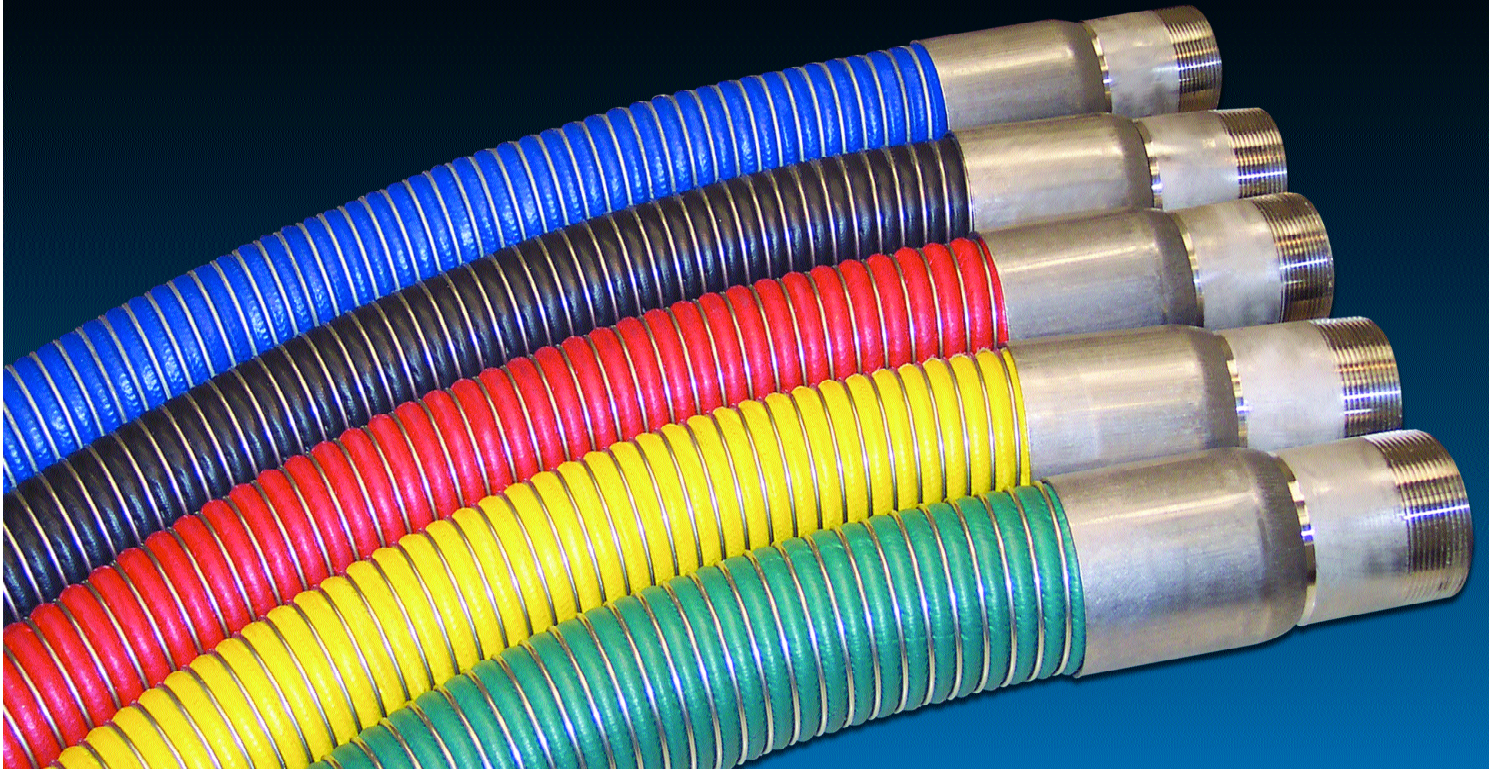




TITAN INDUSTRIES
Manufacturer of Industrial Hose

MIDFLEX COMPOSITE HOSE



TITAN MIDFLEX COMPOSITE HOSE STYLES

VAPOR RECOVERY HOSE - 1000-SD-GG

Applications: Petroleum and petrochemical vapor recovery in bottom loading, ship to shore, and tank truck transfer applications.

Features:

- Meets U.S.C.G. requirements 33CFR 154.810.
- Lightweight and flexible.
- Excellent resistance to kinking or crushing.
- Maintains flexibility in low temperature environments.

