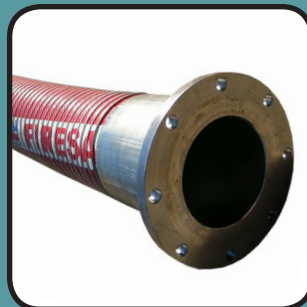
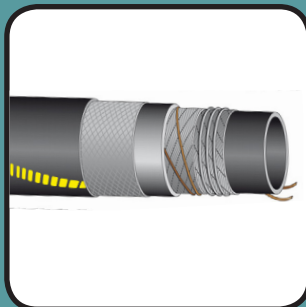
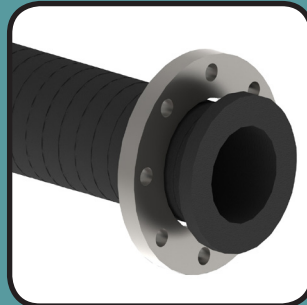
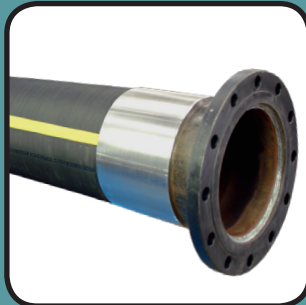




04



**RUBBER & COMPOSITE HOSE**

## The Range

### RUBBER HOSE - INDUSTRIAL

Size : 1/4" to 24"

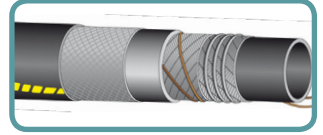
Page 106



### RUBBER HOSE - INDUSTRIAL OFFSHORE

Size : 2" to 12"

Page 124



### RUBBER HOSE - LPG / GAS

Size : 1/2" to 4"

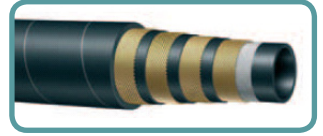
Page 129



### RUBBER HOSE - HYDRAULIC

Size : 3/16" to 4"

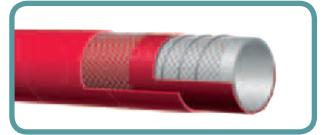
Page 131



### RUBBER HOSE - HYGIENIC FOOD GRADE

Size : 1/2" to 4 5/16"

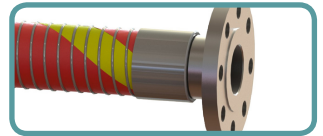
Page 137



### COMPOSITE HOSE

Size : 3/4" to 12"

Page 134



## Rubber Hose - Industrial

### Multipurpose

**Part No.:** IH-RMP

**Colour:** Red

**Tube:** Black smooth Nitrile rubber, resistant to 55% aromatic content

**Cover:** Red smooth extruded rubber, abrasion & weather resistant

**Reinforcement:** Braided Synthetic Cord

**Size Available:** 5mm - 51mm

**Temperature:** -25°C +100°C

|                     | Low                   | Med                              | High                             |
|---------------------|-----------------------|----------------------------------|----------------------------------|
| Flexibility         | <input type="radio"/> | <input type="radio"/>            | <input checked="" type="radio"/> |
| Cycle Life          | <input type="radio"/> | <input type="radio"/>            | <input checked="" type="radio"/> |
| Pressure Rating     | <input type="radio"/> | <input checked="" type="radio"/> | <input type="radio"/>            |
| Chemical Resistance | <input type="radio"/> | <input checked="" type="radio"/> | <input type="radio"/>            |
| Wall Thickness      | <input type="radio"/> | <input checked="" type="radio"/> | <input type="radio"/>            |

### Construction

#### Use:

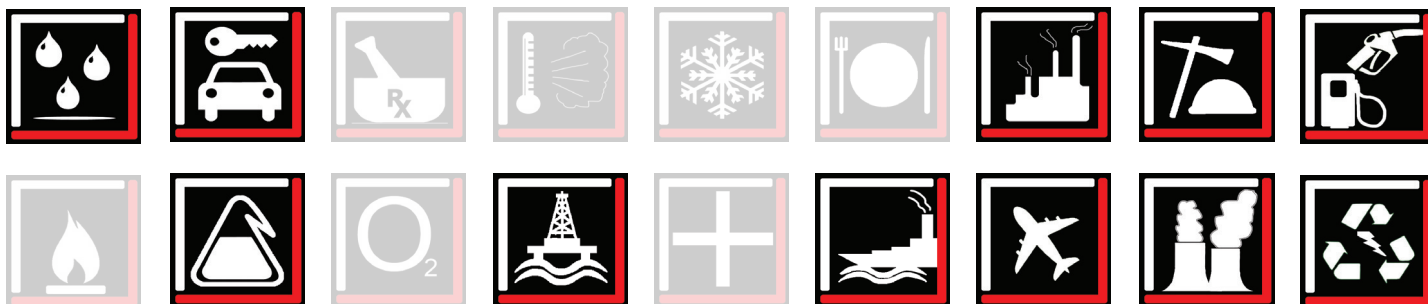
This high quality multi-purpose hose is suitable for conveying air, water, oil, petroleum and various chemicals.



### Specifications

| Part Number | Nominal Dia. |          | Working Pressure |      | Weight |
|-------------|--------------|----------|------------------|------|--------|
|             | I.D (mm)     | O.D (mm) | Bar              | kPa  | Kg/M   |
| IH-RMP-05   | 5            | 12       | 20               | 2000 | 0.16   |
| IH-RMP-06   | 6            | 13       | 20               | 2000 | 0.17   |
| IH-RMP-08   | 8            | 15       | 20               | 2000 | 0.20   |
| IH-RMP-10   | 10           | 17       | 20               | 2000 | 0.24   |
| IH-RMP-12   | 12           | 21       | 20               | 2000 | 0.34   |
| IH-RMP-16   | 16           | 26       | 20               | 2000 | 0.53   |
| IH-RMP-19   | 19           | 29       | 20               | 2000 | 0.60   |
| IH-RMP-25   | 25           | 36       | 20               | 2000 | 0.80   |
| IH-RMP-32   | 32           | 44       | 14               | 1400 | 1.28   |
| IH-RMP-38   | 38           | 53       | 14               | 1400 | 1.49   |
| IH-RMP-51   | 51           | 63       | 10               | 1000 | 1.65   |

### Applications





# RUBBER & COMPOSITE HOSE

## Rubber Hose - Industrial

### Yellow Air

**Part No.:** IH-RYA

**Colour:** Yellow

**Tube:** Black smooth synthetic rubber, oil mist resistant

**Cover:** Yellow smooth synthetic rubber, abrasion and weather resistant

**Reinforcement:** Plies of high strength synthetic cord

**Size Available:** 19mm - 102mm

**Temperature:** -35°C +70°C

Low | Med | High

Flexibility ☐ ☐ ☒

Cycle Life ☐ ☐ ☒

Pressure Rating ☐ ☒ ☐

Chemical Resistance ☐ ☒ ☐

Wall Thickness ☐ ☐ ☒

### Construction

#### Use:

Heavy duty mandrel built air supply line. The safety yellow cover makes it ideal for use in underground mining, hire and construction applications.



### Specifications

| Part Number | Nominal Dia. |          | Working Pressure |      | Weight |
|-------------|--------------|----------|------------------|------|--------|
|             | I.D (mm)     | O.D (mm) | Bar              | kPa  | Kg/M   |
| IH-RYA-19   | 19           | 31       | 20               | 2000 | 0.71   |
| IH-RYA-25   | 25           | 35       | 20               | 2000 | 0.90   |
| IH-RYA-32   | 32           | 44       | 20               | 2000 | 1.85   |
| IH-RYA-38   | 38           | 52       | 20               | 2000 | 1.30   |
| IH-RYA-51   | 51           | 66       | 20               | 2000 | 1.52   |
| IH-RYA-76   | 76           | 94       | 20               | 2000 | 2.22   |
| IH-RYA-102  | 102          | 121      | 20               | 2000 | 4.00   |

### Applications





## Rubber Hose - Industrial

### Steel Air

**Part No.:** IH-RSA

**Colour:** Yellow

**Tube:** Black smooth synthetic rubber, heat and oil mist resistant

**Cover:** Yellow smooth synthetic rubber, abrasion and weather resistant.

**Reinforcement:** Plies of steel wire cord

**Size Available:** 19mm - 102mm

**Temperature:** -40°C +100°C

|                     | Low                                                                                 | Med                                                                                 | High                                                                                |
|---------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Flexibility         |  |  |  |
| Cycle Life          |  |  |  |
| Pressure Rating     |  |  |  |
| Chemical Resistance |  |  |  |
| Wall Thickness      |  |  |  |

### Construction

#### Use:

This steel reinforced heavy-duty air hose is suited to the most severe mining and industrial applications. The high margin of safety gives a long trouble-free service.



### Specifications

| Part Number | Nominal Dia. |          | Working Pressure |      | Weight |
|-------------|--------------|----------|------------------|------|--------|
|             | I.D (mm)     | O.D (mm) | Bar              | kPa  | Kg/M   |
| IH-RSA-19   | 19           | 31       | 50               | 5000 | 0.74   |
| IH-RSA-25   | 25           | 38       | 45               | 4500 | 0.91   |
| IH-RSA-32   | 32           | 45       | 45               | 4500 | 1.19   |
| IH-RSA-38   | 38           | 56       | 40               | 4000 | 1.51   |
| IH-RSA-51   | 51           | 69       | 40               | 4000 | 2.40   |
| IH-RSA-63   | 63           | 81       | 35               | 3500 | 2.90   |
| IH-RSA-76   | 76           | 95       | 35               | 3500 | 4.68   |
| IH-RSA-102  | 102          | 120      | 30               | 3000 | 7.34   |

### Applications



## Rubber Hose - Industrial

### Water Delivery

**Part No.:** IH-RWD

**Colour:** Black

**Tube:** Black smooth synthetic rubber

**Cover:** Black smooth synthetic rubber, abrasion and weather resistant

**Reinforcement:** Plies of high strength synthetic cord

**Size Available:** 12mm - 204mm

(Larger sizes upon Request)

**Temperature:** -35°C +70°C

Low | Med | High

Flexibility ☐ ☐ ☒

Cycle Life ☐ ☐ ☒

Pressure Rating ☒ ☐ ☐

Chemical Resistance ☐ ☒ ☐

Wall Thickness ☐ ☐ ☒

### Construction

#### Use:

Medium-duty mandrel built rubber hose suited for general purpose industrial water transfer applications.



### Specifications

| Part Number | Nominal Dia. |          | Working Pressure |      | Weight |
|-------------|--------------|----------|------------------|------|--------|
|             | I.D (mm)     | O.D (mm) | Bar              | kPa  | Kg/M   |
| IH-RWD-12   | 12           | -        | 10               | 1000 | 0.35   |
| IH-RWD-19   | 19           | 28       | 10               | 1000 | 0.54   |
| IH-RWD-25   | 25           | 34       | 10               | 1000 | 0.66   |
| IH-RWD-32   | 32           | 42       | 10               | 1000 | 0.93   |
| IH-RWD-38   | 38           | 48       | 10               | 1000 | 1.07   |
| IH-RWD-44   | 44           | 54       | 10               | 1000 | 1.39   |
| IH-RWD-51   | 51           | 61       | 10               | 1000 | 1.43   |
| IH-RWD-57   | 57           | 68       | 10               | 1000 | 1.65   |
| IH-RWD-64   | 64           | 74       | 10               | 1000 | 1.81   |
| IH-RWD-70   | 70           | 82       | 10               | 1000 | 2.18   |
| IH-RWD-76   | 76           | 89       | 10               | 1000 | 2.30   |
| IH-RWD-89   | 89           | 98       | 10               | 1000 | 3.13   |
| IH-RWD-102  | 102          | 114      | 10               | 1000 | 3.75   |
| IH-RWD-114  | 114          | 127      | 10               | 1000 | 3.91   |
| IH-RWD-127  | 127          | 140      | 10               | 1000 | 4.12   |
| IH-RWD-152  | 152          | 165      | 8                | 800  | 4.88   |
| IH-RWD-204  | 204          | 213      | 8                | 800  | 7.74   |

### Applications



## Rubber Hose - Industrial

### Water Suction

**Part No.:** IH-RWS

**Colour:** Black

**Tube:** Black smooth synthetic rubber

**Cover:** Black smooth synthetic rubber, abrasion and weather resistant

**Reinforcement:** Braided synthetic cord incorporating a steel wire helix

**Size Available:** 19mm - 305mm

**Temperature:** -20°C +80°C

|                     | Low                                                                                 | Med                                                                                 | High                                                                                |
|---------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Flexibility         |  |  |  |
| Cycle Life          |  |  |  |
| Pressure Rating     |  |  |  |
| Chemical Resistance |  |  |  |
| Wall Thickness      |  |  |  |

### Construction

#### Use:

A medium-duty suction hose suitable for use in agricultural, construction and mining industries. The hose is suitable for water, sea water and light slurry in both negative and positive pressure applications.



