



CODEMASTER™

Composite Hose

PLASTICOAT™ Ducting
CODEMASTER™ Composite Hose
REOMASTER™ Steel Reinforcement
MINEMASTER™ Mine Ventilation
PIPEMASTER™ PVC Pipe

Plascorp Pty Ltd is one of Australia's leading privately owned Manufacturing and Distribution Companies. Our product range comprises **Plasticoat™** - Industrial ducting, **Codemaster™** Composite hose, **Reomaster™** - Steel reinforcement, **Minemaster™** - Mine ventilation ducting and **Pipemaster™** - PVC pipes and fittings.

The Company's manufacturing history goes back over fifty years with the introduction of the Plasticoat range of industrial coatings and flexible ducting in the late fifties. Our Head Office and Manufacturing Centre in Chambers Road, Altona North, Victoria commenced operations in 1961 and has since grown to accommodate the ever evolving manufactured product range and now covers over three hectares.

In 2002, as our Australian network spread, we opened a second major Distribution Centre in Perth, WA. This is now located in Bassendean on an 8000 m² site and services an extensive customer base, on the West Coast. In 2010 we continued our company expansion into Brisbane's Northgate. In addition to our National customer base we have developed an important export market for a range of our products that are now sold throughout New Zealand, South East Asia, South Africa and the Middle East.

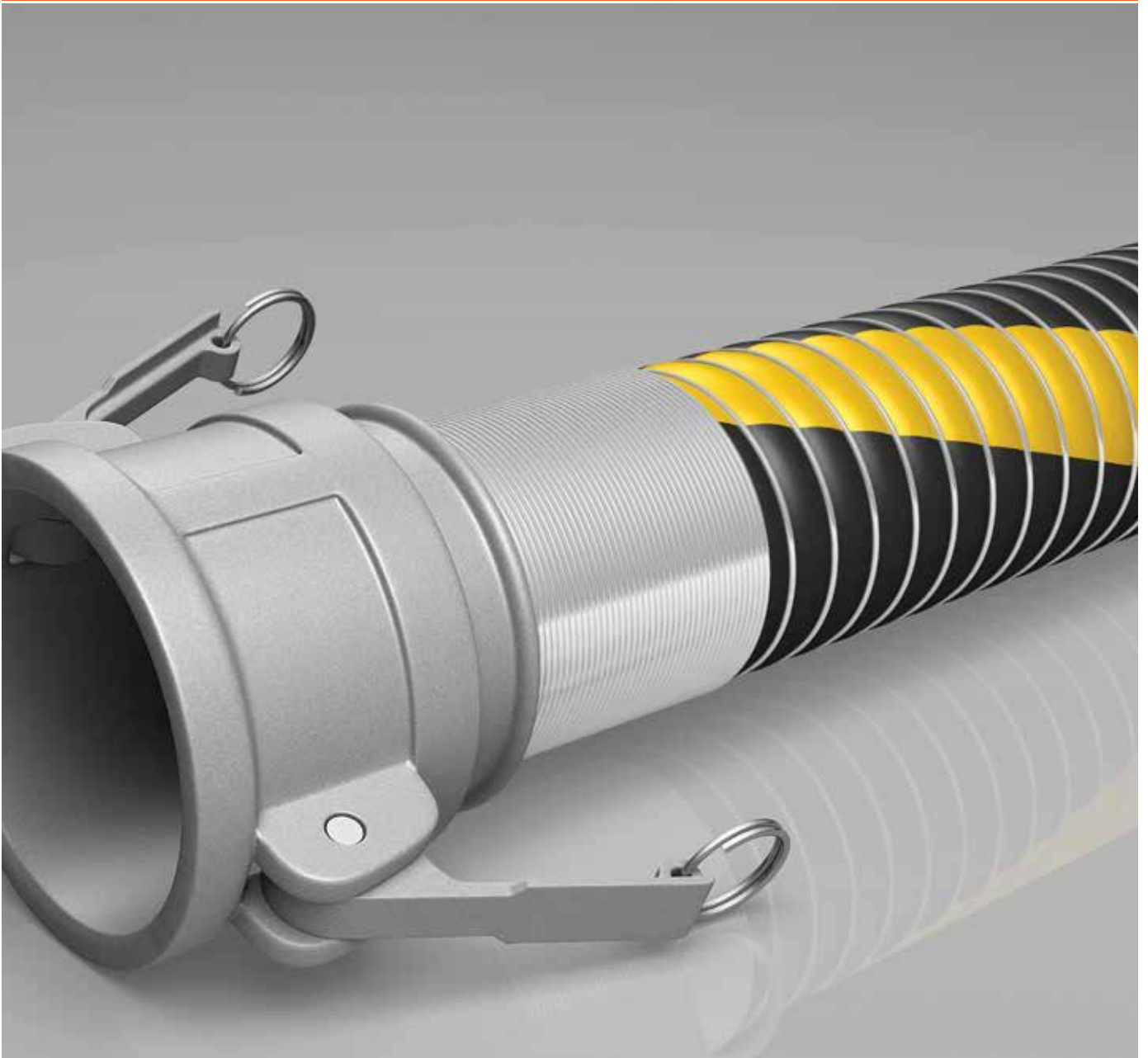
We are Associate members of many industry groups including The Australian Chamber of Manufacturers, The Association for Hose and Accessories Distribution (NAHAD). We are also certified to ISO 9001.