Liner: Multiple layers of polypropylene.
Cover: Yellow PVC coated polyester.
Inner Wire: G - Galvanized steel.
Outer Wire: G - Galvanized steel.
 Wire Options: S - Stainless steel inner or outer wire.

I.D.	WORKING PRESSURE PSI	MINIMUM BEND RADIUS	WEIGHT LB/FT.	MAX LENGTH FT.
4"	100	11"	3.0	65
6"	100	16"	4.0	60
8"	100	22"	8.0	60
10"	100	35"	18.0	50



PETROLEUM TRANSFER HOSE - 2100-HD-GG

Applications: Transfer of a wide range of petroleum products in ship to shore, rail car, tank truck, marine, and in-plant service applications.

Features:

- Lightweight and easy to handle.
- Flexible at low temperatures.
- Spiral wound inner and outer wires provide strength and durability.

Liner: Multiple layers of polypropylene.
Cover: Blue PVC coated polyester.
Inner Wire: G - Galvanized steel.
Outer Wire: G - Galvanized steel.

I.D.	WORKING PRESSURE PSI	MINIMUM BEND RADIUS	WEIGHT LB/FT.	MAX LENGTH FT.
1"	250	5"	.8	60
1½"	250	6"	1.0	60
2"	250	6½"	1.2	65
2½"	250	8"	1.6	60
3"	250	9½"	2.0	60
4"	250	16"	4.4	65
6"	250	20"	7.0	65
8"	250	29"	10.0	65
10"	150	40"	23.0	50



TITAN MIDFLEX COMPOSITE HOSE STYLES

CHEMICAL TRANSFER HOSE - 3100-HD-PG

Applications: Petroleum and chemical service in tank truck, rail car, and in-plant transfer applications.

Features:

- PVC outer cover provides long-term durability.
- Polypropylene coated inner wire for chemical resistance and static dissipation.

Liner: Multiple layers of polypropylene.

Cover: Black PVC coated polyester.

Inner Wire: P - Polypropylene coated steel.

Outer Wire: G - Galvanized steel.

Wire Options: S - Stainless steel outer wire.

I.D.	WORKING PRESSURE PSI	MINIMUM BEND RADIUS	WEIGHT LB/FT.	MAX LENGTH FT.
1"	250	5"	.8	60
1½"	250	6"	1.0	60
2"	250	6½"	1.2	65
2½"	250	8"	1.6	60
3"	250	9½"	2.0	60
4"	250	16"	4.4	65
6"	250	20"	7.0	65
8"	250	29"	10.0	65



AGGRESSIVE CHEMICAL TRANSFER HOSE - 4100-HD-SS

Applications: Transfer of corrosive materials in rail car loading, tank truck delivery, chemical plants, refineries, paint facilities, and other in-plant liquid transfer applications.

Features:

- Lightweight and easy to handle.
- Maintains flexibility in low temperatures.

Liner: Multiple layers of polypropylene.

Cover: Green PVC coated polyester.

Inner Wire: S - Stainless steel.

Outer Wire: S - Stainless steel.

Wire Options: G - Galvanized steel outer wire.

I.D.	WORKING PRESSURE PSI	MINIMUM BEND RADIUS	WEIGHT LB/FT.	MAX LENGTH FT.
1"	250	5"	.8	60
1½"	250	6"	1.0	60
2"	250	6½"	1.2	65
2½"	250	8"	1.6	60
3"	250	9½"	2.0	60
4"	250	16"	4.4	65
6"	250	20"	7.0	65
8"	250	29"	10.0	65



TITAN MIDFLEX COMPOSITE HOSE STYLES

PTFE CHEMICAL TRANSFER HOSE - 5100-HD-SS

Applications: Aggressive chemicals and corrosives in chemical plant, refinery, and pharmaceutical applications.

Features:

- PTFE liner provides maximum chemical resistance.
- Durable PVC outer cover.
- Flexible and lightweight.

Liner:	Multiple layers of PTFE films.
Cover:	Red PVC coated polyester.
Inner Wire:	S - Stainless steel.
Outer Wire:	S - Stainless steel.
Wire Options:	G - Galvanized steel outer wire.