### Specifications

| Part Number | Nominal Dia. |          | Working Pressure |      | Weight |
|-------------|--------------|----------|------------------|------|--------|
|             | I.D (mm)     | O.D (mm) | Bar              | kPa  | Kg/M   |
| IH-RWS-19   | 19           | 31       | 10               | 1000 | -      |
| IH-RWS-25   | 25           | 36       | 10               | 1000 | 0.76   |
| IH-RWS-32   | 32           | 43       | 10               | 1000 | 0.92   |
| IH-RWS-38   | 38           | 49       | 10               | 1000 | 1.20   |
| IH-RWS-44   | 44           | 56       | 10               | 1000 | 1.48   |
| IH-RWS-51   | 51           | 63       | 10               | 1000 | 1.79   |
| IH-RWS-57   | 57           | 70       | 10               | 1000 | 1.90   |
| IH-RWS-64   | 64           | 77       | 10               | 1000 | 2.27   |
| IH-RWS-76   | 76           | 89       | 10               | 1000 | 2.65   |
| IH-RWS-89   | 89           | 102      | 10               | 1000 | 3.50   |
| IH-RWS-102  | 102          | 118      | 10               | 1000 | 5.10   |
| IH-RWS-114  | 114          | 132      | 10               | 1000 | 6.50   |
| IH-RWS-127  | 127          | 146      | 10               | 1000 | 8.10   |
| IH-RWS-152  | 152          | 170      | 5                | 500  | 9.30   |
| IH-RWS-204  | 204          | 223      | 5                | 500  | 14.60  |
| IH-RWS-254  | 254          | 282      | 5                | 500  | 19.20  |
| IH-RWS-305  | 305          | 335      | 5                | 500  | 25.60  |

### Applications



## Rubber Hose - Industrial

### Petroleum Delivery

**Part No.:** IH-RPD

**Colour:** Black

**Tube:** Black smooth synthetic rubber, 50% aromatic content

**Cover:** Black smooth oil resistant rubber

**Reinforcement:** Plies of high strength synthetic cord with copper anti-static wire

**Size Available:** 19mm - 102mm

**Temperature:** -20°C +80°C

|                     | Low                                                                                 | Med                                                                                 | High                                                                                |
|---------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Flexibility         |  |  |  |
| Cycle Life          |  |  |  |
| Pressure Rating     |  |  |  |
| Chemical Resistance |  |  |  |
| Wall Thickness      |  |  |  |

### Construction

#### Use:

Medium-duty, mandrel-built hose suited for the transfer of oil and petroleum-based products up to 30% aromatic content.



### Specifications

| Part Number | Nominal Dia. |          | Working Pressure |      | Weight |
|-------------|--------------|----------|------------------|------|--------|
|             | I.D (mm)     | O.D (mm) | Bar              | kPa  | Kg/M   |
| IH-RPD-19   | 19           | 30       | 10               | 1000 | 0.58   |
| IH-RPD-25   | 25           | 36       | 10               | 1000 | 0.64   |
| IH-RPD-32   | 32           | 44       | 10               | 1000 | 0.88   |
| IH-RPD-38   | 38           | 48       | 10               | 1000 | 1.07   |
| IH-RPD-44   | 44           | 54       | 10               | 1000 | 1.36   |
| IH-RPD-51   | 51           | 61       | 10               | 1000 | 1.43   |
| IH-RPD-64   | 64           | 74       | 10               | 1000 | 1.81   |
| IH-RPD-76   | 76           | 88       | 10               | 1000 | 2.39   |
| IH-RPD-102  | 102          | 114      | 10               | 1000 | 3.75   |

### Applications



## Rubber Hose - Industrial

### Chemical Suction

**Part No.:** IH-RCS

**Colour:** Blue

**Tube:** White smooth, ultra high molecular weight polyethylene

**Cover:** Blue smooth wrapped EPDM/SBR rubber, abrasion and weather resistant

**Reinforcement:** High strength synthetic cord plus wire helix and anti-static copper wire

**Size Available:** 19mm - 102mm

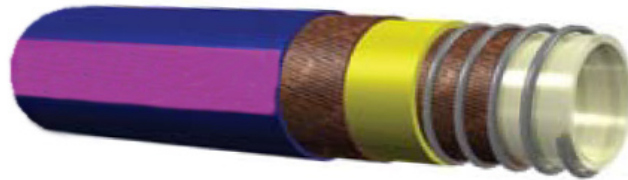
**Temperature:** -20°C +80°C

|                     | Low                                                                                 | Med                                                                                 | High                                                                                |
|---------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Flexibility         |  |  |  |
| Cycle Life          |  |  |  |
| Pressure Rating     |  |  |  |
| Chemical Resistance |  |  |  |
| Wall Thickness      |  |  |  |

### Construction

#### Use:

Special multi-purpose food quality suction and delivery hose, suitable for oily or fatty foods. Excellent for beer, wine, spirits up to 98% concentration. Also suitable for conveying a wide range of chemicals.



#### Standards:

FDA Standards

### Specifications

| Part Number | Nominal Dia. |          | Working Pressure |      | Bend Radius | Weight |
|-------------|--------------|----------|------------------|------|-------------|--------|
|             | I.D (mm)     | O.D (mm) | Bar              | kPa  | mm          | Kg/M   |
| IH-RCS-19   | 19           | 31       | 16               | 1600 | 65          | 0.66   |
| IH-RCS-25   | 25           | 38       | 16               | 1600 | 70          | 0.80   |
| IH-RCS-32   | 32           | 44       | 16               | 1600 | 90          | 0.90   |
| IH-RCS-38   | 38           | 51       | 16               | 1600 | 100         | 1.25   |
| IH-RCS-51   | 51           | 65       | 16               | 1600 | 135         | 1.66   |
| IH-RCS-64   | 64           | 78       | 16               | 1600 | 170         | 2.10   |
| IH-RCS-76   | 76           | 92       | 16               | 1600 | 205         | 2.72   |
| IH-RCS-102  | 102          | 118      | 16               | 1600 | 275         | 4.08   |

### Applications



## Rubber Hose - Industrial

### Rubber FEP Liner

**Part No.:** RFEP

**Colour:** Green / Yellow Labelling

**Tube:** FEP liner

**Cover:** Green EPDM rubber cover, covered and reinforced with multi-layered rubber

**Reinforcement:** Spiral-wound polyester cords and a double helix wire

**Size Available:** 1/2" - 6"

**Temperature:** -40°C +177°C

**Vacuum Resistance:** Full Vacuum

Low | Med | High

Flexibility ☐ ☒ ☐

Cycle Life ☐ ☐ ☒

Pressure Rating ☐ ☒ ☐

Chemical Resistance ☐ ☐ ☒

Wall Thickness ☐ ☐ ☒

### Construction

#### Use:

Designed for extended use in hostile environments involving severe chemical, thermal, and mechanical stresses. Does not suffer aging or embrittlement, even with extreme thermal cycling.



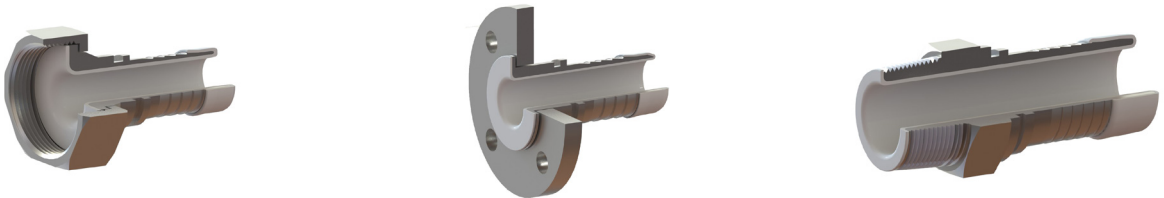
#### Standards

Pharmacopoeia Class VI, USDA, FDA-approved

### Specifications

| Part Number | Nominal Dia. |          | Working Pressure |       | Min. Bend Radius | Weight Per Mtr |
|-------------|--------------|----------|------------------|-------|------------------|----------------|
|             | Inches       | O.D (mm) | kPa              | bar   | mm               | kg.            |
| RFEP-12     | 1/2"         | 24.63    | 3447             | 34.47 | 36.5             | 1.19           |
| RFEP-20     | 3/4"         | 32.25    | 3447             | 34.47 | 36.5             | 1.77           |
| RFEP-25     | 1"           | 37.59    | 2757             | 27.57 | 76.2             | 1.87           |
| RFEP-38     | 1 1/2"       | 51.81    | 2413             | 24.13 | 114.3            | 2.95           |
| RFEP-50     | 2"           | 64.51    | 2068             | 20.68 | 177.8            | 3.97           |
| RFEP-65     | 2 1/2"       | 77.21    | 1378             | 13.78 | 228.6            | 5.27           |
| RFEP-75     | 3"           | 96.77    | 1378             | 13.78 | 889.0            | 10.13          |
| RFEP-100    | 4"           | 124.20   | 1034             | 10.34 | 1079.5           | 13.53          |

#### Encapsulated fitting options:



### Applications





## Rubber Hose - Industrial

### Muff Coupling

**Part No.:** IH-RMC

**Colour:** Black

**Tube:** Black smooth abrasion resistant rubber

**Cover:** Black smooth synthetic rubber, abrasion and weather resistant

**Reinforcement:** Plies of high strength synthetic cord incorporating a steel wire helix

**Size Available:** 51mm - 354mm

**Temperature:** -35°C +70°C

|                     | Low                                                                                 | Med                                                                                 | High                                                                                |
|---------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Flexibility         |  |  |  |
| Cycle Life          |  |  |  |
| Pressure Rating     |  |  |  |
| Chemical Resistance |  |  |  |
| Wall Thickness      |  |  |  |

### Construction

#### Use:

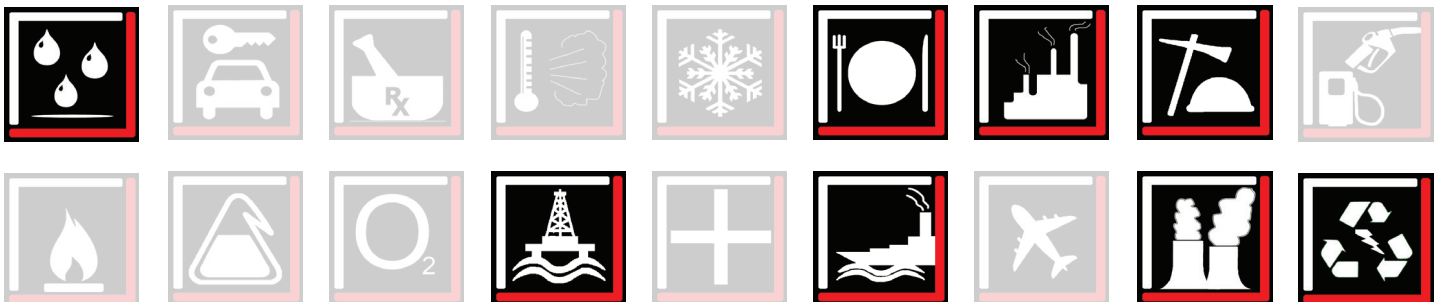
Suction and delivery of abrasive slurry in mining and extractive industries. Muff Coupling hose has many advantages over conventional material handling hoses which have inbuilt flanges.