All our products are manufactured to the relevant Australian Standards and tested under strict quality control procedures. We hold numerous Standards Licences and our Steel Reinforcing products have achieved ACRS accreditation (Australian Certification Authority for Reinforcing Steel).

Being a privately owned Company we pride ourselves on our ability to supply solutions for customised product or service requests - no matter how difficult or how large or small such requests are. We have a dedicated and focused team at Plascorp that we believe gives us that all important point of difference.

CODEMASTER™ INTRODUCTION

PLASCORP™ HAS BEEN MANUFACTURING THERMOPLASTIC COMPOSITE HOSE FOR OVER 50 YEARS. THE PLASCORP™ COMPOSITE HOSE RANGE IS PREDOMINATELY USED WITH SUCTION & DELIVERY OF PETROLEUM BASED PRODUCTS, CHEMICALS, ACIDS AND ALKALIS. APPLICATIONS INCLUDE CHEMICAL PROCESS PLANTS, TRANSPORT TANKERS, REFINERIES AND OTHER INDUSTRIAL APPLICATIONS. THE PRODUCT IS AVAILABLE THROUGH AN EXTENSIVE DISTRIBUTION NETWORK. OUR COMPOSITE HOSE CONSTRUCTION RESULTS IN A LIGHT AND FLEXIBLE HOSE WITH A RELATIVELY SHORT BEND RADIUS, SUITABLE FOR A WIDE VARIETY OF USES.



PETROMASTER RANGE AS 2683-2000

THE AS 2683-2000 PETROMASTER RANGE IS DESIGNED AND MANUFACTURED SPECIFICALLY FOR THE DEMANDS OF THE PETRO-CHEMICAL INDUSTRY. THE POLYPROPYLENE FILM AND FABRIC CONSTRUCTION HANDLES HYDROCARBON BASED PRODUCTS. THE INTERNAL AND EXTERNAL WIRE HELIX WIRES DELIVER THE PRESSURE HANDLING CHARACTERISTICS AND A TOUGH PVC COATED FABRIC FORMS THE OUTER COVER.

Description	Code	Type	Conforming Standard	Grade	Elec Kind	Max working pressure (kPa @ ambient temp)								
						3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	6
Petrol Master Std Green with reflective yellow stripe	1000	1	AS 2683-2000	3	1	*	700	700	700	700	700	700	700	700
Petrol Master HD Black with no stripe	901	1	AS 2683-2000	3	1	-	1400	1400	1400	1400	1000	1000	1000	1000
Petrol Master LW Yellow with reflective green stripe	1003	1	AS 2683-2000	3	1	-	-	-	-	600	500	500	400	*
Aviation Hose Black with green stripe	AVA	1	AS 2683-2000	3	1	*	*	*	700	700	*	700	700	*
Vapour Recovery Hose Black with yellow stripe	VRH	1	AS 2683-2000	3	1	-	-	-	-	*	*	*	400	*
Hot Bitumen White with no stripe	966	2	AS 2475	2	1	700	700	700	700	600	500	500	-	-

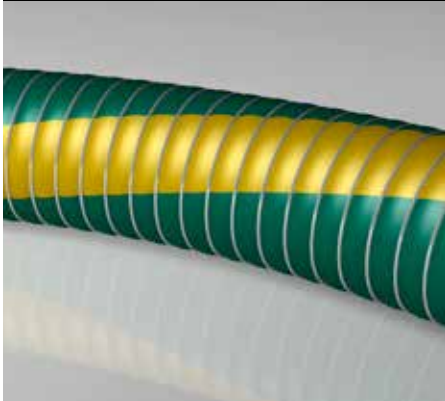
Type 1 hose is designed for suction and discharge and to be non-collapsible.
Type 2 hose is designed for discharge only and to be non-collapsible.

