Cryogenic hoses

Our cryogenic hose is specially designed for the safe transfer of fully refrigerated liquefied petroleum gases and related products under pressure at negative temperatures.

The range of composite hose suitable for the safe handling and transfer of cryogenic products includes:

- *Cryogenics Code 933 is developed around the IMO standard for the transfer of acetaldehyde, ammonia, butadiene, butane, butane / propane mixtures, butylene, dimethylamine, ethyl chloride, ethylene, ethylene oxide, methyl acetylene-propadiene mixture, methyl bromide, methyl chloride, propane, propylene, refrigeration gases and vinyl chloride.*
- *Cryogenics Code 940 is developed around the AS/NZS 1869 standard for the transfer of Liquefied Natural Gas (LNG or methane), natural gas, town gas and liquid nitrogen.*

Australian Industry Standards

AS/NZ 1869 Title of Standard:
Hose and hose assemblies for liquefied petroleum gases, natural gas and town gas.

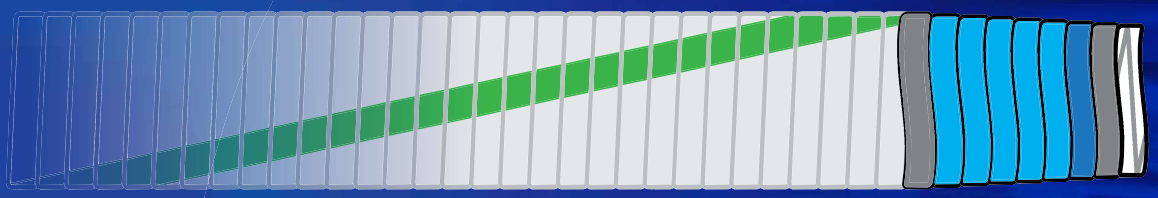
AS 1180 Title of Standard:
Methods of test for hose made from elastomeric materials.

International Industry Standards

IMO IGC CODE Title of Standard:
International code for the construction and equipment of ships carrying liquefied gases in bulk.

BS EN 13766 Title of Standard:
Thermoplastic multi-layer (non-vulcanised) hoses and hose assemblies for the transfer of liquid petroleum gas and liquefied natural gas-specification.

Cryogenics Code 933 SS



Construction

Inner Materials: *Polyamid films.*

Reinforcement: *Internal wire of stainless steel.*
External wire of stainless steel.

Outer Cover: *White Fabric with reflective green stripe .*

International Industry Standard

IMO BCH CODE

Test Pressure: *2 x working pressure*

Burst Pressure: 5 x working pressure

Temperature Range: -200 up to 50°C

Applications

Transfer hoses suitable for the delivery of gases, organic solvents and alkalines.

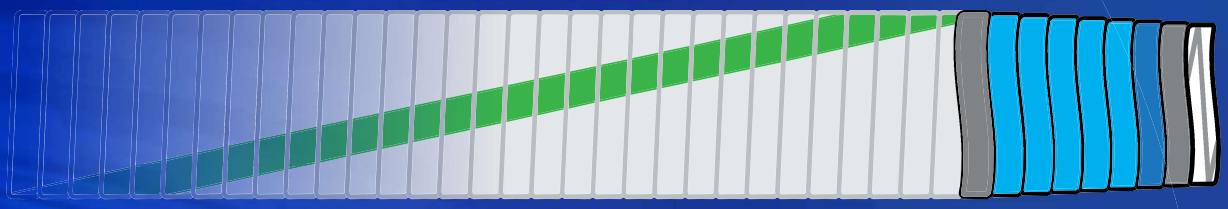
Refer to chemical resistance data for specific applications.

Product Number	Nominal ID		OD	Pressure Bar at 20°C as per AS IMO			Minimum Bend Radius	Weight	Standard Coil Length
	in	mm	mm	working	test	burst	mm	Kg/m	m
CH933-025	1	25	39	10.5	21	52.5	105	2.13	25
CH933-032	1 1/4	32	45	10.5	21	52.5	120	2.30	25
CH933-040	1 1/2	40	53	10.5	21	52.5	130	2.45	25
CH933-050	2	50	67	10.5	21	52.5	170	2.74	25
CH933-065	2 1/2	63	79	10.5	21	52.5	210	3.74	25
CH933-080	3	76	93	10.5	21	52.5	240	4.35	25
CH933-100	4	100	123	10.5	21	52.5	370	8.52	25
CH933-150	under development								

Note: Other coil lengths can be manufactured on request
Note: Rope lagging available for outside abrasion protection and improved insulation

- *Standard end connections used for these types of hoses are made of heavy wall Stainless Steel*
- *We developed our heavy wall series end connections to deal with the higher pressure ratings and some potential load on the hose*
- *Always check chemical compatibility for the inner and outer wire, the hose lining, the end connections and seals.*

Cryogenics Code 940 SS



Construction

Inner Materials: *Polyamid films.*

Reinforcement: *Internal wire of stainless steel.*
External wire of stainless steel.

Outer Cover: *White Fabric with reflective green stripe.*

Applications

Transfer hoses suitable for the delivery of gases, organic solvents and alkalines.

Refer to chemical resistance data for specific applications.

Australian Industry Standard

Complies with the AS / NZS1869

Class: *H*

Transfer hoses above 15mm ID

Test Pressure: *2 x working pressure*

Burst Pressure: 4 x working pressure

Temperature Range: -50 up to 65°C

Product Number	Nominal ID		OD	Pressure Bar at 20°C as per AS 1869			Minimum Bend Radius	Weight	Standard Coil Length
	in	mm	mm	working	test	burst	mm	Kg/m	m
CH940-025	1	25	39	25	50	100	105	2.13	25
CH940-032	1 1/4	32	45	25	50	100	120	2.30	25
CH940-040	1 1/2	40	53	25	50	100	130	2.45	25
CH940-050	2	50	67	25	50	100	170	2.74	25
CH940-065	2 1/2	63	79	25	50	100	210	3.74	25
CH940-080	3	76	93	25	50	100	240	4.35	25
CH940-100	4	100	123	21	42	84	370	8.52	25

Note: Other coil lengths can be manufactured on request
Note: Rope lagging available for outside abrasion protection and improved insulation

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- *Always check chemical compatibility for the inner and outer wire, the hose lining, the end connections and seals.*