### Specifications

| Part Number | Nominal Dia. |          | Working Pressure |     | Weight |
|-------------|--------------|----------|------------------|-----|--------|
|             | I.D (mm)     | O.D (mm) | Bar              | kPa | Kg/M   |
| IH-RMC-51   | 51           | 71       | 7                | 700 | 4.90   |
| IH-RMC-64   | 64           | 81       | 7                | 700 | 5.88   |
| IH-RMC-75   | 75           | 103      | 7                | 700 | 6.90   |
| IH-RMC-102  | 102          | 128      | 7                | 700 | 8.60   |
| IH-RMC-127  | 127          | 157      | 7                | 700 | 8.95   |
| IH-RMC-152  | 152          | 182      | 7                | 700 | 10.15  |
| IH-RMC-204  | 204          | 236      | 7                | 700 | 14.80  |
| IH-RMC-254  | 254          | 288      | 7                | 700 | 20.30  |
| IH-RMC-305  | 305          | 344      | 7                | 700 | 34.36  |
| IH-RMC-354  | 354          | 390      | 7                | 700 | 39.11  |

### Applications



## Rubber Hose - Industrial

### Xtreme Steel Steam

**Part No.:** IH-RSS

**Colour:** Black

**Tube:** Black smooth EPDM heat resistant rubber

**Cover:** Red smooth EPDM heat resistant rubber

**Reinforcement:** Plies of steel wire cord

**Size Available:** 13mm - 51mm

**Temperature:** -40°C +236°C

|                     | Low                                                                                 | Med                                                                                 | High                                                                                |
|---------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Flexibility         |  |  |  |
| Cycle Life          |  |  |  |
| Pressure Rating     |  |  |  |
| Chemical Resistance |  |  |  |
| Wall Thickness      |  |  |  |

### Construction

#### Use:

Mandrel-built, high-pressure, wire-braided steam hose designed for service with saturated steam at a maximum pressure of 12BAR (250psi). Not recommended for use on steam cleaners.



### Specifications

| Part Number | Nominal Dia. |          | Working Pressure |      | Weight |
|-------------|--------------|----------|------------------|------|--------|
|             | I.D (mm)     | O.D (mm) | Bar              | kPa  | Kg/M   |
| IH-RSS-13   | 13           | 25       | 17               | 1700 | 0.53   |
| IH-RSS-19   | 19           | 32       | 17               | 1700 | 0.68   |
| IH-RSS-25   | 25           | 39       | 17               | 1700 | 0.90   |
| IH-RSS-32   | 32           | 46       | 17               | 1700 | 1.30   |
| IH-RSS-38   | 38           | 54       | 17               | 1700 | 1.60   |
| IH-RSS-51   | 51           | 67       | 17               | 1700 | 2.20   |

#### Safety Warning:

Exposure to steam is dangerous. If not properly controlled, steam can cause damage to property, serious injury and even death. You must select the proper steam hose for the given application. Also appropriate installation, usage and maintenance of the steam hose you select will contribute to increasing operator safety.

### Applications



## Rubber Hose - Industrial

### FRAS Suction

**Part No.:** IH-RFS

**Colour:** Black

**Tube:** FRAS black smooth synthetic rubber, oil mist resistant

**Cover:** FRAS black smooth synthetic rubber, abrasion and weather resistant

**Reinforcement:** Plies of high strength synthetic cord incorporating a steel wire helix.

**Size Available:** 25mm - 102mm

**Temperature:** -35°C +70°C

|                     | Low                                                                                 | Med                                                                                 | High                                                                                |
|---------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Flexibility         |  |  |  |
| Cycle Life          |  |  |  |
| Pressure Rating     |  |  |  |
| Chemical Resistance |  |  |  |
| Wall Thickness      |  |  |  |

### Construction

#### Use:

Built to AS2660 Class B. This heavy-duty, fire-resistant, anti-static suction hose is ideally suited for use in high fire risk industries.



### Specifications

| Part Number | Nominal Dia. |          | Working Pressure |      | Weight |
|-------------|--------------|----------|------------------|------|--------|
|             | I.D (mm)     | O.D (mm) | Bar              | kPa  | Kg/M   |
| IH-RFS-25   | 25           | 36       | 10               | 1000 | -      |
| IH-RFS-51   | 51           | 65       | 10               | 1000 | 2.10   |
| IH-RFS-76   | 76           | 91       | 10               | 1000 | 3.27   |
| IH-RFS-102  | 102          | 118      | 10               | 1000 | 5.18   |

### Applications



## Rubber Hose - Industrial

### FRAS Delivery

**Part No.:** IH-RFD

**Colour:** Black

**Tube:** FRAS black smooth synthetic rubber, oil mist resistant

**Cover:** FRAS black smooth synthetic rubber, abrasion and weather resistant

**Reinforcement:** Plies of high strength synthetic cord

**Size Available:** 12mm - 102mm

**Temperature:** -35°C +70°C

|                     |                                                                                     |                                                                                     |                                                                                     |
|---------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                     | Low                                                                                 | Med                                                                                 | High                                                                                |
| Flexibility         |  |  |  |
| Cycle Life          |  |  |  |
| Pressure Rating     |  |  |  |
| Chemical Resistance |  |  |  |
| Wall Thickness      |  |  |  |

### Construction

#### Use:

Built to AS2660 Class B, this heavy-duty, fire-resistant, anti-static air hose is ideally suited for use in the coal mining industry and other high fire risk areas.



### Specifications

| Part Number | Nominal Dia. |          | Working Pressure |      | Weight |
|-------------|--------------|----------|------------------|------|--------|
|             | I.D (mm)     | O.D (mm) | Bar              | kPa  | Kg/M   |
| IH-RFD-12   | 12           | 23       | 20               | 2000 | 0.37   |
| IH-RFD-19   | 19           | 31       | 20               | 2000 | 0.63   |
| IH-RFD-25   | 25           | 37       | 20               | 2000 | 0.78   |
| IH-RFD-32   | 32           | 46       | 20               | 2000 | -      |
| IH-RFD-38   | 38           | 52       | 20               | 2000 | 1.20   |
| IH-RFD-51   | 51           | 67       | 20               | 2000 | 2.21   |
| IH-RFD-64   | 64           | 81       | 20               | 2000 | 3.37   |
| IH-RFD-76   | 76           | 92       | 20               | 2000 | 4.15   |
| IH-RFD-102  | 102          | 122      | 20               | 2000 | 5.50   |

### Applications



## Rubber Hose - Industrial

### Super Abrasion Resistant Suction/Delivery Hose

**Colour:** Black

**Tube:** NR/BR blend Super Abrasion Resistant (SAR) Rubber

**Cover:** NR/BR blend Super Abrasion Resistant (SAR) Rubber

**Reinforcement:** Spiral Synthetic Fabric with steel wire for full suction capabilities

**Size Available:** 2" - 24"

**Temperature:** -30°C +70°C

Low | Med | High

Flexibility 

Cycle Life 

Pressure Rating 

Chemical Resistance 

Wall Thickness 

#### Construction

##### Use:

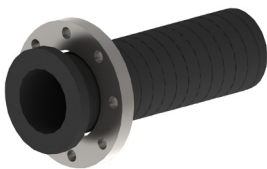
For suction, and high pressure when discharging of abrasive slurry materials in the mining, dredging and other industries



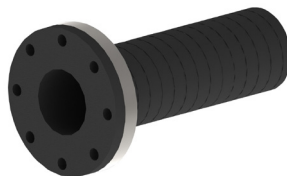
#### Specifications

| Size |          | Max. Working Pressure |      | Weight |
|------|----------|-----------------------|------|--------|
| inch | O.D (mm) | PSI                   | kPa  | Kg/m   |
| 2"   | 76       | 200                   | 1379 | 3.4    |
| 3"   | 102      | 200                   | 1379 | 5.0    |
| 4"   | 129      | 200                   | 1379 | 6.8    |
| 5"   | 158      | 200                   | 1379 | 9.2    |
| 6"   | 184      | 200                   | 1379 | 12.8   |
| 8"   | 238      | 200                   | 1379 | 18.8   |
| 10"  | 292      | 200                   | 1379 | 24.4   |
| 12"  | 344      | 200                   | 1379 | 32.4   |
| 14"  | 394      | 200                   | 1379 | 34.2   |
| 16"  | 448      | 200                   | 1379 | 46.6   |
| 18"  | 501      | 200                   | 1379 | 53.6   |
| 20"  | 551      | 200                   | 1379 | 59.4   |
| 24"  | 660      | 200                   | 1379 | 83.4   |

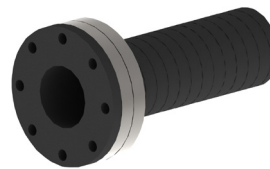
#### End Connections



Beaded (Rotating) Flanges



Fixed Flanges



Double Flanges



Spigot Flanges

#### Applications



## Rubber Hose - Industrial

### Oil Suction & Discharge Hose

**Colour:** Black

**Tube:** Synthetic rubber compound with an aromatic content up to 60%

**Cover:** Weathering and abrasion resistant rubber compound

**Reinforcement:** Helical steel wire to resist collapse and crush loads

**Electrical Continuity:** Electrically continuous or discontinuous as required.

**Size Available:** 2" - 24"

**Temperature:** -20°C to +82°C

Low | Med | High

Flexibility ☐ ☒ ☐

Cycle Life ☐ ☐ ☒

Pressure Rating ☐ ☒ ☐

Chemical Resistance ☐ ☒ ☐

Wall Thickness ☐ ☐ ☒

#### Construction

##### Use:

Lightweight, flexible hoses offering easy handling. Generally used at dockside and jetty locations where the working conditions do not call for high crush resistance or tensile strength.

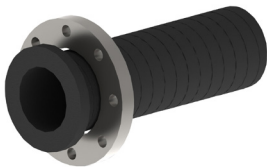
BS EN 1765: 2004 Type S15



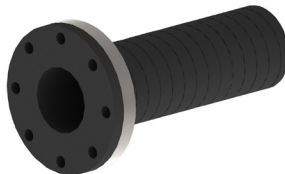
#### Specifications

| Size   |          | Max. Working Pressure |      | Burst Pressures |      | Weight |
|--------|----------|-----------------------|------|-----------------|------|--------|
| inch   | O.D (mm) | PSI                   | kPa  | PSI             | kPa  | Kg/m   |
| 2"     | 79       | 215                   | 1480 | 870             | 6000 | 3.9    |
| 2 1/2" | 92       | 215                   | 1480 | 870             | 6000 | 4.7    |
| 3"     | 105      | 215                   | 1480 | 870             | 6000 | 5.8    |
| 4"     | 132      | 215                   | 1480 | 870             | 6000 | 8.1    |
| 5"     | 158      | 215                   | 1480 | 870             | 6000 | 9.9    |
| 6"     | 189      | 215                   | 1480 | 870             | 6000 | 14.9   |
| 8"     | 245      | 215                   | 1480 | 870             | 6000 | 23.1   |
| 10"    | 297      | 215                   | 1480 | 870             | 6000 | 30.2   |
| 12"    | 352      | 215                   | 1480 | 870             | 6000 | 39.1   |
| 16"    | 454      | 215                   | 1480 | 870             | 6000 | 76.8   |

#### End Connections



Beaded (Rotating) Flanges



Fixed Flanges



Double Flanges



Spigot Flanges

#### Applications





## Rubber Hose - Industrial

### Petrol & Oil Suction/Discharge Hose

**Colour:** Black

**Tube:** NBR

**Cover:** NBR / PVC

**Reinforcement:** Spiral Synthetic Fabric and High Tensile Steel Wire

**Size Available:** 3/4" - 4"

**Temperature:** -30°C +80°C

Low | Med | High

Flexibility 

Cycle Life 

Pressure Rating 

Chemical Resistance 

Wall Thickness 

#### Construction

##### Use:

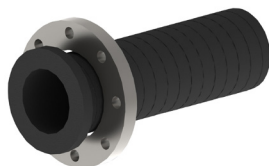
Suitable for suction and delivery of petroleum and petroleum products having aromatic content not greater than 50%.