Grade refers to the hose suitability to handle aromatic hydrocarbon content in fuels.
Grade 1 hose is suitable for fuels containing up to 30% aromatic hydrocarbon content.
Grade 2 hose is suitable for fuels containing up to 50% aromatic hydrocarbon content.
Grade 3 hose is suitable for fuels containing over 50% aromatic hydrocarbon content.

Kind 1 hose has an electrical resistance not greater than 1.0 ohm/m

*Hoses and test pressures available on request

PETROMASTER STANDARD / Type 1 / Grade 3 / Kind 1
CODE 1000



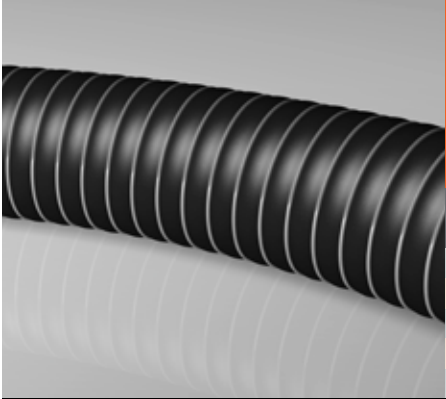
APPLICATIONS: Light weight, flexible hose designed for suction and delivery of petroleum based products. Suitable for road and rail tankers.
Internal wire - Galvanised steel.
External wire - Galvanised steel.
AS 2683-2000

Nom Inches	I.D. (mm)	O.D. (mm)	Min. Bend Radius (mm)	Working Pressure kPa@20°C	Weight (kg/m)	Coil Length (m)
1	25	32	60	700	0.8	20
1 1/4	32	38	75	700	1.0	20
1 1/2	39	48	75	700	1.3	20
2	51	63	90	700	1.6	20
2 1/2	63	75	100	700	2.4	20
3	76	90	125	700	2.8	20
4	102	112	200	700	4.1	20
6	152	170	400	700	7.8	to order

Colour / Green with Yellow Stripe.
Temperature Range / - 30°C to +80°C



PETROLMASTER HEAVY DUTY / Type 1 / Grade 3 / Kind 1 **CODE 901**

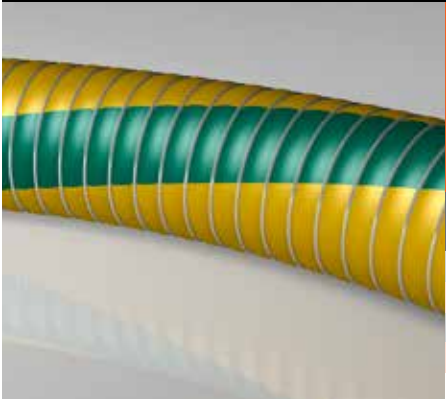


APPLICATIONS: Used for ship to shore and general purpose heavy duty applications conveying petroleum products. Suitable for heavy duty discharge for road and rail tankers, docks, ship to shore.
 Internal wire - Galvanised steel.
 External wire - Galvanised steel.
 AS 2683-2000

Nom Inches	I.D. (mm)	O.D. (mm)	Min. Bend Radius (mm)	Working Pressure kPa@20°C	Weight (kg/m)	Coil Length (m)
1	25	35	100	1400	0.9	20
1 ¹ / ₄	32	42	125	1400	1.3	20
1 ¹ / ₂	39	50	140	1400	1.5	20
2	51	65	170	1400	1.9	20
2 ¹ / ₂	63	76	200	1000	3.0	20
3	76	90	270	1000	3.4	20
4	102	120	340	1000	6.5	20
6	152	180	700	1000	12.4	to order

