

**Hoses, Couplings & Solutions** 





### Manufactured under ISO 9001 Quality Management Systems accreditation















Asoe Hose Manufacturing Inc. is a high-tech enterprise focusing on the development of hose solutions. Its products mainly include TPU layflat hoses, NBR layflat hoses, PE composite pipes, rubber-plastic composite pipes, PVC alloy pipes, and Supporting equipment and connectors can be used for trenchless pipeline rehabilitation, agricultural fertilization, irrigation, mineral exploration, industrial fluid transmission, oil and gas exploration, temporary oil transportation, emergency rescue, construction and other occasions, 80% of the products are exported. 4 core products of Asoe's layflat hoses ranks the top three in the world. The company has long-term strategic cooperation with scientific research institutions such as Louisiana Tech University, Purdue University, Texas State University Arlington, China University of Geosciences, Huazhong University of Science and Technology, and has 14 invention patents and 56 new utility patents, 3 national secret patents, 2 international invention patents PCT, 8 Madrid trademarks, participated in the formulation of 2 national standards, 1 international ISO standard, and passed the British Standards Institute (BSI) ISO9001 quality system certification.

Asoe is a world class manufacture of:

Woven jacket hoses (EPDM lined Fire hoses, PU lined fire hoses, PVC lined fire hoses, NR/ SBR lined fire hoses, NBR lined fire hoses, CR lined fire hoses, Rack hoses, supply hoses, attack hoses, snow-making hoses, mill discharge hoses, potable water hoses, semi-rigid reel hoses)

NBR Rubber covered layflat hoses( slurry hoses, manure supply hoses, water discharge hoses, fire hoses)

PU covered layflat hoses (drag hoses, manure supply hoses, potable water hoses, frac water transfer hoses, oil transfer hoses, well rising hoses, dredging hoses etc.)

TPE covered hoses

TPR covered hoses (Produced water transfer, chemical fluid transfer) Couplings and some related equipment





# Mileflex ™

3

### **TPU Layflat Hoses**

Designed for dewatering in mining, water transfer in fracking or quarrying, long distance water transfer etc.



Mileflex is one type of super heavy-duty through-theweave polyurethane (PU) covered hose. Mileflex hoses shall be made from 100% high tenacity synthetic yarn circular woven and completely, totally embedded in the PU compound, excellent protected against mechanical damage, forming a single homogenous construction without the use of any glues or adhesives of any type Application: Suitable for use and recommended for frac water transferring, dewatering in mining and water transfer in harsh environment.

Inner tube and cover: Smooth PU cover and tube.
Reinforcement: Circular woven polyester jacket Operating
Temperature Range: From -60° F to 176°F (-50° C to 80° C)

Standard Color: Black, other colors available per request Standard Length: 50ft, 100ft, 300ft/91.5m,330ft/100m, 660ft/200m; other lengths available per request;

Couplings: LDHC V couplings, LDHC FM Couplings, LDHC S (Storz) Couplings, etc.

.....

Warranty: 5 years guarantee

#### **Recommended for:**

Frac Water Transfer Solutions Long distance Water Transfer Solutions Mining Dewatering Solutions Emergency Bypass

# Mileflex ™

IC	)	Wall Thi	ckness	Wei	ght	Working Pressure	Bursting Pressure
Inch	mm	Inch	mm	lbs/ft	kg/m	PSI/bar	PSI/bar
1 1/2"	38+1.5	0.09"	2.2	0.2	0.3	300PSI/21bar	900PSI/63bar
2"	51+1.5	0.11"	2.7	0.34	0.5	300PSI/21bar	900PSI/63bar
2 1/2"	64+1.5	0.12"	2.9	0.44	0.65	300PSI/21bar	900PSI/63bar
3"	76+2.0	0.12"	3	0.5	0.75	250PSI/17bar	750PSI/51bar
4"	103+2.0	0.13"	3.2	0.78	1.16	250PSI/17bar	750PSI/51bar
6"	154+2.5	0.17"	4.2	1.56	2.33	200PSI/14bar	600PSI/42bar
8"	204+3.0	0.175"	4.5	2.3	3.43	215PSI/15bar	645PSI/45bar
10"	254+3.0	0.180"	4.6	3.08	4.59	200PSI/14bar	600PSI/42bar
12"	305+3.0	0.185"	4.7	3.36	5.01	150PSI/10bar	450PSI/30bar
12"	305+3.0	0.196"	5.0			250PSI/17bar	750PSI/51bar
14"	355+3.0	0.205"	5.2	4.36	6.5	150PSI/10bar	450PSI/30bar
16"	406+3.0	0.212"	5.4	4.16	6.2	150PSI/10bar	450PSI/30bar
16"	406+3.0	0.205"	5.0	5.17	7.7	250PSI/17bar	750PSI/51bar

855-577-HOSE WWW.STERLINGHOSE.COM



# Oilvey™ 10

### **PU Layflat Hoses**

Designed for transferring oil or fuel temporarily etc. ...



