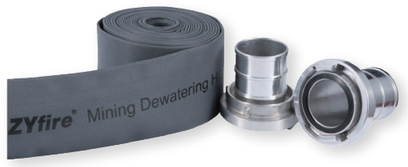
- Mining Hose 29
- Borehose 30
- Suction Hose 31





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

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



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Borehose

TPU Covered Hose | NSF



Cover and Lining	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.
Reinforcement	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°C	30°C to 50°C
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					



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Richflex 10

TPR Covered hose



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

Temperature 15°C to +55°C（+5°F to +130°F）

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

I.D.		O.D.		Weight		Max w.p.@ 68°F	Vacuum 68°F	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

MBR=Minimum Bend Radius

Richflex 20

TPR covered hose



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

Temperature -15°C to +55°C（+5°F to +130°F）

Application Heavy Duty Suction & Drainage, Viscous

I.D.		O.D.		Weight		Max w.p.@ 68°F	Vacuum 68°F	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	50
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

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

Richflex 30

TPU Covered hose



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

Temperature -30°C to +65°C（-22°F to +149°F）

Application

a. Abrasive material handling such as pellets, rocks, sands, chips, grains transfer;

b. Sand shot line, bark blow line, lawn/mulch/straw collection;

c. Industrial vacuum cleaning.

I.D.		O.D.		Weight		Max w.p.@ 68°F	Vacuum 68°F	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	50
8"	203.00	9.21	233.93	6.61	4.44	43.5/3.0	94.0	31	787.4	20

Steel Mesh HDPE Pipe



Material PE

Outer Color Black with Blue or red line

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

Reinforcement Steel Mesh

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

Inner Color

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 detais please confim with Zyfire.

OIL AND GAS

- Fracturing Oilfield Hose 35
- RTP Pipe 42





ZYfire

Fracflo Hose

Through-the-weave TPU Hose for Fresh water



Lining and cover	TPU tube, Ribbed cover or smooth cover.
Reinforcement Jacket	High tenacity synthetic jacket.
Available length	100m (330ft), 200m (660ft), 300m (990ft), 400m (1320ft).
Abrasion	4000 DIN cycles
Temperature range	-50°C to70°C（-58°Fto+158°F）
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	
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	006	≤1	≤10	-50℃ to70℃
8"	204	204-207	0.165±0.016	4.20±0.40	410	1230	≤1	≤10	-58°Fto+158°F
10"	256	256-259	0.197±0.020	3.50±0.40	150	450	≤5	≤8	
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	
20''	508	508-514	0.190+0.020	5.00+0.60	102	306	≤5	≤10	

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

Fracflo Hose Plus

Through-the-weave TPU for Produced Water



Cover	TPU (Extrusion through-the-weave).
Reinforcement Jacket	100% high tenacity Polyester Filament.
Temperature range	-50C°C to 70°C（-58°F to +158°F）
Available length	100m (330ft), 200m (660ff), 300m (990ft), 400m (1320ft)
Coupling	Stainless steel coupling
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	0197	≥300	≥900
12"	0228	≥200	≥600
14"	0.205	≥150	≥450
16"	0.205	≥150	≥450
20''	0.025	≥102	≥305



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Fracflo Glowing Strip Hose

Through-the-weave TPU Hose for Water



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

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	
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	-50℃ to70℃
8"	204	204-207	0.165±0.016	4.20±0.40	300	900	≤1	≤10	-58℉to+158℉
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	

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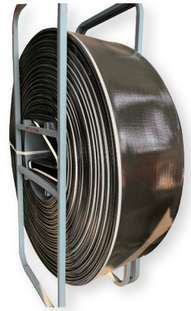
Fracflo Reflective Strip Hose

Through-the-weave TPU Frac Water Hose



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

Hose with reflective strip can be easily seen in the dark and avoid damage at night.

The hose has high resistance against commonly used chemicals and has excellent resistance to UV radiation, hydrolysis and fungus degradation.

I.D.		Tolerance	Wall Thickness		Service Pressure	Minimum Burst Pressure	Elongation AT Wp	Expansion AT Wp	Temperature Range	Reflective Strip Width
inch	mm	mm	inch	mm	psi	psi	max	max		mm
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		20
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	-50℃ to70℃	
8"	204	204-207	0.157±0.016	4.00±0.40	250	750	≤1	≤10	-58℉to+158℉	25
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		30
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		30







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Oneflex Premium

Through-the-weave NBR frac water hose



Lining Properties	a. Ultimate Tensile Strength: Tensile strength of the lining and cover shall not be less than 1500psi (10500kpa); b. Ultimate Elongation: 400% minimum; c. Accelerated Aging Test.
Lining and cover	Nitrile/TPR Blend, 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.
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 +/- 18°F) for a period of 96 hours shall be greater than 60% of the original properties stated.stated.