Colour / Black.
Temperature Range / - 30°C to +80°C

PETROLMASTER LIGHTWEIGHT / Type 1 / Grade 3 / Kind 1 **CODE 1003**



APPLICATIONS: Super light weight hose for suction and delivery of petroleum based products where ease of handling is paramount.
 Internal wire - Aluminium.
 External wire - Galvanised steel.
 AS 2683-2000

Nom Inches	I.D. (mm)	O.D. (mm)	Min. Bend Radius (mm)	Working Pressure kPa@20°C	Weight (kg/m)	Coil Length (m)
2	51	63	90	600	1.25	20
2 ¹ / ₂	63	75	100	500	1.75	20
3	76	90	125	500	2.0	20
4	102	112	200	400	2.5	20

Colour / Yellow with Green Stripe.
Temperature Range / - 30°C to +80°C

AVIATION HOSE / Type 1 / Grade 3 / Kind 1 **CODE AVA**




APPLICATIONS: Specially designed for the suction and delivery of aviation fuel.
 Internal wire - Stainless steel.
 External wire - Galvanised steel.
 AS 2683-2000

Nom Inches	I.D. (mm)	O.D. (mm)	Min. Bend Radius (mm)	Working Pressure kPa@20°C	Weight (kg/m)	Coil Length (m)
1 ¹ / ₂	39	48	75	700	1.3	20
2	51	63	90	700	1.6	20
3	76	90	125	700	2.8	20
4	102	112	200	700	4.1	20

Colour / Black with Green Stripe.
Temperature Range / - 30°C to +80°C



VAPOUR RECOVERY HOSE / Type 1 / Grade 3 / Kind 1 **CODE VRH**

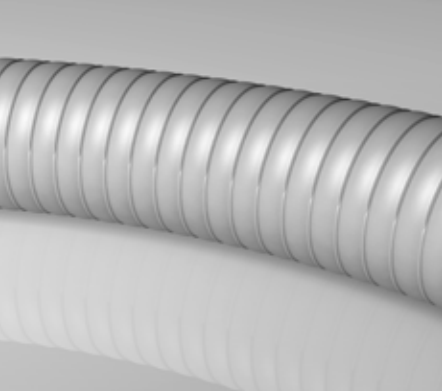


APPLICATIONS: Suitable for the collection or transfer of hydrocarbon vapours within the petroleum industry. Complies with AS2683-2000
 Internal wire - Galvanised steel.
 External wire - Galvanised steel.
 AS 2683-2000

Nom Inches	I.D. (mm)	O.D. (mm)	Min. Bend Radius (mm)	Working Pressure kPa@20°C	Weight (kg/m)	Coil Length (m)
4	102	112	200	400	4.1	20

Colour / Black with Yellow Stripe.
Temperature Range / - 30°C to +80°C

HOT BITUMEN HOSE / Type 2 / Grade 2 / Kind 1 **CODE 966**



APPLICATIONS: Manufactured from polyester film and fabric designed for high temperature operation, this hose is ideal for the transfer of hot bitumen via gravity, suction or pressure. This hose is suitable for use with bitumen up to 180 °C. It is ideally suited for road tanker loading and discharge, in plant transfer, spraying and spray bar applications. This hose is also suitable for conveying high aromatic content fuels.
 Internal wire - Galvanised steel.
 External wire - Stainless steel.

Note: This hose is not recommended for use close to direct external radiant heat as the cover is not flame retardant. Hoses should be flushed with diesel or kerosene after use. Cleaning with steam or direct external heat is not recommended.
 AS 2475-1001

Nom Inches	I.D. (mm)	O.D. (mm)	Min. Bend Radius (mm)	Working Pressure kPa@20°C	Weight (kg/m)	Coil Length (m)
3/4	19	28	125	700	0.8	20
1	25	35	125	700	0.9	20
1 1/4	32	43	130	700	1.0	20
1 1/2	39	50	150	700	1.5	20
2	51	68	200	600	2.0	20
2 1/2	63	78	250	500	2.8	20
3	76	90	280	500	3.5	20