Oilvey 10 is one type of through-the-weave polyurethane (PU) covered hose. Oilvey 10 hoses shall be made from 100% high tenacity synthetic yarn circular woven and completely, totally embedded in the PU compound, excellent protected against mechanical damage, forming a single homogenous construction without the use of any glues or adhesives of any type.

Incorporated copper wire is used to transfer static electricity.

Application: Suitable for use and recommended for temporarily transferring oil, fuel, and produced water transfer etc.

Inner tube and cover: Smooth PU cover and tube.

Reinforcement: Circular woven polyester jacket with static wire incorporated.

Operating Temperature Range: From -60° F to 176° F (-50° C to 80° C)

Standard Color: NATO Green, other colors available per request

Standard Length: 50ft, 100ft, 330ft/100m, 660ft/200m; other lengths available per request;

Couplings: Aluminum LDHC V couplings, Aluminum LDHC FM Couplings, Storz couplings, etc.

Warranty: Ten years guarantee

### **Recommended for:**

Temporarily oil or fuel transfer solutions Produced Water Transfer Solutions Other

# *Oilvey* ™ *10*

	ID	Wall Thi	ckness	Wei	ght	Working Pressure	Bursting Pressure
Inch	mm	Inch	mm	lbs/ft	kg/m	PSI/bar	PSI/bar
1 1/2"	35+1.5	0.09"	2.2	0.2	0.3	250PSI/17bar	750PSI/51bar
2"	51+1.5	0.11"	2.7	0.34	0.5	250PSI/17bar	750PSI/51bar
2 1/2"	64+1.5	0.12"	2.9	0.44	0.65	250PSI/17bar	750PSI/51bar
3"	76+2.0	0.12"	3	0.5	0.75	250PSI/17bar	750PSI/51bar
4"	103+2.0	0.13"	3.2	0.78	1.16	250PSI/17bar	750PSI/51bar
6"	153+2.5	0.17"	4.2	1.56	2.33	200PSI/14bar	600PSI/42bar
8"	204+3.0	0.175"	4.5	2.3	3.43	215PSI/15bar	645PSI/45bar



# Oilvey™ 20

### **PU Layflat Hoses**

Designed for transferring oil or fuel temporarily etc. ...



Oilvey 20 is one type of through-the -weave polyurethane (PU) covered hose. Oilvey 20 hoses shall be made from 100% high tenacity synthetic yarn circular woven and completely, totally embedded in the PU compound, excellent protected against mechanical damage, forming a single homogenous construction without the use of any glues or adhesives of any type.

Incorporated copper wire is used to transfer static electricity.

Application: Suitable for use and recommended for temporarily transferring oil, fuel, and produced water transfer etc.

Inner tube and cover: Smooth PU cover and tube.

Reinforcement: Circular woven polyester jacket with static wire incorporated.

Operating Temperature Range: From -60° F to 176°F (-50° C to 80° C)

Standard Color: NATO Green, other colors available per request

Standard Length: 50ft, 100ft, 330ft/100m, 660ft/200m; other lengths available per request;

Couplings: Steel HPHC FM couplings, etc.

Warranty: Ten years guarantee

### Recommended for:

Temporarily oil or fuel transfer solutions Produced Water Transfer Solutions Other

# Oilvey ™ 20

ID '		Wall Thickness		Weight		Working Pressure	Bursting Pressure
Inch	mm	Inch	mm	lbs/ft	kg/m	PSI/bar	PSI/bar
4"	103+2.0	0.20"	5.2	1.29	1.93	400PSI/28bar	1200PSI/84bar
6"	153+2.5	0.23"	5.9	2.26	3.37	400PSI/28bar	1200PSI/84bar
8"	204+3.0	0.24"	6.2	3.5	5.21	365PSI/25bar	1100PSI/75bar



# Welline™

### **PU Layflat Hoses**

Designed for water well rising/drop hose, also for Emergency coal mine dewatering etc. ...