ID		Tolerance	Wall Thickness		Service Pressure	Minimum Burst Pressure	Weight				Elongation At WP%	Expansion At WP%	Temperature Range
inch	mm	mm	inch	mm	psi	psi	lbs/ft	tolerance lbs/ft	kg/m	tolerance lbs/ft	max	max	
3"	76	76-78	0.118±0.008	3.00±0.20	200	600	0.67	±0.067	1.00	±0.10	≤5	≤5	-30°C to 80°C ~ -22°F to 176°F
4"	102	102-104	0.126±0.012	3.20±0.30	200	600	0.94	±0.067	1.40	±0.10	≤5	≤5	
6"	152	154-157	0.126±0.012	3.20±0.30	200	600	1.47	±0.067	2.20	±0.10	≤5	≤5	
6"	152	154-157	0.138±0.012	3.50±0.30	250	750	1.68	±0.067	2.50	±0.10	≤5	≤5	
6"	152	154-157	0.165±0.012	4.20±0.30	300	900	1.88	±0.134	2.80	±0.20	≤5	≤5	
8"	204	204-207	0.157±0.012	4.00±0.30	200	600	2.41	±0.134	3.60	±0.20	≤5	≤5	
8"	204	204-207	0.165±0.012	4.20±0.30	300	900	2.55	±0.134	3.80	±0.20	≤5	≤5	
8"	204	204-207	0.197±0.012	5.00±0.30	400	1200	2.75	±0.134	4.10	±0.20	≤5	≤5	
10"	254	254-257	0.173±0.016	4.40±0.40	200	600	3.10	±0.134	4.63	±0.20	≤5	≤5	
10"	254	254-257	0.177±0.016	4.50±0.40	300	900	3.35	±0.134	5.00	±0.20	≤5	≤5	
12"	306	306-311	0.157±0.016	4.00±0.40	150	450	3.35	±0.201	5.00	±0.30	≤5	≤5	
12"	306	306-311	0.177±0.016	4.50±0.40	200	600	4.02	±0.201	6.00	±0.30	≤5	≤5	
14"	356	356-360	0.189±0.016	4.50±0.40	150	450	4.96	±0.201	6.00	±0.30	≤5	≤5	
16"	400	406-411	0.181±0.016	4.60±0.40	100	300	5.13	±0.201	6.80	±0.30	≤5	≤5	



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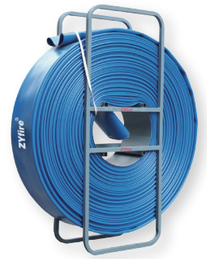
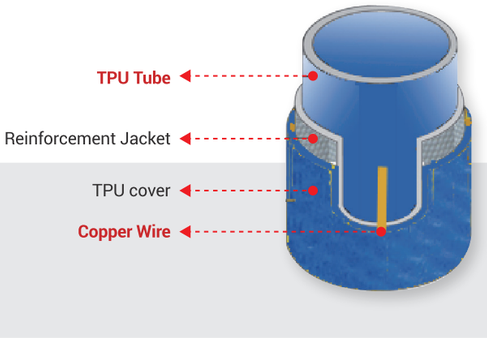
Petroflo Hose

Through-the-weave TPU Hose With Copperuire



Cover	TPU covered hose, extremely abrasion resistant, embedded with copper wires which 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, <20Ω/ m
6"	152	300/21,450/30,720/50	900/63, 1350/90, 2160/150	4R, <20Ω/ m
8"	204	250/17,300/21,720/50	750/51,900/63,2160/150	4R, <40Ω/ m
10"	250	250/17,300/21,720/50	750/51,900/63,2160/150	4R, <40Ω/ m
12"	300	250/17,300/21,720/50	750/51,900/63,2160/150	6R, <40Ω/ m







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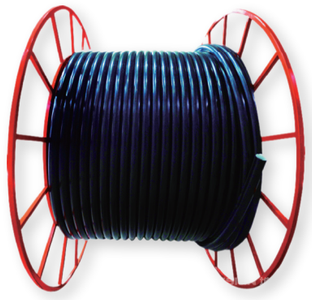
RTP



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

01 | 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.

