CD1000 – COMPOSITE HOSE

Product Overview

CD1000 Composite Hose is manufactured from polypropylene fabrics and films with an abrasion-resistant PVC coated fabric cover.

The hose is reinforced with internal and external wire helices and includes a barrier layer suitable for 100% aromatic hydrocarbons.

Designed primarily for suction and discharge of petroleum products in road and rail tanker applications, CD1000 offers excellent flexibility, durability, and vacuum performance for demanding industrial environments.

Construction

Component	Material
Inner Wire	Galvanised zinc coated mild steel
Lining	Polypropylene Fabric
Outer Cover	PVC Coated Terylene Weave Fabric
Colour Code	Green / Blue outer cover with white stripe
Outer Wire	Galvanised zinc coated mild steel

Applications

- Petroleum tanker loading and unloading
- Road tanker transfer
- Rail tanker transfer
- Fuel gantry operations
- Industrial hydrocarbon transfer

Key Features

- Suitable for petroleum product transfer
- Reinforced with internal and external wire helices
- Abrasion-resistant PVC coated outer cover
- Excellent flexibility and vacuum capability
- Barrier layer suitable for 100% aromatic hydrocarbons
- Manufactured to AS 2683 and EN 13765 Type 2 standards
- Available with stainless steel outer wire option (CD1000-S)

Burst Pressure

Minimum Burst Pressure:

28 bar (4:1 safety factor) to EN 13765

42 bar (6:1 safety factor) to AS 2683

Temperature Range

Minimum Temp	Maximum Temp
-30°C	+80°C

Standards

AS 2683 Type 1, Grades 1, 2 & 3

Manufactured to EN 13765 Type 2 where applicable

Not recommended for aviation fuel applications due to possible contamination from zinc flakes.

Product Code	I.D. (mm)	I.D. (in)	Working Pressure (psi)	Working Pressure (bar)	Bend Radius (mm)	Weight (kg/m)	Roll Length (mt)
CD-100025	25	1	100	7	50	1	30
CD-100038	38	1.5	100	7	75	1.4	30
CD-100050	50	2	100	7	80	1.55	30
CD-100065	65	2.5	100	7	90	2.4	30
CD-100075	75	3	100	7	125	2.95	30
CD-1000100	100	4	100	7	220	3.9	30

CODE 1003 – COMPOSITE HOSE

Description

Code 1003 is a lightweight composite suction and discharge hose designed primarily for the transfer of petroleum products by road and rail tankers.

Manufactured from polypropylene fabrics and films with an abrasion-resistant PVC coated fabric cover, the hose incorporates an internal and external wire helix for strength and flexibility.

The aluminium inner wire reduces overall hose weight, making handling easier while maintaining excellent flexibility. A barrier layer provides compatibility with 100% aromatic hydrocarbons.

Construction

Component	Material
Inner Wire	Aluminium
Lining	Polypropylene Fabric
Outer Cover	PVC Coated Terylene Weave Fabric
Colour Code	Yellow outer cover with white stripe
Outer Wire	Galvanized zinc coated mild steel

Applications

- Road tanker fuel transfer
- Rail tanker loading and unloading
- Petroleum product suction and discharge
- Aviation fuel applications
- Industrial hydrocarbon transfer

Key Features

- Lightweight construction for easier handling
- Suitable for petroleum and fuel transfer applications
- Barrier layer for 100% aromatic hydrocarbons
- Abrasion-resistant PVC coated outer cover
- Flexible design with internal and external wire helix
- Electrical resistance <1.0 Ω/m for all sizes (AS2683)
- Manufactured to AS 2683 Type 1, Grades 1, 2 & 3
- Also manufactured to EN 13765 Type 1 where applicable

Temperature Range

-20°C to +60°C

Burst Pressure

Minimum Burst Pressure:

6 TIMES WORKING PRESSURE

50 psi × 6 = 300 psi

4 bar × 6 = 24 bar

Standards

AS 2683 Type 1, Grades 1, 2 & 3

EN 13765 Type 1 (where applicable)

Product Code	I.D. (mm)	I.D. (in)	Working Pressure (psi)	Working Pressure (bar)	Bend Radius (mm)	Weight (kg/m)	Roll Length (mt)
CD-1003075	75	3	50	4	115	2.2	30
CD-10030100	100	4	50	4	200	3	30

VRH – VAPOR RECOVERY COMPOSITE HOSE

Description

VRH is a composite hose manufactured from polypropylene fabrics and films with an abrasion-resistant PVC-coated fabric cover.