Welline is one type of through-the-weave polyurethane (PU) covered hose which is made of PU materials approved according to NSF 61 standard. Welline hoses shall be made from 100% high tenacity virgin synthetic yarn circular woven and completely, totally embedded in the PU compound, excellent protected against mechanical damage, forming a single homogenous construction without the use of any glues or adhesives of any type

Application: Suitable for use and recommended for pumping well water. These hoses are connected with submersible pump and are very easy to be installed and retrieved. Also used for mining dewatering.

Inner tube and cover: Smooth PU cover and tube. One strip of reinforced polyurethane on the side of cover to support the electrical cables and accessories

Reinforcement: Circular woven polyester jacket

Operating Temperature Range: From -60° F to 176° F(-50° C to 80° C)

Standard Color: Blue, other colors available per request

Standard Length: 300ft/91.5m, 330ft/100m,660ft/200m; other lengths available per request;

Couplings: Stainless steel couplings with NPT thread, etc.

Warranty: 10 years guarantee

#### **Recommended for:**

Fresh Water Supply Solutions in mines, agriculture, water utilities, industrial, solar etc.

**Emergency Mine Dewatering** 

# Welline™

	ID	Wall Thic	ckness	Wei	ght	Working Pressure	Bursting Pressure
Inch	mm	Inch	mm	lbs/ft	kg/m	PSI/bar	PSI/bar
1 1/2"	39+1.5	0.10"	2.4	0.22	0.33	425PSI/30bar	920PSI/65bar
2"	52+1.5	0.10"	2.4	0.37	0.55	425PSI/30bar	920PSI/65bar
2 1/2"	65+1.5	0.11"	2.9	0.41	0.61	425PSI/30bar	920PSI/65bar
3"	77+2.0	0.10"	2.5	0.64	0.95	390PSI/27bar	860PSI/60bar
4"	104+2.0	0.13"	3	0.94	1.4	380PSI/26bar	840PSI/58bar
5"	128+2.0	0.15"	3.8	1.14	1.7	360PSI/25bar	800PSI/55bar
6"	155+2.5	0.15"	3.8	1.68	2.5	360PSI/25bar	800PSI/55bar
8"	204+3.0	0.17"	4.3	2.3	3.4	260PSI/18bar	645PSI/45bar

855-577-HOSE WWW.STERLINGHOSE.COM



# Potaflow™

### **PU Layflat Hoses**

Designed for potable water transfer, also for agricultural irrigation etc.



Potaflow is one type of through-the-weave polyurethane (PU) covered hose which is made of PU materials approved according to NSF 61 standard. Potaflow hoses shall be made from 100% high tenacity virgin synthetic yarn circular woven and completely, totally embedded in the PU compound, excellent protected against mechanical damage, forming a single homogenous construction without the use of any glues or adhesives of any type.

Application: Suitable for use and recommended for potable water transfer. These hoses also can be used for agricultural irrigation etc.

Inner tube and cover: Smooth PU cover and tube

Reinforcement: Circular woven polyester jacket

Operating Temperature Range: From -60° F to 176° F(-50° C

to 80° C)

Standard Length: 50ft, 100ft, 300ft/91.5m,330ft/100m, 660ft/200m; other lengths available per request;

Couplings: Stainless steel couplings with BSP thread, etc.

..........

Warranty: 10 years guarantee

### Recommended for:

Potable Water Transfer Solutions Agricultural Irrigation Solutions other

# Potaflow™

	ID	Wall Thi	ckness	Wei	ght	Working Pressure	Bursting Pressure
Inch	mm	Inch	mm	lbs/ft	kg/m	PSI/bar	PSI/bar
1 1/2"	38+1.5	0.08"	2	0.18	0.26	200PSI/14bar	600PSI/42bar
2"	51+1.5	0.08"	2	0.27	0.4	200PSI/14bar	600PSI/42bar
2 1/2"	64+1.5	0.09"	2.3	0.33	0.49	200PSI/14bar	600PSI/42bar
3"	76+2.0	0.10"	2.5	0.45	0.66	200PSI/14bar	600PSI/42bar
4"	103+2.0	0.11"	2.8	0.71	1.05	200PSI/14bar	600PSI/42bar
6"	154+2.5	0.14"	3.4	1.21	1.8	200PSI/14bar	600PSI/42bar
8"	204+3.0	0.17"	4.3	2.15	3.2	200PSI/14bar	600PSI/42bar
10"	254+3.0	0.18"	4.6	3.08	4.59	200PSI/14bar	600PSI/42bar
12"	305+3.0	0.185"	4.7	3.36	5.01	150PSI/10bar	450PSI/30bar



# Longman™ 450

### **Nitrile Rubber Layflat Hoses**

Designed for water discharge, irrigation etc. ...