02 | Mining and coalmine

Transmission of coalbed methane, firefighting water transmission, nitrogen injection and slurry transportation.

03 | Chemical industry

Transmission of special fluids.

04 | Offshore engineering

Water supply and drainage, special fluid transmission.

05 | Other applications

Potable water supply, 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 IYDL Bend Radius	Pipe Length Per Reel	Outside Diameter of Pipe Fitting	Inside Diameter o Pipe FiHtin
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

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» Nipple And Clamp



» Nipple Chemical Test

Test Item	Concentration %	Temperature Approx °C	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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TRENCHLESS

• No-Dig Pipe Rehabilitation 45



ZYfire

No-dig Pipe Rehabilitation







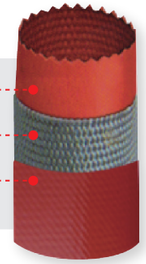
Water solution Liner 100

Raw Materials

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

Three layers

Inner: Modified TPU layer
High Tenacity Fabric Reinforcement Layer
Outer: Abrasion-resistant PE layer



Description	Parameter	Description	Parameter
Host Pipes ID:	50mm - 800mm (2"-32")	Abrasion Resistance (DIN 53516):	10.5mm^3
Max. Operation Pressure:	1.0 - 4.0 Mpa/145 psi - 580 psi	Temperature of Media:	Up to 50°C （122°F）
Max. Bursting Pressure:	3.0 - 12.0 Mpa/435 psi - 1740 psi	Installation Mode:	Fold in U-shape
Max. Length of Installation:	≥3000m (9900ft)	Pulling Speed:	Up to 400m/h
Wall Thickness:	4mm - 8mm	Service Life Duration:	20 years

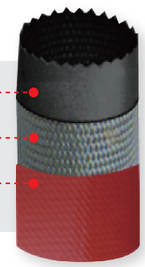
Oil Solution Liner 200

Raw Materials

- High tenacity fabric reinforcement layer;
- Abrasion resistance PE/PVDF cover;
- Modified TPU tube.

Total Three Layers

Inner: Modified PVDF layer
High Tenacity Fabric Reinforcement Layer
Outer: Abrasion-resistant PE layer



Description	Parameter	Description	Parameter
Host Pipes ID:	50mm - 800mm（2" - 32"）	Abrasion Resistance (DIN 53516):	10.5mm3
Max. Operation Pressure:	1.0 - 4.0 Mpa/145 psi - 580 psi	Temperature of Media:	PVDF:-40°C (-40°F) - 120°C (248°F)
Max. Bursting Pressure:	3.0 - 12.0 Mpa/435 psi - 1740 psi	Installation Mode:	Fold in U-shape
Max. Length of Installation:	≥3000m（9900ft）	Pulling Speed:	Up to 400m/h
Wall Thickness:	4mm - 8mm	Service Life Duration:	20years

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

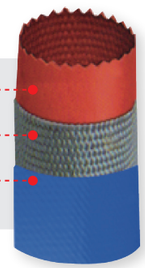
Gas Solution Liner 300

Raw Materials

- High tenacity fabric reinforcement layer;
- Abrasion resistance PE cover;
- Modified TPU tube.

Total Three Layers

Inner: Modified TPU layer
High Tenacity Fabric Reinforcement Layer
Outer: Abrasion-resistant PE layer



Description	Parameter	Description	Parameter
Host Pipes ID:	50mm - 800mm (2"-32")	Abrasion Resistance (DIN 53516):	10.5mm3
Max. Operation Pressure:	1.0 - 4.0 Mpa/145 psi - 580 psi	Temperature of Media:	-40°C（-40°F） - 70°C （158°F）
Max. Bursting Pressure:	3.0 - 12.0 Mpa/435 psi - 1740 psi	Installation Mode:	Fold in U-shape
Max. Length of Installation:	≥3000m (9900ft)	Pulling Speed:	Up to 400m/h
Wall Thickness:	4mm - 8mm	Service Life Duration:	20 years

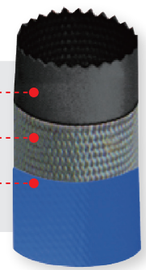
Hot Water Solution Liner 400

Raw Materials

- High tenacity fabric reinforcement layer;
- Abrasion resistance;
- Heat resistance PEX/TPE cover;
- Heat resistance PEX/TPE tube.