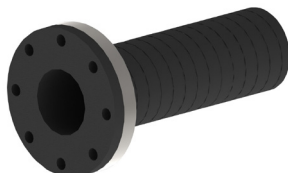
#### Specifications

| Size   |          | Max. Working Pressure |     | Weight |
|--------|----------|-----------------------|-----|--------|
| inch   | O.D (mm) | PSI                   | kPa | Kg/m   |
| 3/4"   | 31.7     | 100                   | 689 | 0.81   |
| 1"     | 38.0     | 100                   | 689 | 0.98   |
| 1 1/4" | 44.1     | 100                   | 689 | 1.18   |
| 1 1/2" | 53.7     | 100                   | 689 | 1.35   |
| 2"     | 63.4     | 100                   | 689 | 1.83   |
| 2 1/2" | 77.7     | 100                   | 689 | 2.42   |
| 3"     | 90.4     | 100                   | 689 | 2.90   |
| 3 1/2" | 104.1    | 100                   | 689 | 3.38   |
| 4"     | 116.8    | 100                   | 689 | 4.04   |

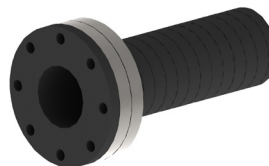
#### End Connections



Beaded (Rotating) Flanges



Fixed Flanges



Double Flanges



Spigot Flanges

#### Applications



## Rubber Hose - Industrial

### Petrol & Oil Transfer Hose

**Colour:** Black

**Tube:** NBR

**Cover:** NBR / PVC

**Reinforcement:** Spiral Synthetic Fabric / Copper Anti-Static Wire

**Size Available:** 3/4" - 4"

**Temperature:** -30°C +80°C

Low | Med | High

Flexibility ☐ ☒ ☐

Cycle Life ☐ ☐ ☒

Pressure Rating ☐ ☒ ☐

Chemical Resistance ☐ ☒ ☐

Wall Thickness ☐ ☐ ☒

#### Construction

##### Use:

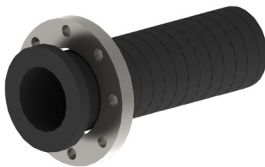
Suitable for transfer of petroleum and petroleum products having aromatic content not greater than 50%.



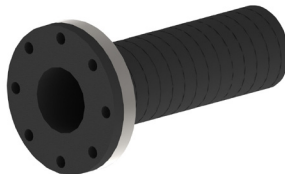
#### Specifications

| Size   |          | Max. Working Pressure |      | Weight |
|--------|----------|-----------------------|------|--------|
| inch   | O.D (mm) | PSI                   | kPa  | Kg/m   |
| 3/4"   | 31.7     | 150                   | 1034 | 0.65   |
| 1"     | 39.6     | 150                   | 1034 | 0.89   |
| 1 1/4" | 45.7     | 150                   | 1034 | 1.07   |
| 1 1/2" | 52.3     | 150                   | 1034 | 1.20   |
| 2"     | 65.2     | 150                   | 1034 | 1.55   |
| 2 1/2" | 77.7     | 150                   | 1034 | 1.82   |
| 3"     | 90.8     | 150                   | 1034 | 2.18   |
| 3 1/2" | 107.1    | 150                   | 1034 | 3.29   |
| 4"     | 119.8    | 150                   | 1034 | 3.79   |

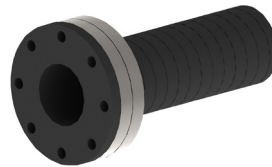
#### End Connections



Beaded (Rotating) Flanges



Fixed Flanges



Double Flanges



Spigot Flanges

#### Applications



## Rubber Hose - Industrial

### Sand & Shot Blast Suction/Discharge Hose

**Colour:** Black

**Tube:** NR/BR blend Super Abrasion Resistant (SAR) Rubber

**Cover:** NR/BR blend Super Abrasion Resistant (SAR) Rubber

**Reinforcement:** Spiral Synthetic Fabric

**Size Available:** 1/2" - 3"

**Temperature:** -30°C +70°C

Low | Med | High

Flexibility ☐ ☒ ☐

Cycle Life ☐ ☐ ☒

Pressure Rating ☐ ☐ ☒

Chemical Resistance ☐ ☒ ☐

Wall Thickness ☐ ☒ ☐



#### Construction

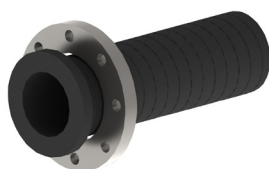
##### Use:

Used for suction or discharge of water and light slurry

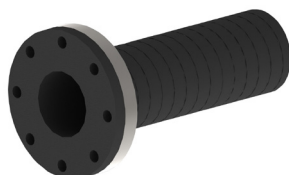
#### Specifications

| Size   |          | Max. Working Pressure |      | Weight |
|--------|----------|-----------------------|------|--------|
| inch   | O.D (mm) | PSI                   | kPa  | Kg/m   |
| 1/2"   | 33       | 150                   | 1034 | 0.98   |
| 3/4"   | 40       | 150                   | 1034 | 1.23   |
| 1"     | 48       | 150                   | 1034 | 1.72   |
| 1 1/4" | 55       | 150                   | 1034 | 2.06   |
| 1 1/2" | 61       | 150                   | 1034 | 2.29   |
| 2"     | 76       | 150                   | 1034 | 3.14   |
| 3"     | 103      | 150                   | 1034 | 4.62   |

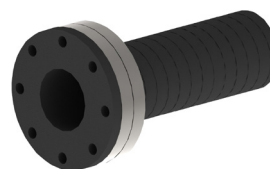
#### End Connections



Beaded (Rotating) Flanges



Fixed Flanges



Double Flanges



Spigot Flanges

#### Applications





# RUBBER & COMPOSITE HOSE

## Rubber Hose - Industrial

### Contractors Suction

**Part No:** IH-RWCS

**Colour:** Black

**Tube:** Black smooth synthetic rubber.

**Cover:** Black corrugated synthetic rubber, abrasion and weather resistant.

**Reinforcement:** Plies of high strength synthetic cord incorporating a steel wire helix.

**Size Available:** 76mm - 305mm

**Temperature:** -35°C +70°C

|                     | Low | Med | High |
|---------------------|-----|-----|------|
| Flexibility         |     |     |      |
| Cycle Life          |     |     |      |
| Pressure Rating     |     |     |      |
| Chemical Resistance |     |     |      |
| Wall Thickness      |     |     |      |

### Construction

#### Use:

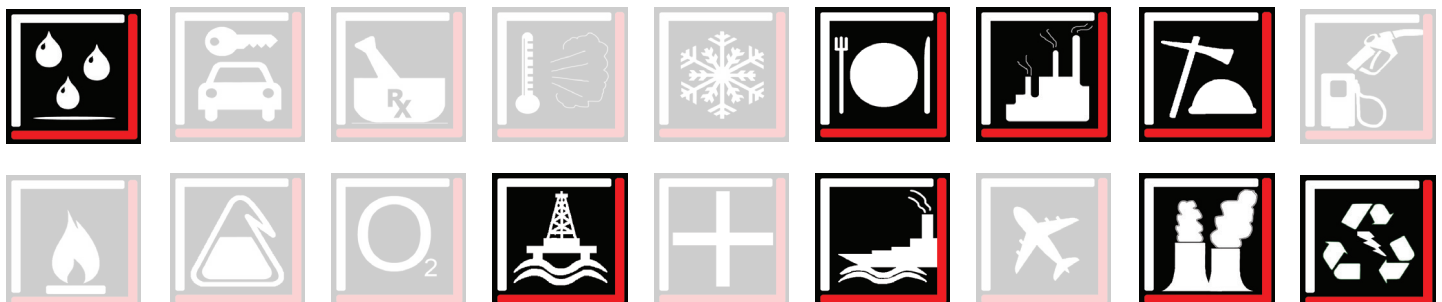
Highly flexible corrugated rubber hose suitable for the transfer of water in negative pressure applications. Lengths incorporate cuffed ends for ease of inserting hose fitting.



### Specifications

| Part Number | Nominal Dia. |          | Working Pressure |      | Weight |
|-------------|--------------|----------|------------------|------|--------|
|             | I.D (mm)     | O.D (mm) | Bar              | kPa  | Kg/M   |
| IH-RWCS-76  | 76           | 95       | 10               | 1000 | 3.52   |
| IH-RWCS-102 | 102          | 123      | 10               | 1000 | 4.59   |
| IH-RWCS-152 | 152          | 176      | 10               | 1000 | 7.86   |
| IH-RWCS-204 | 204          | 240      | 10               | 1000 | 11.70  |
| IH-RWCS-254 | 254          | 290      | 10               | 1000 | 16.70  |
| IH-RWCS-305 | 305          | -        | 10               | 1000 | -      |

### Applications



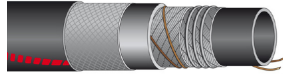
## Rubber Hose - Offshore

### Introduction

Pacific Hoseflex has the capabilities to supply the complete marine oil and gas fluid transfer range. The product range consists of:

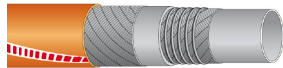
#### Suction/Delivery Abrasive material

Size : 76mm to 127mm  
Material : SR/SBR rubber  
Temperature: -25°C +70°C



#### Suction/Discharge Potable water

Size : 51mm to 102mm  
Material : IIR rubber (food quality)  
Temperature: -40°C +100°C



#### Full bore Marine Breakaway Coupling

Size : 50mm to 200mm  
Material : 316 Stainless Steel



#### Breakaway Coupling

Size : 12mm - 300mm  
Material : 316 Stainless Steel



#### Dry Disconnect Tank Unit

Size : 25mm to 150mm  
Material : 316/304 Stainless Steel



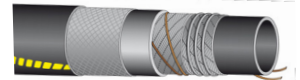
#### Flange Camlock Coupling

Size : 100mm to 600mm  
Material : Carbon Steel / 316 Stainless steel



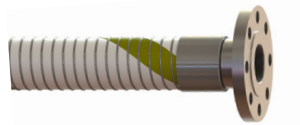
#### Suction/Discharge Mud and Oil

Size : 51mm to 203mm  
Material : PVC/BR rubber  
Temperature: -20°C +90°C



#### Composite LNG/LPG

Size : 20mm to 300mm  
Material : Polypropylene films  
316/304 Stainless Steel wire



#### Marine Breakaway Coupling

Size : 50mm to 150mm  
Material : 316 Stainless Steel



#### Dry Disconnect Coupling Hose Unit

Size : 25mm to 150mm  
Material : 316 Stainless Steel / Aluminium



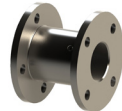
#### Emergency Release Coupling

Size : 50mm to 300mm  
Material : 316 Stainless Steel



#### Swivel Joint

Size : 12mm to 400mm  
Material : 316 Stainless Steel, Carbon steel, Aluminium





## Rubber Hose - Offshore

### Suction/Delivery Abrasive hose

**Part No.:** IH-AH-50

**Colour:** Black

**Tube:** NR/SBR rubber

**Cover:** Black EPDM, weather, ozone and sea-water resistant.

**Reinforcement:** High strength synthetic cord, steel helix wire and antistatic copper wire

**Size Available:** 3" - 5"

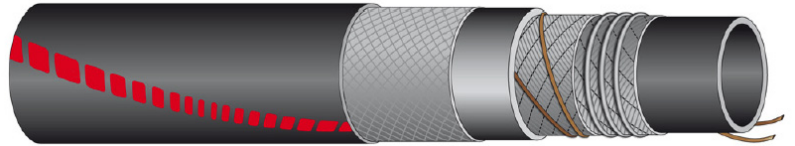
**Temperature:** -25°C +70°C

|                     | Low                                                                                 | Med                                                                                 | High                                                                                |
|---------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Flexibility         |  |  |  |
| Cycle Life          |  |  |  |
| Pressure Rating     |  |  |  |
| Chemical Resistance |  |  |  |
| Wall Thickness      |  |  |  |

### Construction

#### Use:

Hardwall hose designed to convey barite and bentonite and other abrasive materials from ship to oil rigs to consolidate the oil well. It withstands a tensile stress of 4 tons.