Colour / White.
Temperature Range / - 30°C to +180°C



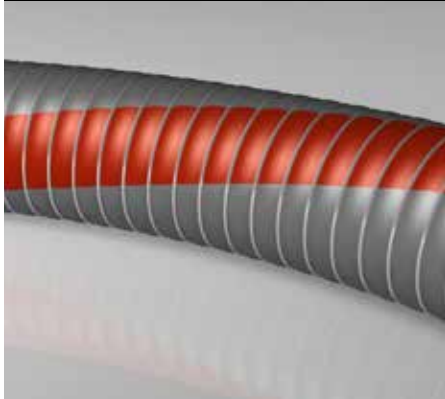
CHEMFLOW RANGE AS 2594-1983

CHEMFLOW AS 2594-1983 RANGE IS SUITABLE FOR THE SUCTION AND DELIVERY OF A WIDE RANGE OF CHEMICALS. CONSTRUCTED OF POLYPROPYLENE FILMS AND FABRICS, THE HOSES ARE RESISTANT TO MOST ACIDS, ALKALIS AND SOLVENTS. INTERNAL AND EXTERNAL HELIX WIRES BIND THE HOSE TOGETHER AND DELIVER ITS PRESSURE HANDLING CHARACTERISTICS AND A TOUGH PVC COATED FABRIC COVER FORMS THE OUTER COVER. A NUMBER OF DIFFERENT INTERNAL AND EXTERNAL WIRE COMBINATIONS ARE AVAILABLE DEPENDING ON CHEMICAL RESISTANCE REQUIREMENTS AND THE MATERIAL BEING CONVEYED. PLEASE CONSULT WITH YOUR SUPPLIER FOR COMPATIBILITY.

Description	Code	Type	Conforming Standard	Max working pressure (kPa @ ambient temp) inch									
				3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	6	
Chemiflow Std Grey with red stripe	951	1	AS 2594-1983	*	1400	1400	1400	1200	1000	1000	1000	1000	1000
Chemiflow SSW Grey with blue stripe	952	1	AS 2594-1983	*	1400	1400	1400	1200	1000	1000	1000	1000	1000
Chemiflow CS Orange	969	1	AS 2594-1983	*	1400	1400	1400	1200	1000	1000	1000	1000	1000
Chemiflow ASS Orange with blue stripe	ASS	1	AS 2594-1983	*	1400	1400	1400	1200	1000	1000	1000	1000	1000
Chemiflow PTSS Red with white stripe	2200	1	AS 2594-1983	-	*	-	*	1200	*	1000	1000	*	*

Type 1 hose is designed for suction and discharge and to be non-collapsible.

CHEMFLOW STANDARD / Type 1 CODE 951



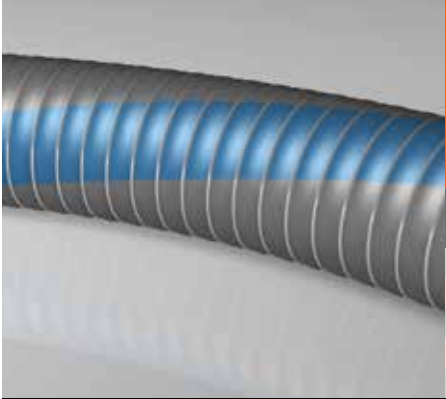
Internal wire - PP coated Galvanised steel.
External wire - Galvanised steel.
AS 2594-1983

Nom Inches	I.D. (mm)	O.D. (mm)	Min. Bend Radius (mm)	Working Pressure kPa@20°C	Weight (kg/m)	Coil Length (m)
1	25	38	100	1400	0.9	20
1 1/4	32	45	125	1400	1.3	20
1 1/2	39	50	140	1400	1.5	20
2	51	65	170	1200	1.8	20
2 1/2	63	78	200	1000	2.7	20
3	76	92	270	1000	3.3	20
4	102	120	340	1000	6.3	20

Colour / Grey with Red Stripe.
Temperature Range / - 30°C to +100°C



CHEMIFLOW SSW / Type 1 **CODE 952**

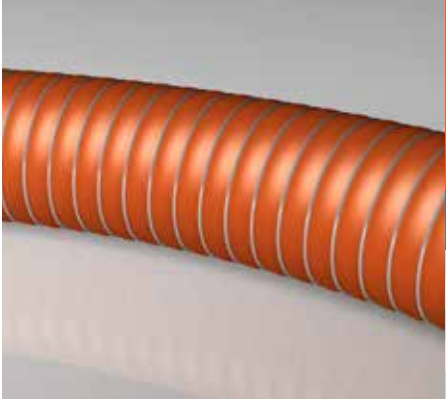


Internal wire - PP coated Galvanised steel.
External wire - Stainless steel.
AS 2594-1983