Total Three Layers

Inner: Heat Resistance PUX
High Tenacity Fabric Reinforcement Layer
Outer: Heat Resistance PUX



Description	Parameter	Description	Parameter
Host Pipes ID:	50mm - 800mm (2"-32")	Abrasion Resistance (DIN 53516):	10.5mm^3
Max. Operation Pressure:	1.0 - 4.0 Mpa/145 psi - 580 psi	Temperature of Media:	Up to 120°C（248°F）
Max. Bursting Pressure:	3.0 - 12.0 Mpa/435 psi - 1740 psi	Installation Mode:	Fold in U-shape
Max. Length of Installation:	≥3000m (9900ft)	Pulling Speed:	Up to 400m/h
Wall Thickness:	4mm - 8mm	Service Life Duration:	20 years

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

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"



Gost Couplings

Material	Aluminum/Brass
Size	2"/2.5"/3"/6"



Spanish Couplings

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



John Morris Couplings BS Instantaneous Couplings

Material	Aluminum/Brass
Size	1.5"x1.5"/1.5" x 2.5"/1.75" x 2.5"/2" x 2.5"/2.5" x 2.5"



Forestry Couplings

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



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"



Type A Type B TypeC Type D



Type DC Type DP Type E Type F

Italian Couplings

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



Machino Couplings

Material	Aluminum/Brass
Size	1.5"/2"/2.5s



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



Storz Fittings

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



LDHC

Material	Forged Aluminum, SS316, Carbon Steel
Size	4"/6"/8"/10"/12"/14"/16"/20"



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	Castecl/Forged Aluminum
Size	4"/5"/6"/8"/10"/12"/14"/16"

Regular clamp

Material	Cast Iron
Size	2"/3"/4"/5"/6"/8"/10"/12"/14"/16"/20"



Quick clamp

Material	Cast Iron
Size	3"/4"/5"/6"/8"/10"/12"/14"/16"



Binding/Crimping/Clamping Options



Wire Binded Way



Internal Expanding Solution



Aluminum Ring Clamp Bined

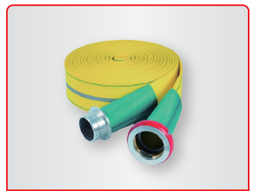


Aluminum Sleeve Crimped

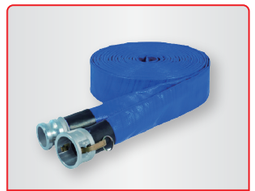
Sleeve Selection



White Weave Jacket



Color Weave Jacket Sleeve



EPDM Sleeve

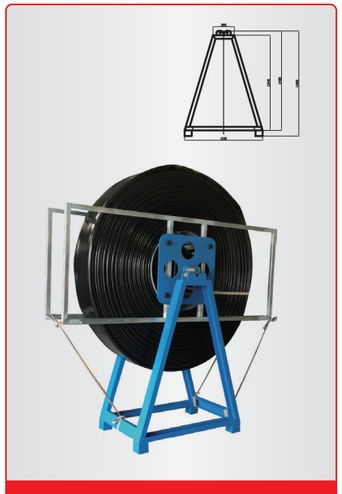


Rubber Sleeves

Bridge Protection and Winding System



ZYfire Hose Deploy Machine



Type "A"Frame



Hose Bridge



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

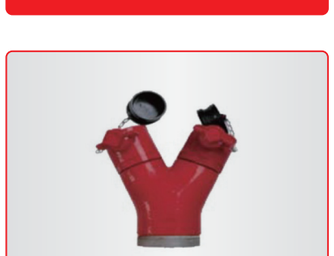

ZYD005

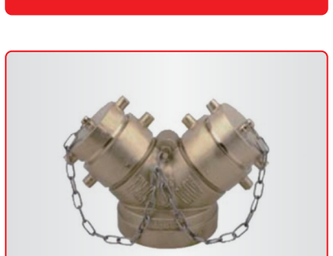

ZYD006


ZYD007


ZYD008


ZYD009


ZYD010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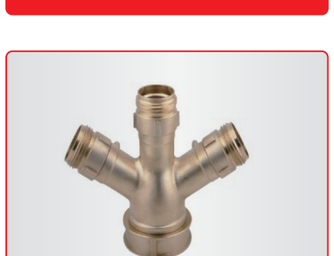
ZYD012

Test Process



Differential Scanning Calorimetry(DSC)



Dynamic mechanicalanalysis(DMA)



Thermogravimetric Analyzer (TGA)



Tensile machine



Mooney testing machine



Moving Die Rheometer