### Specifications

| Part Number | Size | Internal Diameter | Outside Diameter | Min. Bend Radius | Max. Working Pressure |     | Min. Burst Pressure |     | Vacuum |
|-------------|------|-------------------|------------------|------------------|-----------------------|-----|---------------------|-----|--------|
|             | inch | mm                | mm               | mm               | bar                   | PSI | bar                 | PSI | mm hg  |
| IH-AH-76    | 3"   | 76                | 96               | 390              | 10                    | 150 | 40                  | 600 | 675    |
| IH-AH-102   | 4"   | 102               | 124              | 555              | 10                    | 150 | 40                  | 600 | 675    |
| IH-AH-127   | 5"   | 127               | 150              | 730              | 10                    | 150 | 40                  | 600 | 675    |

### Applications





## Rubber Hose - Offshore

### Drilling Mud and Oil Hose

**Colour:** Black

**Tube:** Black, smooth, PVC/NBR rubber

**Cover:** CR flame resistant rubber, resistant to weather, abrasion, oil and sea water

**Reinforcement:** High strength synthetic cord plus antistatic copper wire

**Size Available:** 2" - 8"

**Temperature:** -20°C +90°C

|                     | Low                                                                                 | Med                                                                                 | High                                                                                |
|---------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Flexibility         |  |  |  |
| Cycle Life          |  |  |  |
| Pressure Rating     |  |  |  |
| Chemical Resistance |  |  |  |
| Wall Thickness      |  |  |  |

### Construction

#### Use:

Hardwall hose for the suction and delivery of petroleum products with aromatic content up to 50% and drilling mud mixed with oil.

#### Standards:

PDA ABS Nr. 15-GE1415740-PDA

ASTM C-542 - Flame retardant



### Specifications

| Part Number | Size | Internal Diameter | Outside Diameter | Max. Working Pressure |     | Min. Burst Pressure |     |
|-------------|------|-------------------|------------------|-----------------------|-----|---------------------|-----|
|             | inch | mm                | mm               | bar                   | PSI | bar                 | PSI |
| IH-DMO-50   | 2"   | 51                | 65               | 17                    | 225 | 52                  | 780 |
| IH-DMO-76   | 3"   | 76                | 91.5             | 17                    | 225 | 52                  | 780 |
| IH-DMO-102  | 4"   | 102               | 119              | 17                    | 225 | 52                  | 780 |
| IH-DMO-127  | 5"   | 127               | 145.5            | 17                    | 225 | 52                  | 780 |
| IH-DMO-152  | 6"   | 152               | 174              | 17                    | 225 | 52                  | 780 |
| IH-DMO-203  | 8"   | 203               | 225              | 17                    | 225 | 52                  | 780 |

### Applications



## Rubber Hose - Offshore

### Suction/Discharge Potable Water Hose

**Part No:** IH-PW-50

**Colour:** Orange

**Tube:** IIR rubber

**Cover:** EDPM rubber, weathering, ozone and sea-water resistant.

**Reinforcement:** High strength synthetic cord divided by a layer of rubber plus steel helix wire.

**Size Available:** 2"- 4"

**Temperature:** -40°C +100°C

|                     | Low                                                                                 | Med                                                                                 | High                                                                                |
|---------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Flexibility         |  |  |  |
| Cycle Life          |  |  |  |
| Pressure Rating     |  |  |  |
| Chemical Resistance |  |  |  |
| Wall Thickness      |  |  |  |

#### Construction

##### Use:

Hardwall hose used for the suction and delivery of drinking water from ship to oil rig.

##### Standards:

PDA ABS Nr. 15-GE1415740-PDA

Reg. EC 1935/04 and EC 2023/06

Phthalates free

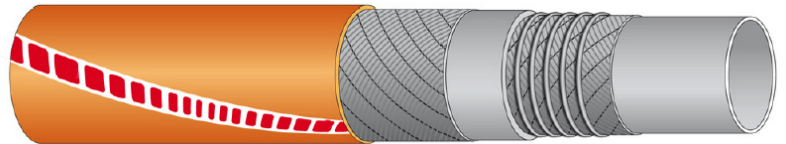
PAHs free (acc. to ZEK 01.4-08 Cat. 1)

Bisphenol A free

FDA tit.21 art

177.2600 aqueous foods

BfR XXI Cat.2 foods



#### Specifications

| Part Number | Size | Internal Diameter | Outside Diameter | Min. Bend Radius | Max. Working Pressure |     | Min. Burst Pressure |      | Vacuum |
|-------------|------|-------------------|------------------|------------------|-----------------------|-----|---------------------|------|--------|
|             | inch | mm                | mm               | mm               | bar                   | PSI | bar                 | PSI  | mm hg  |
| IH-PW-50    | 2"   | 51                | 70               | 280              | 20                    | 300 | 80                  | 1200 | 675    |
| IH-PW-76    | 3"   | 76                | 95.5             | 400              | 20                    | 300 | 80                  | 1200 | 675    |
| IH-PW-102   | 4"   | 102               | 125              | 550              | 20                    | 300 | 80                  | 1200 | 675    |

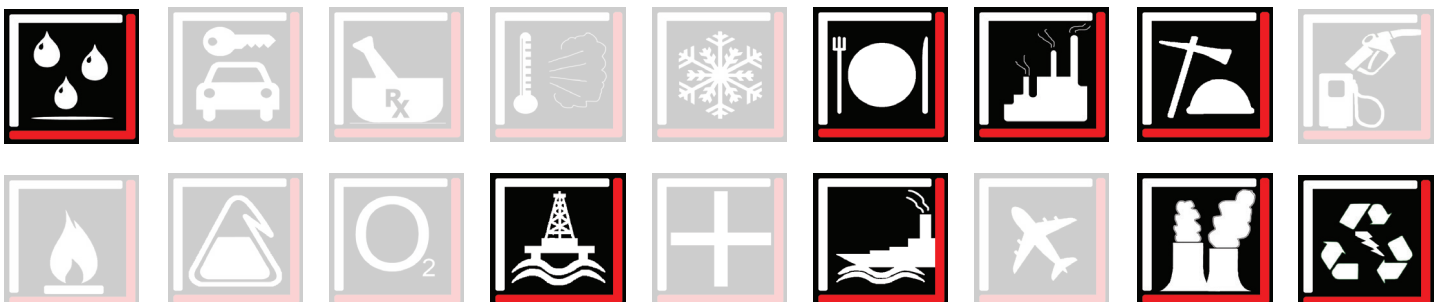
Tensile breaking load:

2000 kgf for inside diameter 2"

4000 kgf for inside diameter 3"

7000 kgf for all other diameters.

#### Applications



## Rubber Hose - Offshore

### Suction/Discharge Mud and Oil Hose

**Colour:** Black

**Tube:** PVC/BR rubber

**Cover:** CR flame resistant rubber, resistant to weather, abrasion, oil and sea water

**Reinforcement:** High strength synthetic cord, steel helix wire and antistatic copper wire

**Size Available:** 2" - 8"

**Temperature:** -20°C +90°C

Low | Med | High

Flexibility ☐ ☒ ☐

Cycle Life ☐ ☐ ☒

Pressure Rating ☐ ☒ ☐

Chemical Resistance ☐ ☒ ☐

Wall Thickness ☐ ☐ ☒

### Construction

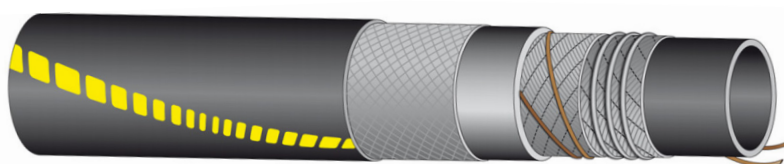
#### Use:

Hardwall hose for the suction and delivery of petroleum products with aromatic content up to 50% and drilling mud mixed with oil.

#### Standards:

PDA ABS Nr. 15-GE1415740-PDA

ASTM C-542 - Flame retardant



### Specifications

| Part Number | Size | Internal Diameter | Outside Diameter | Min. Bend Radius | Max. Working Pressure |     | Min. Burst Pressure |      | Vacuum |
|-------------|------|-------------------|------------------|------------------|-----------------------|-----|---------------------|------|--------|
|             | inch | mm                | mm               | mm               | bar                   | PSI | bar                 | PSI  | mm hg  |
| IH-MO-50    | 2"   | 51                | 68.5             | 300              | 20                    | 300 | 80                  | 1200 | 675    |
| IH-MO-76    | 3"   | 76                | 95               | 390              | 20                    | 300 | 80                  | 1200 | 675    |
| IH-MO-102   | 4"   | 102               | 123              | 550              | 20                    | 300 | 80                  | 1200 | 675    |
| IH-MO-127   | 5"   | 127               | 151.5            | 730              | 20                    | 300 | 80                  | 1200 | 675    |
| IH-MO-152   | 6"   | 152               | 179              | 910              | 20                    | 300 | 80                  | 1200 | 675    |
| IH-MO-203   | 8"   | 203               | 239              | 1340             | 20                    | 300 | 80                  | 1200 | 675    |

Tensile breaking load:

2000 kgf for inside diameter 2"

4000 kgf for inside diameter 3"

7000 kgf for all other diameters.

### Applications



## Rubber Hose - LPG / Gas

### LPG EN1762

**Part No.:** IH-LPG-EN1762

**Colour:** Black / Yellow Labelling

**Tube:** NBR Special, Black, Smooth, Electrically Conductive

**Cover:** CR, abrasion resistant, oil and weather resistant, cloth impression, pin pricked.

**Reinforcement:** Textile braided (sizes >75mm – wrapped), 2 crossed copper wires

**Size Available:** 3/4" - 4"

**Temperature:** -35°C +70°C

|                     | Low                                                                                 | Med                                                                                 | High                                                                                |
|---------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Flexibility         |  |  |  |
| Cycle Life          |  |  |  |
| Pressure Rating     |  |  |  |
| Chemical Resistance |  |  |  |
| Wall Thickness      |  |  |  |

### Construction

#### Use:

Suitable for delivery of Liquefied Petroleum Gas, LPG (Liquid or Gas) and Natural Gas.