Nom Inches	I.D. (mm)	O.D. (mm)	Min. Bend Radius (mm)	Working Pressure kPa@20°C	Weight (kg/m)	Coil Length (m)
1	25	38	100	1400	0.9	20
1 ¹ / ₄	32	45	125	1400	1.3	20
1 ¹ / ₂	39	50	140	1400	1.5	20
2	51	65	170	1200	1.8	20
2 ¹ / ₂	63	78	200	1000	2.7	20
3	76	92	270	1000	3.3	20
4	102	120	340	1000	6.3	20

Colour / Grey with Blue Stripe.
Temperature Range / - 30°C to +100°C

CHEMIFLOW CS / Type 1 **CODE 969**

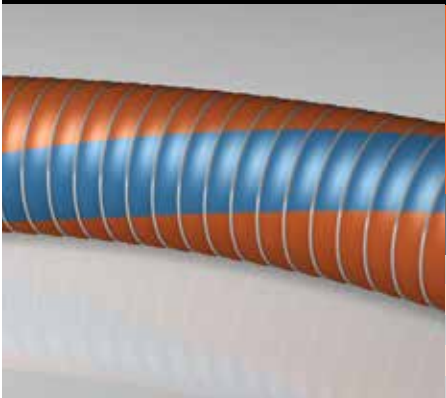


Internal wire - Stainless steel.
External wire - Galvanised steel.
AS 2594-1983

Nom Inches	I.D. (mm)	O.D. (mm)	Min. Bend Radius (mm)	Working Pressure kPa@20°C	Weight (kg/m)	Coil Length (m)
1	25	38	100	1400	0.9	20
1 ¹ / ₄	32	45	125	1400	1.3	20
1 ¹ / ₂	39	50	140	1400	1.5	20
2	51	65	170	1200	1.8	20
2 ¹ / ₂	63	78	200	1000	2.7	20
3	76	92	270	1000	3.3	20
4	102	120	340	1000	6.3	20
6	152	180	700	1000	12.4	to order

Colour / Orange.
Temperature Range / - 30°C to +100°C

CHEMIFLOW / Type 1 **CODE ASS**



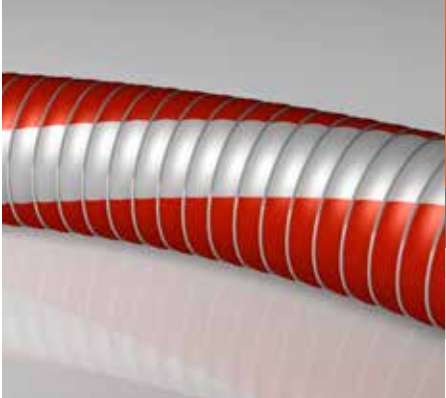
Internal wire - Stainless steel.
External wire - Stainless steel.
AS 2594-1983

Nom Inches	I.D. (mm)	O.D. (mm)	Min. Bend Radius (mm)	Working Pressure kPa@20°C	Weight (kg/m)	Coil Length (m)
1	25	38	100	1400	0.9	20
1 ¹ / ₂	39	50	140	1400	1.5	20
2	51	65	170	1200	1.8	20
2 ¹ / ₂	63	78	200	1000	2.7	20
3	76	92	270	1000	3.3	20
4	100	120	340	1000	6.3	20
6	152	180	700	1000	12.4	to order