I.D.	WORKING PRESSURE PSI	MINIMUM BEND RADIUS	WEIGHT LB/FT.	MAX LENGTH FT.
1"	250	5"	.8	60
1½"	250	6"	1.0	60
2"	250	6½"	1.2	65
2½"	250	8"	1.6	60
3"	250	9½"	2.0	60
4"	250	16"	4.4	65
6"	250	20"	7.0	65
8"	250	29"	10.0	65



BOTTOM LOADING HOSE - 4500-HD-GG

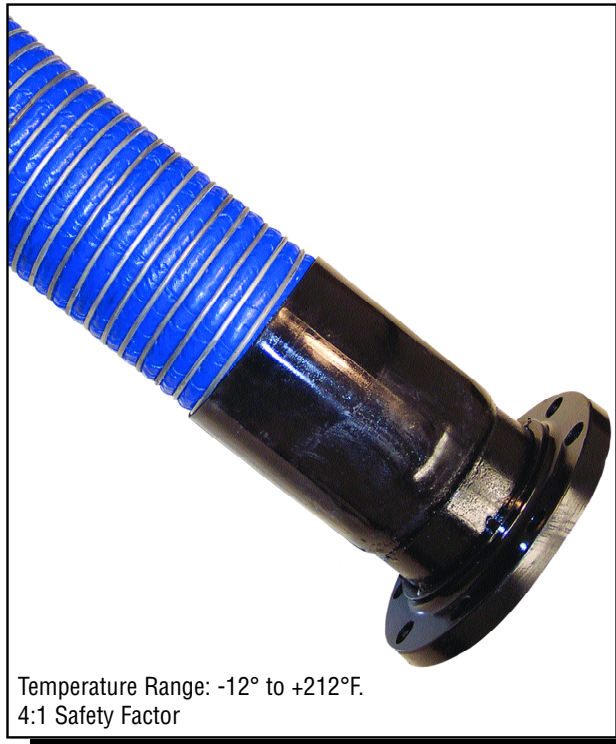
Applications: Bottom loading at bulk distribution and production refinery facilities. Suitable for all hose loading arms in bottom loading applications.

Features:

- Factorycoupled with TTMA flanges.
- Safe handling of all types of refined hydrocarbons.
- Reinforced for minimal elongation.
- Long-term durability.
- Stays flexible under charge.

Liner:	Multiple layers of polypropylene.
Cover:	Blue PVC coated polyester.
Inner Wire:	G - Galvanized steel.
Outer Wire:	G - Galvanized steel.
Wire Options:	P - Polypropylene coated inner or outer wire. S - Stainless steel inner or outer wire.

I.D.	WORKING PRESSURE PSI	MINIMUM BEND RADIUS	WEIGHT LB/FT.	MAX LENGTH FT.
3"	200	9½"	2.2	60
4"	200	16"	3.4	65



TITAN MIDFLEX COMPOSITE HOSE

Midflex Composite Hoses provide superior performance and offer the most flexible material transfer solution for a myriad of processing, transportation, and bulk transfer applications.

Designed to meet the critical requirements of the chemical and fluid handling market, a durable dual wire construction delivers ease of handling and a superior bend radius. Custom fabricated end fittings ensure a leak-free hose assembly and operator safety.



DESIGN OPTIONS	
Inner/Outer Wire	G - Galvanized Steel
	P - Polypropylene Coated Steel
	S - Stainless Steel
Liner	Polypropylene
	PTFE
Fittings	Carbon Steel
	Stainless Steel
	Aluminum
	Polypropylene



All Midflex Composite Hoses are manufactured from the highest quality materials using a complete range of fabrics, films, and covers to protect against the aggressive media often found in today's marketplace. Call us today so that we can earn the right to be your preferred composite hose supplier.



END FITTING STYLES

Fittings are specifically designed and manufactured to join perfectly with the hose and are externally swaged or crimped for maximum holding power. Each assembly provides leak-free performance and is tested to 1½ times the rated working pressure to meet U.S.C.G. and IMO regulations and to ensure electrical continuity. Fittings are available in a variety of materials and configurations to address the requirements of each unique application.

Male Adapter



Female Coupler



Threaded NPT



ANSI 150# & 300#
Fixed/Floating Flanges



Manufacturing Plants

South Gate, California *Corporate Office*
Spring, Texas • Salisbury, North Carolina

Warehouse Locations

South Gate, California *Corporate Office*
Bolingbrook, Illinois • Houston, Texas • Stone Mountain, Georgia

Customer Service: 800-242-HOSE(4673)
Fax: 562-869-0592



www.titanindustries.com