#### Standards

EN1762

### Specifications

| Part Number       | Nominal Dia. |          |          | Working Pressure |     | Min. Bend Radius | Weight Per Mtr |
|-------------------|--------------|----------|----------|------------------|-----|------------------|----------------|
|                   | Inches       | I.D (mm) | O.D (mm) | kPa              | bar | mm               | kg.            |
| IH-LPG-EN1762-12  | 1/2"         | 13       | 24       | 2500             | 25  | 160              | 0.39           |
| IH-LPG-EN1762-20  | 3/4"         | 19       | 32       | 2500             | 25  | 180              | 0.62           |
| IH-LPG-EN1762-25  | 1"           | 25       | 38       | 2500             | 25  | 200              | 0.77           |
| IH-LPG-EN1762-32  | 1 1/4"       | 32       | 46       | 2500             | 25  | 250              | 1.04           |
| IH-LPG-EN1762-38  | 1 1/2"       | 38       | 54       | 2500             | 25  | 320              | 1.32           |
| IH-LPG-EN1762-50  | 2"           | 51       | 67       | 2500             | 25  | 400              | 1.76           |
| IH-LPG-EN1762-80  | 3"           | 76       | 93       | 2500             | 25  | 650              | 2.70           |
| IH-LPG-EN1762-100 | 4"           | 102      | 124      | 2500             | 25  | 800              | 4.43           |

Safety Factor: 4:1 Standard Duty. (Burst Pressure: Working Pressure)

### Applications



## Rubber Hose - LPG / Gas RLPG

**Part No.:** IH-RLPG-C / IH-RLPG-H

**Tube:** NBR Special, black, smooth, electrically conductive

**Reinforcement:** Textile braided with 2 crossed copper wires

**Cover:** CR, black, electrically conductive, abrasion resistant, oil & weather resistant, cloth impression, pin pricked.

**Size Available:** 1/2" - 4" Class C

3/4" - 4" Class H

**Temperature:** -20°C to +65°C Class C

-50°C to +65°C Class H

Low | Med | High

Flexibility 

Cycle Life 

Pressure Rating 

Chemical Resistance 

Wall Thickness 

### Construction

#### Use:

Suitable for delivery and transfer of Liquefied Petroleum Gas, LPG (Liquid or Gas), Natural Gas and Town Gas

#### Standards:

AGA approved – AS/NZS 1869

EN 1762

DVGW NG-4612BO0255, ISO 4080 – method 1



### Specifications

| Class C<br>Part Number | Nominal Dia. |          |          | Working Pressure |     | Burst Pressure |     | Min. Bend Radius | Weight Per Mtr |
|------------------------|--------------|----------|----------|------------------|-----|----------------|-----|------------------|----------------|
|                        | Inches       | I.D (mm) | O.D (mm) | kPa              | bar | kPa            | bar | mm               | kg.            |
| IH-RLPG-12-C           | 1/2"         | 12.7     | 22.7     | 2600             | 26  | 10400          | 104 | 100              | 0.42           |
| IH-RLPG-16-C           | 5/8"         | 16       | 26.3     | 2600             | 26  | 10400          | 104 | 150              | 0.55           |
| IH-RLPG-19-C           | 3/4"         | 19       | 31       | 2600             | 26  | 10400          | 104 | 150              | 0.65           |
| IH-RLPG-25-C           | 1"           | 25       | 38       | 2600             | 26  | 10400          | 104 | 200              | 0.80           |
| IH-RLPG-32-C           | 1 1/4"       | 32       | 45       | 2600             | 26  | 10400          | 104 | 250              | 1.05           |
| IH-RLPG-38-C           | 1 1/2"       | 38       | 52       | 2600             | 26  | 10400          | 104 | 320              | 1.30           |
| IH-RLPG-50-C           | 2"           | 50       | 66       | 2600             | 26  | 10400          | 104 | 400              | 1.90           |
| IH-RLPG-75-C           | 3"           | 75       | 93       | 2600             | 26  | 10400          | 104 | 650              | 2.95           |
| IH-RLPG-100-C          | 4"           | 100      | 120      | 2600             | 26  | 10400          | 104 | 800              | 4.50           |

| Class H<br>Part Number | Nominal Dia. |          |          | Working Pressure |     | Burst Pressure |     | Min. Bend Radius | Weight Per Mtr |
|------------------------|--------------|----------|----------|------------------|-----|----------------|-----|------------------|----------------|
|                        | Inches       | I.D (mm) | O.D (mm) | kPa              | bar | kPa            | bar | mm               | kg.            |
| IH-RLPG-19-H           | 3/4"         | 19       | 31       | 2600             | 26  | 10400          | 104 | 150              | 0.65           |
| IH-RLPG-25-H           | 1"           | 25       | 38       | 2600             | 26  | 10400          | 104 | 200              | 0.80           |
| IH-RLPG-32-H           | 1 1/4"       | 32       | 45       | 2600             | 26  | 10400          | 104 | 250              | 1.05           |
| IH-RLPG-38-H           | 1 1/2"       | 38       | 52       | 2600             | 26  | 10400          | 104 | 320              | 1.30           |
| IH-RLPG-50-H           | 2"           | 50       | 66       | 2600             | 26  | 10400          | 104 | 400              | 1.90           |
| IH-RLPG-75-H           | 3"           | 75       | 93       | 2600             | 26  | 10400          | 104 | 650              | 2.95           |
| IH-RLPG-100-H          | 4"           | 100      | 120      | 2600             | 26  | 10400          | 104 | 800              | 4.50           |

### Applications



## Rubber Hose - Hydraulic

### SAE 100 R1AT

**Part No.:** IH-R1AT

**Colour:** Black

**Tube:** Synthetic oil resistant rubber.

**Cover:** Synthetic rubber - abrasion, ozone and weather resistant.

**Reinforcement:** 1 high tensile steel wire braid.

**Size Available:** 1/4" - 4"

**Temperature:** -40°C +120°C

|                     | Low                                                                                 | Med                                                                                 | High                                                                                |
|---------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Flexibility         |  |  |  |
| Cycle Life          |  |  |  |
| Pressure Rating     |  |  |  |
| Chemical Resistance |  |  |  |
| Wall Thickness      |  |  |  |

### Construction

#### Use:

High pressure hydraulic oils, air and water.



#### Standards:

EN 853 1SN

### Specifications

| Part Number | Size   | Nominal Dia. |          | Max. Working Pressure |       | Min. Burst Pressure |       | Bend Radius |
|-------------|--------|--------------|----------|-----------------------|-------|---------------------|-------|-------------|
|             | inch   | I.D (mm)     | O.D (mm) | Bar                   | kPa   | Bar                 | kPa   | mm          |
| IH-R1AT-04  | 1/4"   | 6.4          | 13.4     | 225                   | 22500 | 900                 | 90000 | 100         |
| IH-R1AT-05  | 5/16"  | 7.9          | 50       | 215                   | 21500 | 850                 | 85000 | 105         |
| IH-R1AT-06  | 3/8"   | 9.5          | 17.4     | 180                   | 18000 | 720                 | 72000 | 130         |
| IH-R1AT-08  | 1/2"   | 12.7         | 20.3     | 160                   | 16000 | 640                 | 64000 | 180         |
| IH-R1AT-10  | 5/8"   | 15.9         | 23.7     | 130                   | 13000 | 520                 | 52000 | 200         |
| IH-R1AT-12  | 3/4"   | 19.0         | 27.7     | 105                   | 10500 | 420                 | 42000 | 240         |
| IH-R1AT-16  | 1"     | 25.4         | 35.6     | 88                    | 8800  | 352                 | 35200 | 300         |
| IH-R1AT-20  | 1 1/4" | 31.8         | 43       | 63                    | 6300  | 252                 | 25200 | 420         |
| IH-R1AT-24  | 1 1/2" | 38.1         | 50.4     | 50                    | 5000  | 200                 | 20000 | 500         |
| IH-R1AT-32  | 2"     | 50.8         | 63.5     | 40                    | 4000  | 160                 | 16000 | 630         |
| IH-R1AT-38  | 2 3/8" | 60.3         | 75       | 25                    | 2500  | 100                 | 10000 | 762         |
| IH-R1AT-40  | 2 1/2" | 63.5         | 79.5     | 25                    | 2500  | 100                 | 10000 | 762         |
| IH-R1AT-48  | 3"     | 76.2         | 94.4     | 20                    | 2000  | 80                  | 8000  | 915         |
| IH-R1AT-56  | 3 1/2" | 90           | 105.5    | 15                    | 1500  | 60                  | 6000  | 1067        |
| IH-R1AT-64  | 4"     | 101.6        | 177      | 10                    | 1000  | 40                  | 4000  | 1105        |

### Applications





## Rubber Hose - Hydraulic

### SAE 100 R2AT

**Part No.:** IH-R2AT

**Colour:** Black

**Tube:** Synthetic oil resistant rubber.

**Cover:** Synthetic rubber - abrasion, ozone and weather resistant.

**Reinforcement:** 2 high-tensile steel wire braids.

**Size Available:** 1/4" - 4"

**Temperature:** -40°C +120°C

|                     | Low                                                                                 | Med                                                                                 | High                                                                                |
|---------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Flexibility         |  |  |  |
| Cycle Life          |  |  |  |
| Pressure Rating     |  |  |  |
| Chemical Resistance |  |  |  |
| Wall Thickness      |  |  |  |

### Construction

#### Use:

High pressure hydraulic oils, air and water.



#### Standards:

EN 853 2SN

### Specifications

| Part Number | Size   | Nominal Dia. |          | Max. Working Pressure |       | Min. Burst Pressure |        | Bend Radius |
|-------------|--------|--------------|----------|-----------------------|-------|---------------------|--------|-------------|
|             | inch   | I.D (mm)     | O.D (mm) | Bar                   | kPa   | Bar                 | kPa    | mm          |
| IH-R2AT-04  | 1/4"   | 6.4          | 15.1     | 400                   | 40000 | 1600                | 160000 | 100         |
| IH-R2AT-05  | 5/16"  | 7.9          | 16.7     | 350                   | 35000 | 1400                | 140000 | 115         |
| IH-R2AT-06  | 3/8"   | 9.5          | 19.1     | 330                   | 33000 | 1320                | 132000 | 130         |
| IH-R2AT-08  | 1/2"   | 12.7         | 22.2     | 276                   | 27600 | 1103                | 110300 | 180         |
| IH-R2AT-10  | 5/8"   | 15.9         | 25.4     | 250                   | 25000 | 1000                | 100000 | 200         |
| IH-R2AT-12  | 3/4"   | 19.0         | 29.4     | 215                   | 21500 | 860                 | 86000  | 240         |
| IH-R2AT-16  | 1"     | 25.4         | 37.3     | 165                   | 16500 | 660                 | 66000  | 300         |
| IH-R2AT-20  | 1 1/4" | 31.8         | 48.3     | 125                   | 12500 | 500                 | 50000  | 420         |
| IH-R2AT-24  | 1 1/2" | 38.1         | 54.7     | 90                    | 9000  | 360                 | 36000  | 500         |
| IH-R2AT-32  | 2"     | 50.8         | 67.4     | 80                    | 8000  | 320                 | 32000  | 630         |
| IH-R2AT-38  | 2 3/8" | 60.3         | 75.8     | 70                    | 7000  | 280                 | 28000  | 762         |
| IH-R2AT-40  | 2 1/2" | 63.5         | 82.5     | 69                    | 6900  | 276                 | 27600  | 762         |
| IH-R2AT-48  | 3"     | 76.2         | 96       | 45                    | 4500  | 179                 | 17900  | 915         |
| IH-R2AT-56  | 3 1/2" | 90           | 107.5    | 28                    | 2800  | 110                 | 11000  | 1067        |
| IH-R2AT-64  | 4"     | 101.6        | 118.5    | 25                    | 2500  | 101                 | 10100  | 1105        |

### Applications



## Rubber Hose - Hydraulic

### SAE 100 R6

**Part No.:** IH-RR6

**Colour:** Black

**Tube:** Synthetic oil resistant rubber.

**Cover:** Synthetic rubber - abrasion, ozone and weather resistant.

**Reinforcement:** 1 textile braid.

**Size Available:** 1/4" - 1"

**Temperature:** -40°C +120°C

|                     | Low                                                                                 | Med                                                                                 | High                                                                                |
|---------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Flexibility         |  |  |  |
| Cycle Life          |  |  |  |
| Pressure Rating     |  |  |  |
| Chemical Resistance |  |  |  |
| Wall Thickness      |  |  |  |

### Construction

#### Use:

Low pressure hydraulic oils, air and water.