Longman 450 is one type of through-the-weave Nitrile Rubber (NBR) covered hoses. Longman 450 hoses shall be made from 100% high tenacity synthetic yarn circular woven and completely, totally embedded in the NBR/PVC compound, excellent protected against mechanical damage, forming a single homogenous construction without the use of any glues or adhesives of any type. NBR compound is composed of NBR and PVC. High percentage of NBR content contributes to better abrasion-resistance.

Application: Suitable for irrigation, washdown, water discharge etc.

Inner tube: Very smooth with minimum friction loss cover: ribbed for more abrasion resistance

Reinforcement: Circular woven polyester jacket

Operating Temperature Range: -20°C up to +80°C(-4°F up to 176°F) based on water

Standard Color: Black, other colors available perrequest

Standard Length: 50ft, 100ft, 300ft/91.5m,330ft/100m, 660ft/200m; other lengths available perrequest;

Couplings: Camlocks, Pinlug, Expansion Ring couplings etc

......

### **Recommended for:**

Water discharge Solutions Mining Dewatering Solutions Irrigation Solutions Other

# Longman™ 450

	ID	Wall Thic	ckness	Wei	ght	Working Pressure	Bursting Pressure
Inch	mm	Inch	mm	lbs/ft	kg/m	PSI/bar	PSI/bar
1 1/2"	38+1.5	0.08"	2.2	0.21	0.32	150PSI/10bar	450PSI/30bar
2"	51+1.5	0.08"	2.2	0.32	0.47	150PSI/10bar	450PSI/30bar
2 1/2"	64+1.5	0.08"	2.2	0.44	0.65	150PSI/10bar	450PSI/30bar
3"	76+2.0	0.10"	2.5	0.48	0.72	150PSI/10bar	450PSI/30bar
4"	103+2.0	0.10"	2.6	0.66	0.98	150PSI/10bar	450PSI/30bar
6"	154+2.5	0.12"	3.2	1.14	1.7	150PSI/10bar	450PSI/30bar
8"	204+3.0	0.12"	3.2	1.54	2.3	150PSI/10bar	450PSI/30bar
10"	254+3.0	0.14"	3.6	2.05	3.05	150PSI/10bar	450PSI/30bar
12"	305+3.0	0.18"	4.5	2.41	3.6	150PSI/10bar	450PSI/30bar

855-577-HOSE WWW.STERLINGHOSE.COM



Hose, Reel & Supply, LLC

# Longman™ 600

### **Nitrile Rubber Layflat Hoses**

Designed for water discharge, irrigation etc. ...



Longman 600 is one type of through-the-weave Nitrile Rubber (NBR) covered hose. Longman 600 hoses shall be made from 100% high tenacity synthetic yarn circular woven and completely, totally embedded in the NBR/PVC compound, excellent protected against mechanical damage, forming a single homogenous construction without the use of any glues or adhesives of any type. NBR compound is composed of NBR and PVC. High percentage of NBR content contributes to better abrasion-resistance.

Application: Suitable for use and recommended for agricultural manure transfer, mining and industrial water discharge. Serving fracking efforts in shale deposits worldwide.

Inner tube: Very smooth with minimum friction loss

Cover: ribbed with more abrasion resistance

Reinforcement: Circular woven polyester jacket

Operating Temperature Range: -20°C up to +80°C(-4°F up

to 176°F) based on water

Standard Color: Black, other colors available per request

Standard Length: 50ft, 100ft, 300ft/91.5m,330ft/100m, 660ft/200m; other lengths available per request;

Couplings: Camlock, LDHC V Couplings, Expansion Ring couplings, LDHC Agro Couplings etc.

......