The hose is reinforced with both internal and external wire helices and includes a barrier layer for 100% aromatic hydrocarbons.

Designed specifically for vapor recovery systems within the petroleum industry, VRH is suitable for the transfer of hydrocarbon vapours.

Construction

Component	Material
Inner Wire	Galvanized zinc coated mild steel
Lining	Polypropylene Fabric
Outer Cover	PVC Coated Terylene Weave Fabric
Colour Code	Black outer cover with yellow stripe
Outer Wire	Galvanized zinc coated mild steel

Principal Applications

- Hydrocarbon vapour transfer
- Petroleum industry vapour recovery systems
- Aromatic hydrocarbon handling

Key Features

- Composite vapour recovery hose
- Excellent flexibility
- Abrasion-resistant outer cover
- Internal and external wire helix reinforcement
- Suitable for aromatic hydrocarbons
- Vacuum capable
- Lightweight construction
- High flexibility for petroleum transfer systems

Temperature Range

-20°C to +60°C

Burst Pressure

Minimum Burst Pressure:

6 TIMES WORKING PRESSURE

21 psi × 6 = 126 psi

1.5 bar × 6 = 9 bar

Standards

AS 2683 Type 1, Grades 1, 2 & 3

Manufactured to EN 13765 Type 1 specifications where applicable

Product Code	I.D. (mm)	I.D. (in)	Working Pressure (psi)	Working Pressure (bar)	Bend Radius (mm)	Weight (kg/m)	Roll Length (mt)
CD-VRH100	100	4	21	1.5	200	3.1	20

CODE 901 – COMPOSITE HOSE

Description

Code 901 composite hose is manufactured from polypropylene fabrics and films with an abrasion-resistant PVC coated fabric cover, reinforced with both internal and external wire helices.

The hose incorporates a barrier layer suitable for 100% aromatic hydrocarbons and can also be supplied with rope lagging for additional external protection where required.

Principal Applications

Designed for suction and discharge transfer of petroleum products in-plant, the Code 901 hose is ideal for bottom loading and light-duty dockside applications.

It is also suitable for conveying tallow and high aromatic hydrocarbons.

Construction

Component	Material
Inner Wire	Galvanised zinc coated mild steel
Lining	Polypropylene Fabric
Outer Cover	PVC Coated Terylene Weave Fabric
Colour Code	Black with white stripe
Outer Wire	Galvanised zinc coated mild steel

Temperature Range

-30°C to +80°C depending on conveyed media.

Burst Pressure

Minimum burst pressure: **4 x working pressure**

Safety factor: **6:1** compliant to AS2683

Standards

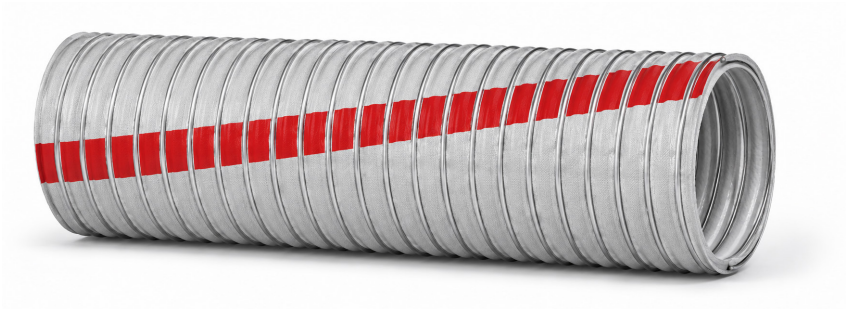
AS 2683 Type 1, Grades 1, 2 & 3

AS 2117 Type 2, Grades 1 & 2

Manufactured to specifications applicable to EN 13765 Type 2

Product Code	I.D. (mm)	I.D. (in)	Working Pressure (psi)	Working Pressure (bar)	Bend Radius (mm)	Weight (kg/m)	Roll Length (mt)
CD-90125	25	1	150	10	90	1	30
CD-90138	38	1.5	150	10	120	1.6	30
CD-90150	50	2	150	10	150	2	30
CD-90165	65	2.5	150	10	180	2.7	30
CD-90175	75	3	150	10	250	3.2	30
CD-901100	100	4	150	10	350	5.3	30

CODE 951 – COMPOSITE HOSE



Description

Composite hose manufactured from polypropylene fabrics and films with an abrasion-resistant PVC coated fabric cover, reinforced with internal and external wire helices.