Colour / Orange with Blue Stripe.
Temperature Range / - 30°C to +100°C



CHEMIFLOW PTSS / Type 1
CODE 2200

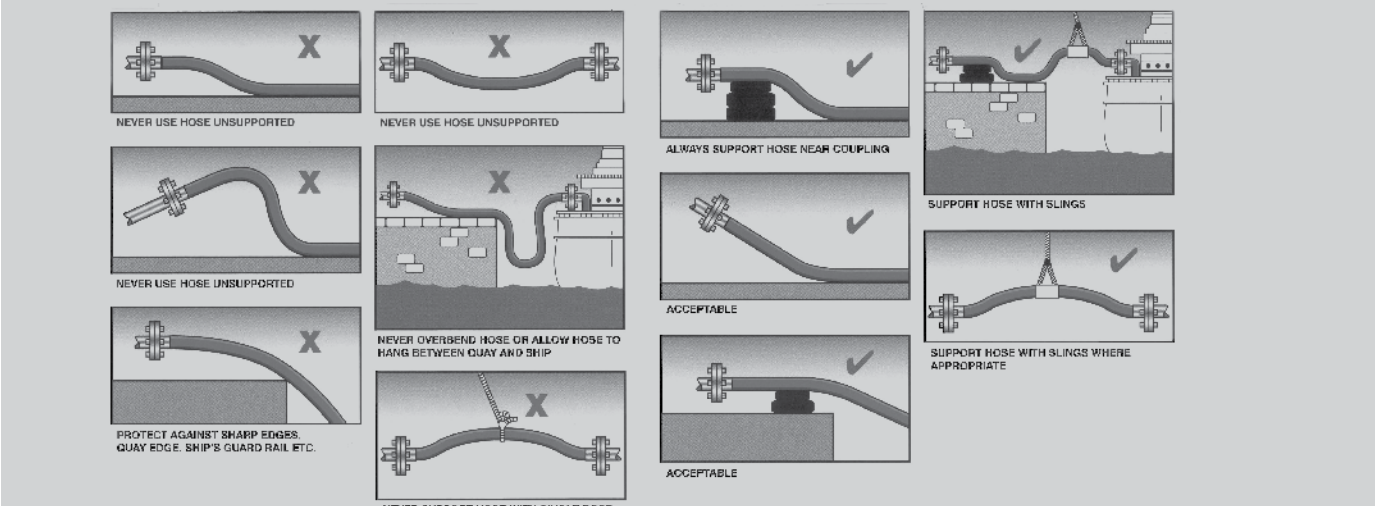


APPLICATIONS: PTFE lined for increased resistance to aggressive chemicals. Heavy duty (Code 2201) and Lightweight (Code 2203) available upon request. Internal wire - Stainless steel. External wire - Stainless steel. AS 2594-1983

Nom Inches	I.D. (mm)	O.D. (mm)	Min. Bend Radius (mm)	Working Pressure kPa@20°C	Weight (kg/m)	Coil Length (m)
2	51	65	175	1200	1.8	20
3	76	92	300	1000	3.3	20
4	102	120	350	1000	6.3	20

Colour / Red with White Stripe.
Temperature Range / - 30°C to +100°C

INCORRECT & CORRECT USAGE



NEVER USE HOSE UNSUPPORTED (Multiple instances)

NEVER OVERBEND HOSE OR ALLOW HOSE TO HANG BETWEEN QUAY AND SHIP

PROTECT AGAINST SHARP EDGES. QUAY EDGE, SHIP'S GUARD RAIL ETC.

NEVER SUPPORT HOSE WITH SINGLE ROPE

ALWAYS SUPPORT HOSE NEAR COUPLING

ACCEPTABLE (Multiple instances)

SUPPORT HOSE WITH SLINGS

SUPPORT HOSE WITH SLINGS WHERE APPROPRIATE

ROPE LAGGING

All hoses can be supplied with polypropylene rope lagging. It is necessary to specify at time of ordering. Lagging insulates and protects the hose from abrasion but doubles the bend radius of the hose.

Nom Inches	Nom Diameter (mm)	Rope Diameter (mm)
1	25	8
1 ¹ / ₄	32	8
1 ¹ / ₂	39	8
2	51	8
2 ¹ / ₂	63	10
3	76	10
4	102	10
6	152	12



HOSE ASSEMBLIES

Due to the often hazardous conveyance used, it is recommended that composite hoses should only be used with properly fixed fittings. Composite hoses are normally fitted by the wire whipped method or by external crimp. All hoses have a 6 to 1 pressure safety factor.

FITTINGS

A wide range of fittings can be supplied such as Camlocks, BSP fittings, flanges etc. Consult with your hose supplier for the right type of fitting for your application.

TESTINGS

All hose assemblies must be pressure tested hydrostatically (Petrol @ 2 x max working pressure; Chemical @ 1.5 x max working pressure) and electrically tested to confirm continuity per AS2683/AS2594/AS1180. Hose tag attached for proof of testing.