#### Standards:

EN 854

### Specifications

| Part Number | Size  | Nominal Dia. |          | Max. Working Pressure |      | Min. Burst Pressure |       | Bend Radius |
|-------------|-------|--------------|----------|-----------------------|------|---------------------|-------|-------------|
|             | inch  | I.D (mm)     | O.D (mm) | Bar                   | kPa  | Bar                 | kPa   | mm          |
| IH-RR6-04   | 1/4"  | 6.4          | 12.7     | 28                    | 2800 | 110                 | 11000 | 64          |
| IH-RR6-05   | 5/16" | 7.9          | 14.3     | 28                    | 2800 | 110                 | 11000 | 76          |
| IH-RR6-06   | 3/8"  | 9.5          | 15.9     | 28                    | 2800 | 110                 | 11000 | 76          |
| IH-RR6-08   | 1/2"  | 12.7         | 19.8     | 28                    | 2800 | 110                 | 11000 | 102         |
| IH-RR6-10   | 5/8"  | 15.9         | 23       | 24                    | 2400 | 97                  | 9700  | 127         |
| IH-RR6-12   | 3/4"  | 19.0         | 26       | 21                    | 2100 | 83                  | 8300  | 152         |
| IH-RR6-16   | 1"    | 25.4         | 32.5     | 13                    | 1300 | 52                  | 5200  | 230         |

### Applications



## Rubber Hose - Hydraulic

### SAE 100 R7

**Part No.:** IH-RR7

**Colour:** Black

**Tube:** Unplasticised polyester tube.

**Cover:** Black polyurethane outer cover.

**Reinforcement:** Single braid of polyester fibre.

**Size Available:** 3/16" - 1"

**Temperature:** -40°C +100°C

|                     | Low                                                                                 | Med                                                                                 | High                                                                                |
|---------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Flexibility         |  |  |  |
| Cycle Life          |  |  |  |
| Pressure Rating     |  |  |  |
| Chemical Resistance |  |  |  |
| Wall Thickness      |  |  |  |

### Construction

#### Use:

An all-purpose medium pressure hose suitable for many hydraulic and pneumatic systems. Compatible with hydraulic oils, grease, fuel oils, mineral oils and most phosphate esters.

#### Standards:

EN 853 2SN



### Specifications

| Part Number | Size  | Nominal Dia. |          | Max. Working Pressure |       | Min. Burst Pressure |       | Bend Radius |
|-------------|-------|--------------|----------|-----------------------|-------|---------------------|-------|-------------|
|             | inch  | I.D (mm)     | O.D (mm) | Bar                   | kPa   | Bar                 | kPa   | mm          |
| IH-RR7-03   | 3/16" | 4.7          | 10.5     | 207                   | 20700 | 827                 | 82700 | 75          |
| IH-RR7-04   | 1/4"  | 6.4          | 12.7     | 190                   | 19000 | 190                 | 19000 | 100         |
| IH-RR7-06   | 3/8"  | 9.6          | 16.3     | 155                   | 15500 | 620                 | 62000 | 127         |
| IH-RR7-08   | 1/2"  | 12.7         | 20.1     | 138                   | 13800 | 552                 | 55200 | 178         |
| IH-RR7-10   | 5/8"  | 15.9         | 24.4     | 103                   | 10300 | 412                 | 41200 | 203         |
| IH-RR7-12   | 3/4"  | 19.0         | 26.4     | 86                    | 8600  | 345                 | 34500 | 254         |
| IH-RR7-16   | 1"    | 25.4         | 33.3     | 69                    | 6900  | 276                 | 27600 | 305         |

### Applications



## Rubber Hose - Hydraulic

### SAE 100 R12

**Part No.:** IH-RR12

**Colour:** Black

**Tube:** Synthetic oil resistant rubber.

**Cover:** Synthetic rubber - abrasion, ozone and weather resistant.

**Reinforcement:** 4 high tensile steel wire spirals.

**Size Available:** 3/8" - 2"

**Temperature:** -40°C +100°C

|                     | Low                                                                                 | Med                                                                                 | High                                                                                |
|---------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Flexibility         |  |  |  |
| Cycle Life          |  |  |  |
| Pressure Rating     |  |  |  |
| Chemical Resistance |  |  |  |
| Wall Thickness      |  |  |  |

### Construction

#### Use:

Very high pressure hydraulics.



#### Standards:

EN 856

### Specifications

| Part Number | Size   | Nominal Dia. |          | Max. Working Pressure |       | Min. Burst Pressure |        | Bend Radius |
|-------------|--------|--------------|----------|-----------------------|-------|---------------------|--------|-------------|
|             | inch   | I.D (mm)     | O.D (mm) | Bar                   | kPa   | Bar                 | kPa    | mm          |
| IH-RR12-06  | 3/8"   | 9.5          | 20.1     | 276                   | 27600 | 1100                | 110000 | 127         |
| IH-RR12-08  | 1/2"   | 12.7         | 23.6     | 276                   | 27600 | 1100                | 110000 | 178         |
| IH-RR12-10  | 5/8"   | 15.9         | 27.2     | 276                   | 27600 | 1100                | 110000 | 203         |
| IH-RR12-12  | 3/4"   | 19.0         | 30.5     | 276                   | 27600 | 1100                | 110000 | 241         |
| IH-RR12-16  | 1"     | 25.4         | 37.8     | 276                   | 27600 | 1100                | 110000 | 305         |
| IH-RR12-20  | 1 1/4" | 31.8         | 46.8     | 207                   | 20700 | 825                 | 82500  | 419         |
| IH-RR12-24  | 1 1/2" | 38.1         | 53.3     | 172                   | 17200 | 625                 | 62500  | 508         |
| IH-RR12-32  | 2"     | 50.8         | 66.5     | 172                   | 17200 | 625                 | 62500  | 635         |

### Applications



## Rubber Hose - Hydraulic

### SAE 100 R13/EN856

**Part No.:** IH-RR13

**Colour:** Black

**Tube:** Oil resistant synthetic rubber.

**Cover:** Synthetic rubber - abrasion, ozone and weather resistant.

**Reinforcement:** 4 or 6 high tensile steel wire spirals.

**Size Available:** 3/8" - 2"

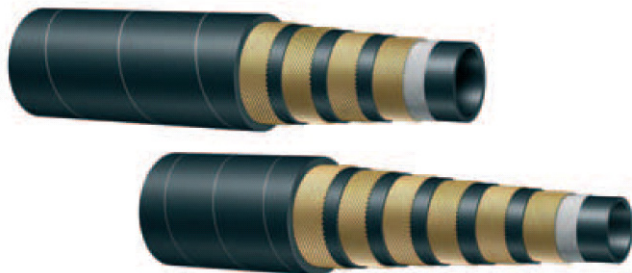
**Temperature:** -40°C +100°C

|                     | Low                                                                                 | Med                                                                                 | High                                                                                |
|---------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Flexibility         |  |  |  |
| Cycle Life          |  |  |  |
| Pressure Rating     |  |  |  |
| Chemical Resistance |  |  |  |
| Wall Thickness      |  |  |  |

### Construction

**Use:**

Extremely high pressure hydraulics.



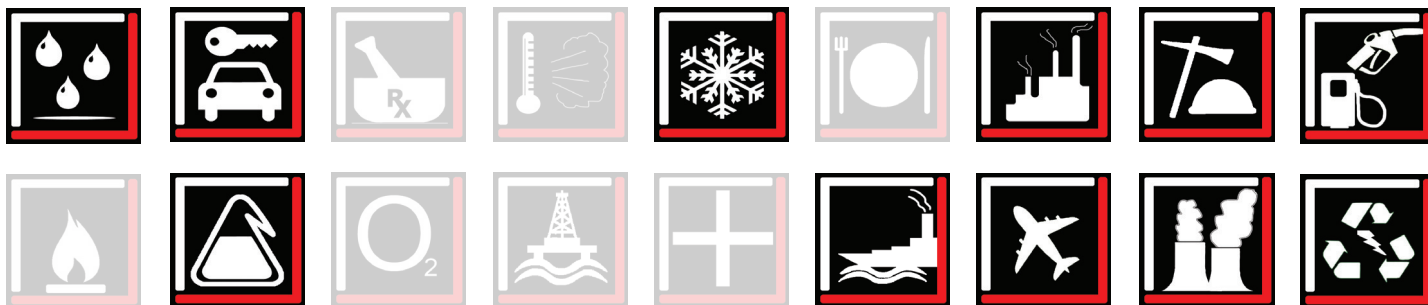
**Standards:**

EN 856

### Specifications

| Part Number | Size   | Nominal Dia. |          | Braid Layers | Max. Working Pressure |       | Min. Burst Pressure |        | Bend Radius |
|-------------|--------|--------------|----------|--------------|-----------------------|-------|---------------------|--------|-------------|
|             | inch   | I.D (mm)     | O.D (mm) | No.          | Bar                   | kPa   | Bar                 | kPa    | mm          |
| IH-RR13-06  | 3/8"   | 9.5          | 22.4     | 4            | 690                   | 69000 | 2760                | 276000 | 152         |
| IH-RR13-08  | 1/2"   | 12.7         | 25.5     | 4            | 517                   | 51700 | 2070                | 207000 | 200         |
| IH-RR13-12  | 3/4"   | 19           | 31.9     | 4            | 345                   | 34500 | 1380                | 138000 | 241         |
| IH-RR13-16  | 1"     | 25.4         | 38.5     | 4            | 345                   | 34500 | 1380                | 138000 | 305         |
| IH-RR13-20  | 1 1/4" | 31.8         | 49.6     | 6            | 345                   | 34500 | 1380                | 138000 | 419         |
| IH-RR13-24  | 1 1/2" | 38.1         | 57.1     | 6            | 345                   | 34500 | 1380                | 138000 | 508         |
| IH-RR13-32  | 2"     | 50.8         | 70.9     | 6            | 345                   | 34500 | 1380                | 138000 | 635         |

### Applications



## Rubber Hose - Hygienic Food Grade

### Edible Oil Hose

**Part No.:** IH-EHOH

**Tube:** White (NBR), compounded from material which meets FDA requirements.

**Reinforcement:** Single wire braid for additional safety from mechanical damage and kinking. Also aids in heat transfer for prolonged service life.

**Cover:** Grey (NBR) Meets FDA requirements.

**Size Available:** 1/2" - 3/4" (Larger sizes upon Request)

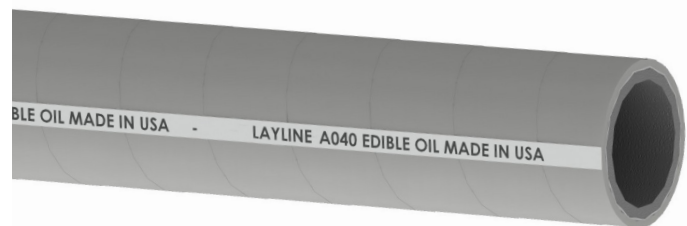
**Temperature:** -30°C +135°C (177°C Intermittent)

|                     | Low                                                                                 | Med                                                                                 | High                                                                                |
|---------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Flexibility         |  |  |  |
| Cycle Life          |  |  |  |
| Pressure Rating     |  |  |  |
| Chemical Resistance |  |  |  |
| Wall Thickness      |  |  |  |

### Construction

#### Use:

Edible liquids, vegetable oils, salad dressings, vinegar, mustard and meat products requiring a sanitary hose which will not impair taste. Excellent for service with hot oil fat filters and fryers.