#### Recommended for:

Water discharge Solutions Mining Dewatering Solutions Frac Water Transfer Solutions Other

# Longman™ 600

	ID	Wall Thic	kness	Weig	ght	Working Pressure	Bursting Pressure
Inch	mm	Inch	mm	lbs/ft	kg/m	PSI/bar	PSI/bar
1 1/2"	38+1.5	0.10"	2.6	0.22	0.33	250, 300PSI/17, 21bar	750, 900PSI/51, 63bar
2"	51+1.5	0.10"	2.6	0.4	0.6	250, 300PSI/17, 21bar	750, 900PSI/51, 63bar
2 1/2"	64+1.5	0.10"	2.6	0.56	0.83	250, 300PSI/17, 21bar	750, 900PSI/51, 63bar
3"	76+2.0	0.11"	2.8	0.64	0.95	200, 250PSI/14, 17bar	600, 750PSI/42, 51bar
4"	103+2.0	0.12"	3	0.91	1.35	200, 250PSI/14, 17bar	600, 750PSI/42, 51bar
6"	154+2.5	0.14"	3.5	1.87	2.8	200, 250PSI/14, 17bar	600, 750PSI/42, 51bar
8"	204+3.0	0.16"	4	2.55	3.8	215PSI/15bar	645PSI/45bar
10"	254+3.0	0.18"	4.5	3.02	4.5	200PSI/14bar	600PSI/42bar



### Snowman™

### **PU Lined Fire Hoses, Double Jackets**

Designed for snow making, fire-fighting etc.



Snowman is designed to meet the demands of snowmakers. This Snow Hose is a durable, high performance and compact product.

Snowman is a polyester double jacket style hose with a Polyurethane (PU/TPU) lining that can also handle some chemicals and petroleum based products. It can be coated with Asoe's optional Polyurethane-based Durablux™ treatment for a higher level of heat and abrasion resistance. The two different grades of Snowman are provided to give snowmakers the opportunity to choose the right hose for their specific application needs.

Application: Suitable for snow-making, and industrial and municipal fire brigades etc.

Inner tube: Polyurethane lining

Jacket: Double jackets, circular woven polyester jacket, plain weave or twill weave, warp yarn is made of spun polyester yarn, strips available per request

Operating Temperature Range: -60° to 176°F (-50° to80°C) based on water

Standard Color: yellow, red, other colors (coated with Durablux™) available per request.

Standard Length: 50ft, 100ft; other lengths available per request;

Couplings: Steel camlock couplings etc.

Standards: Meets and exceeds NFPA 1961, UL19,FM2111, ULC-S511-99 etc.

......

#### **Recommended for:**

Snow-Making Solutions Fire Fighting Solutions Other

# Snowman™

II	)	Working Pressure	Bursting Pressure
Inch	mm	PSI/bar	PSI/bar
1 1/2"	38+1.5	400/28, 600/42	1200/84, 1800/126
2"	51+1.5	400/28, 600/42	1200/84, 1800/126
2 1/2"	64+1.5	400/28, 600/42	1200/84, 1800/126



# Longman™ Fire

### **Nitrile Rubber Fire Hoses**

Designed for fire-fighting etc.



Longman Fire is one type of through-the-weave Nitrile Rubber (NBR) covered fire hose. Longman Fire hoses shall be made from 100% high tenacity synthetic yarn circular woven and completely, totally embedded in the NBR/PVC compound, excellent protected against mechanical damage, forming a single homogenous construction without the use of any glues or adhesives of any type. NBR compound is composed of NBR and PVC. High percentage of NBR content contributes to better abrasion-resistance. Small ID of Longman Fires are used as attack hoses. 4", 5" and 6" Longman Fire hoses are used as supply line.

Application: Suitable for military, fire brigades, marine and offshore installation, chemical industries, and refineries etc.

Inner tube: Very smooth with minimum friction loss Cover: ribbed with more abrasion resistance

Reinforcement: Circular woven polyester jacket

Operating Temperature Range: -37°C up to +95°C (-35°F up to 200°F) based on water

Standard Color: yellow, red, other colors available per request Standard Length: 15m, 20m, 30m, 50ft, 100ft; other lengths available per request;

Couplings: Aluminum or Brass NH/NST couplings, Aluminum or Brass Instantaneous Couplings, Storz, Guillemin Couplings, Gost Couplings etc.

......