WIRE WHIPPED



CRIMPED

TEST TAG

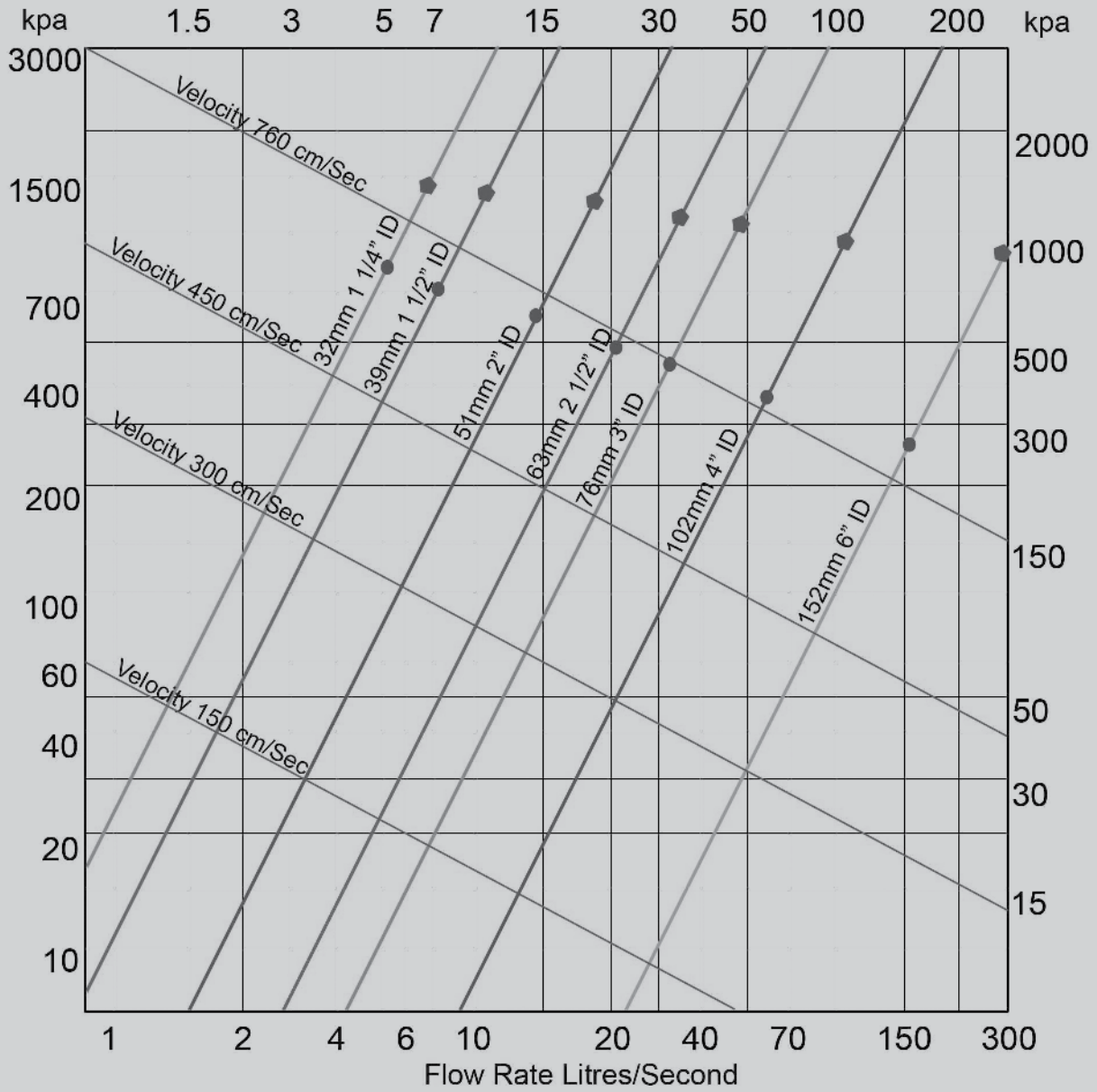


NBR SCUFF PROTECTION RING

The rubber ring provides protection of the hose from wear and tear as well as elevates it above the ground, reducing possible contact with chemicals. Available for 2", 3" and 4" hoses.



PRESSURE LOSS FLOW CHART



For Open End Flow

- = Max obtainable Petrol Codes 1000 & 1003
- ◆ = Max on Petrol Code 901 & Chemical Codes 951/952/969

PRESSURE LOSS WATER AT AMBIENT TEMP 20°C AND 9m LENGTHS.

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