Construction

Component	Material
Inner Wire	Polypropylene coated steel wire
Lining	Polypropylene Fabric
Outer Cover	PVC coated Terylene Weave Fabric
Colour Code	Grey outer cover with red or blue stripe
Outer Wire	Galvanised zinc coated mild steel

Principal Applications

Code 951 is suitable for the transfer of acids and alkalines.

Burst Pressure

Minimum burst pressure: 4 times working pressure (600 psi / 40 bar)

Standards

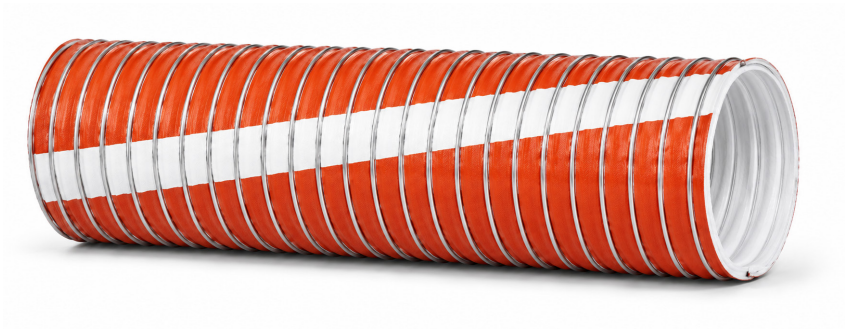
Manufactured to specifications applicable to EN 13765 Type 1 & 2 (depending on fittings).

Note: Electrical continuity can be maintained for this hose by baring the inner wire (i.e. removing the polypropylene coating) near the fitting to allow positive connection of the wire to the fitting.

This process however may introduce a potential corrosion path to the inner wire so care needs to be taken.

Product Code	I.D. (mm)	I.D. (in)	Working Pressure (psi)	Working Pressure (bar)	Bend Radius (mm)	Weight (kg/m)	Roll Length (mt)
CD-95125	25	1	150	10	90	1.3	30
CD-95138	38	1.5	150	10	125	1.6	30
CD-95150	50	2	150	10	160	2	30
CD-95165	65	2.5	150	10	180	2.7	30
CD-95175	75	3	150	10	220	3.5	30
CD-951100	100	4	150	10	350	5	30

CODE 969 – COMPOSITE HOSE



Description

Composite hose manufactured from polypropylene fabrics and films with an abrasion-resistant PVC coated fabric cover, reinforced with internal and external wire helices.

Hose can also be supplied with rope lagging for additional external protection if required.

Principal Applications

Suitable for the transfer of various acids and alkaline products where the conveyed media may be corrosive to galvanised inner wire.

Construction

Component	Material
Inner Wire	SS316L
Lining	Polypropylene Fabric
Outer Cover	PVC Coated Terylene Weave Fabric
Colour	Orange Cover with White Stripe
Outer Wire	Galvanised Zinc Coated Mild Steel

Temperature Range

-30°C to +80°C depending on conveyed media.

Burst Pressure

Minimum burst pressure:

4 x working pressure.

Standards

Manufactured to specifications where applicable to EN 13765 Type 2.

Product Code	I.D. (mm)	I.D. (in)	Working Pressure (psi)	Working Pressure (bar)	Bend Radius (mm)	Weight (kg/m)	Roll Length (mt)
CD-96925	25	1	150	10	90	1	30
CD-96938	38	1.5	150	10	120	1.6	30
CD-96950	50	2	150	10	150	2	30
CD-96965	65	2.5	150	10	180	2.7	30
CD-96975	75	3	150	10	250	3.2	30
CD-969100	100	4	150	10	350	5.3	30