#### **Recommended for:**

Chemical Transfers Solutions Fire Fighting Solutions Other

# Longman™ Fire

	ID	Wall Thic	kness	Weig	ght	Working Pressure	Bursting Pressure
Inch	mm	Inch	mm	lbs/ft	kg/m	PSI/bar	PSI/bar
1 1/2"	38+1.5	0.09"	2.4	0.32	0.48	250/17, 300/21	750/51, 900/63
1 3/4"	45+1.5	0.09"	2.4	0.36	0.54	250/17, 300/21	750/51, 900/63
2"	51+1.5	0.10"	2.6	0.4	0.6	250/17, 300/21	750/51, 900/63
2 1/2"	64+1.5	0.10"	2.6	0.55	0.82	250/17, 300/21	750/51, 900/63
3"	76+2.0	0.11"	2.8	0.66	0.98	250/17, 300/21	750/51, 900/63
4"	104+2.0	0.12"	3	0.9	1.34	250/17, 300/21	750/51, 900/63
5"	127+2.0	0.13"	3.2	1.09	1.62	225/16, 250/17	675/48, 750/51
6"	155+2.5	0.13"	3.2	1.4	2.09	225/16, 250/17	675/48, 750/51



# Longman™ Hippo

### **Nitrile Rubber Fire Hoses**

Designed for fire-fighting etc.



Longman Hippo is one type of super heavy-duty throughthe-weave Nitrile Rubber (NBR) covered fire hoses. Longman Hippo hoses shall be made from 100% high tenacity synthetic yarn circular woven and completely, totally embedded in the NBR/PVC compound, excellent protected against mechanical damage, forming a single homogenous construction without the use of any glues or adhesives of any type. NBR compound is composed of NBR and PVC. High percentage of of NBR content contributes to better abrasion -resistance. Application: Suitable for military, fire brigades, chemical industries, and refineries etc.

Inner tube: Very smooth for minimum friction loss

Cover: ribbed for more abrasion resistance

Reinforcement: Circular woven polyester jacket

Operating Temperature Range: -20°C up to +80°C (-4°F up

to 176°F) based on water

Standard Color: yellow, red, other colors available per request

Standard Length: 15m, 20m, 30m, 50ft, 100ft; other lengths available per request;

Couplings: Storz, Bauer Couplings, LDHC Agro Couplings etc.

......

#### Recommended for:

Industrial Fire Fighting Solutions Other

# **Longman™ Hippo**

I	D	Wall Thic	kness	Wei	ght	Working Pressure	Bursting Pressure
Inch	mm	Inch	mm	lbs/ft	kg/m	PSI/bar	PSI/bar
6"	155+2.0	0.19"	4.8	2.01	3	310/21.5	930/64
7 1/4"	186+2.5	0.19"	4.8	2.44	3.64	250/17	750/51



# **Dominant Logic**

### Changes, Challenges, Chances

### Changes

The pace of change in the world is accelerating rapidly. Asoe stays ahead by closely following industry trends and driving innovation in hose and pipe applications across diverse sectors. Our mission is to deliver constructive and creative advancements that benefit our customers.

### Challenges

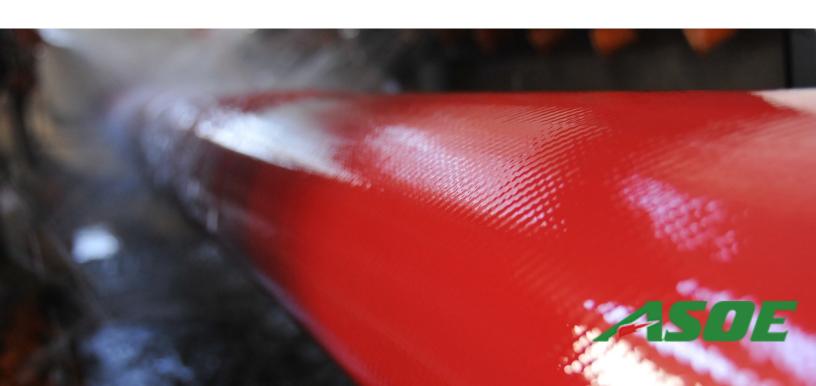
Asoe is committed to challenging conventional approaches and outdated, inefficient solutions to drive progress and innovation.

### Chances

Asoe creates opportunities, seizes them, and delivers new business prospects to its customers.









### **Asoe Solutions Included:**

- Frack Water Transfer Solutions
- Manure Transfer Solutions
- Water Irrigation Solutions
- Concrete Placement Solutions
- Fire Control Solutions
- Fluid By-Pass Solutions

- Oil Transfer Solutions
- Mining Dewatering Solutions
- Groundwater Rising Solutions
- Snow-Making Hose Solutions
- Dredging Hose Solutions
- Pipe Rehabilitation Solutions

### Asoe Solutions Serve:

Oil & Gas Marine

Construction Military

Municipal Chemical plants

Agricultural Nuclear plants



Sterling Hose, Reel & Supply LLC
Sales and Service
1777 NE Loop 410, Ste. 908
San Antonio, TX 78217
www.sterlinghose.com