### Specifications

| Part Number | Nominal Dia. |          |          | Working Pressure |     | Min. Bend Radius | Weight Per Mtr |
|-------------|--------------|----------|----------|------------------|-----|------------------|----------------|
|             | Inches       | I.D (mm) | O.D (mm) | kPa              | psi | mm               | kg.            |
| IH-EHOH-08  | 1/2"         | 6        | 25.9     | 1723             | 250 | 150              | 0.69           |
| IH-EHOH-10  | 5/8"         | 15       | 28.9     | 1723             | 250 | 175              | 0.76           |
| IH-EHOH-12  | 3/4"         | 20       | 32.1     | 1723             | 250 | 200              | 0.87           |

### Applications







# RUBBER & COMPOSITE HOSE

## Rubber Hose - Hygienic Food Grade

### Milk Tanker - Hard Wall

**Part No.:** IH-RMT

**Tube:** White NR

**Reinforcement:** High textile cords with embedded steel helix wire

**Cover:** Blue NR/EPDM - abrasion, ozone and oil resistant

**Size Available:** 1" - 4" (Larger sizes upon Request)

**Temperature:** -40°C +80°C

**Safety Factor:** 3:1

Low | Med | High

Flexibility ☐ ☐ ☒

Cycle Life ☐ ☐ ☒

Pressure Rating ☐ ☒ ☐

Chemical Resistance ☐ ☐ ☒

Wall Thickness ☐ ☐ ☒

### Construction

#### Use:

Liquid food and suction and delivery.  
Special construction for maximum flexibility in milk tanker applications. Sterilize with 5% soda solution.



#### Standards:

FDA

### Specifications

| Part Number | Nominal Dia. |          |          | Working Pressure |     | Min. Bend Radius | Vacuum | Weight Per Mtr |
|-------------|--------------|----------|----------|------------------|-----|------------------|--------|----------------|
|             | Inches       | I.D (mm) | O.D (mm) | kPa              | psi | mm               | %      | kg.            |
| IH-RMT-25   | 1"           | 25       | 35       | 1034             | 150 | 50               | 100    | 0.730          |
| IH-RMT-32   | 1 1/4"       | 32       | 42       | 1034             | 150 | 64               | 100    | 0.900          |
| IH-RMT-38   | 1 1/2"       | 38       | 48       | 1034             | 150 | 76               | 100    | 1.040          |
| IH-RMT-40   | 1 9/16"      | 40       | 50       | 1034             | 150 | 80               | 100    | 1.090          |
| IH-RMT-42   | 1 5/8"       | 42       | 52       | 1034             | 150 | 88               | 100    | 1.100          |
| IH-RMT-45   | 1 3/4"       | 45       | 52       | 1034             | 150 | 90               | 100    | 1.130          |
| IH-RMT-50   | 2"           | 51       | 61       | 1034             | 150 | 100              | 100    | 1.420          |
| IH-RMT-65   | 2 1/2"       | 63       | 75       | 1034             | 150 | 126              | 100    | 2.010          |
| IH-RMT-80   | 3"           | 76       | 88       | 1034             | 150 | 228              | 90     | 2.590          |
| IH-RMT-100  | 4"           | 102      | 116      | 1034             | 150 | 306              | 90     | 3.850          |

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RUBBER & COMPOSITE HOSE



# RUBBER & COMPOSITE HOSE

## Rubber Hose - Hygienic Food Grade

### Milk Suction & Delivery Hose Feedflex Hose

**Part No.:** IH-MILK-B

**Tube:** White, smooth NBR rubber compound, food quality odourless and taste free

**Reinforcement:** High strength synthetic plies with steel wire spirals

**Cover:** Blue, corrugated, cloth impression NBR rubber, resistant to abrasion, ozone and weather

**Size Available:** 1-1/4" to 6" (Larger sizes upon Request)

**Temperature:** -40°C +80°C sterilization at 110°C for 30 minutes

**Safety Factor:** 3:1

Low | Med | High

Flexibility ☐ ☒ ☐

Cycle Life ☐ ☐ ☒

Pressure Rating ☐ ☒ ☐

Chemical Resistance ☐ ☐ ☒

Wall Thickness ☐ ☒ ☐

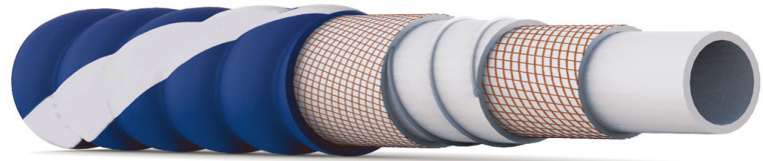
#### Construction

##### Use:

Suction and delivery hose for milk and fatty foods, very flexible

##### Standards:

FDA title 21 art.177.2600 (f) for fatty foods, BfR, ADI free, PHTHALATE free, D.M. 21/03/73, CE 1935/2004



#### Specifications

| Part Number   | Nominal Dia. |          |          | Working Pressure |     | Min. Bend Radius | Vacuum | Weight |
|---------------|--------------|----------|----------|------------------|-----|------------------|--------|--------|
|               | Inches       | I.D (mm) | O.D (mm) | kPa              | psi | mm               | Bar    | Kg/m   |
| IH-32-MILK-B  | 1 1/4"       | 32       | 44       | 1034             | 150 | 80               | 0.9    | 1.00   |
| IH-38-MILK-B  | 1 1/2"       | 38       | 50       | 1034             | 150 | 125              | 0.9    | 1.26   |
| IH-51-MILK-B  | 2"           | 51       | 65       | 1034             | 150 | 150              | 0.9    | 1.85   |
| IH-63-MILK-B  | 2 1/2"       | 63.5     | 77       | 1034             | 150 | 160              | 0.9    | 2.10   |
| IH-756MILK-B  | 3"           | 76       | 92       | 1034             | 150 | 190              | 0.9    | 2.90   |
| IH-102-MILK-B | 4"           | 102      | 118      | 1034             | 150 | 200              | 0.9    | 4.10   |
| IH-152-MILK-B | 6"           | 152      | 172      | 1034             | 150 | 425              | 0.9    | 8.30   |

#### Applications





# RUBBER & COMPOSITE HOSE

## Rubber Hose - Hygienic Food Grade

### Liquid Suction

**Part No.:** IH-RFS

**Tube:** White NR

**Reinforcement:** High textile cords with embedded steel helix wire

**Cover:** Red SBR/EPDM - abrasion and ozone resistant

**Size Available:** 1" - 4" (Larger sizes upon Request)

**Temperature:** -30°C +80°C

**Safety Factor:** 3:1

Low | Med | High

Flexibility ☐ ☐ ☒

Cycle Life ☐ ☐ ☒

Pressure Rating ☐ ☒ ☐

Chemical Resistance ☐ ☐ ☒

Wall Thickness ☐ ☐ ☒

### Construction

#### Use:

Liquid food and alcoholic beverages suction and delivery - max 50% proof.  
Special construction for maximum flexibility. Sterilize with 5% soda solution.



#### Standards:

FDA

### Specifications

| Part Number | Nominal Dia. |          |          | Working Pressure |     | Min. Bend Radius | Vacuum | Weight Per Mtr |
|-------------|--------------|----------|----------|------------------|-----|------------------|--------|----------------|
|             | Inches       | I.D (mm) | O.D (mm) | kPa              | psi | mm               | %      | kg.            |
| IH-RFS-23   | 1"           | 23       | 37       | 1034             | 150 | 75               | 100    | 0.910          |
| IH-RFS-38   | 1 1/2"       | 38       | 50       | 1034             | 150 | 114              | 100    | 1.250          |
| IH-RFS-40   | 1 9/16"      | 40       | 52       | 1034             | 150 | 120              | 100    | 1.300          |
| IH-RFS-51   | 2"           | 51       | 63       | 1034             | 150 | 153              | 100    | 1.610          |
| IH-RFS-76   | 3"           | 76       | 88       | 1034             | 150 | 228              | 90     | 2.530          |
| IH-RFS-102  | 4"           | 102      | 116      | 1034             | 150 | 306              | 90     | 3.510          |

### Applications



## Rubber Hose - Hygienic Food Grade

### Beverage Suction & Delivery Feedflex Hose

**Part No.:** IH-BEV-R

**Tube:** White, smooth butyl rubber compound, food quality odourless and taste free

**Reinforcement:** High strength synthetic plies with steel wire spirals

**Cover:** Red, corrugated, cloth impression EPDM rubber, resistant to abrasion, ozone and weather

**Size Available:** 1-1/4" - 4" (Larger sizes upon Request)

**Temperature:** -40°C +120°C sterilization at 110°C for 30 minutes

**Safety Factor:** 3:1

Low | Med | High

Flexibility ☐ ☐ ☒

Cycle Life ☐ ☐ ☒

Pressure Rating ☐ ☒ ☐

Chemical Resistance ☐ ☐ ☒

Wall Thickness ☐ ☐ ☒

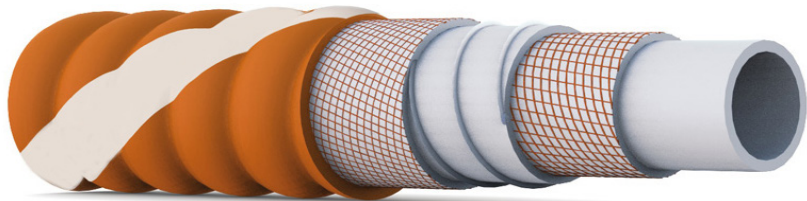
### Construction

#### Use:

Suction and delivery hose for beer, wine, alcohol, soft drinks, very flexible

#### Standards:

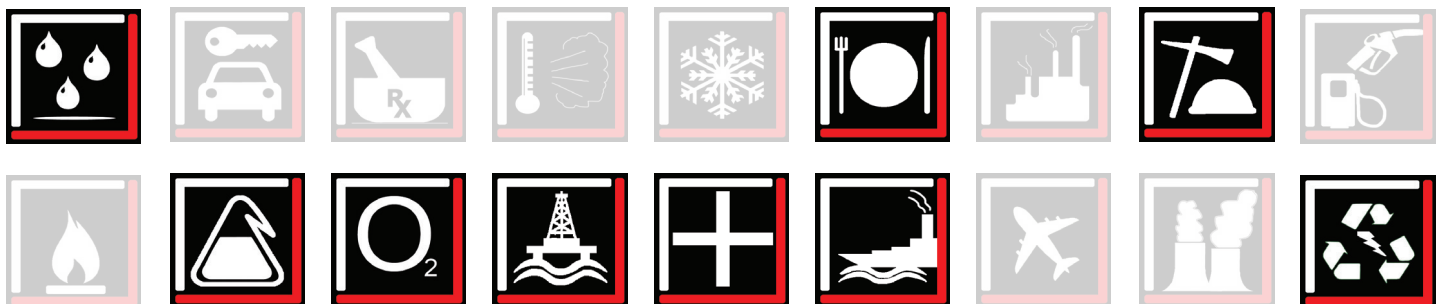
FDA title 21 art.177.2600 (e) for liquid foods, BfR, ADI free, PHTHALATE free, CE 1935/2004



### Specifications

| Part Number  | Nominal Dia. |          |          | Working Pressure |     | Min. Bend Radius | Vacuum | Weight |
|--------------|--------------|----------|----------|------------------|-----|------------------|--------|--------|
|              | Inches       | I.D (mm) | O.D (mm) | kPa              | psi | mm               | Bar    | Kg/m   |
| IH-32-BEV-R  | 1 1/4"       | 32       | 44       | 1241             | 180 | 115              | 0.9    | 1.04   |
| IH-38-BEV-R  | 1 1/2"       | 38       | 50       | 1241             | 180 | 140              | 0.9    | 1.51   |
| IH-51-BEV-R  | 2"           | 51       | 64       | 1241             | 180 | 195              | 0.9    | 1.95   |
| IH-63-BEV-R  | 2 1/2"       | 63.5     | 80       | 1241             | 180 | 270              | 0.9    | 3.10   |
| IH-76-BEV-R  | 3"           | 76       | 94       | 1241             | 180 | 285              | 0.9    | 3.60   |
| IH-102-BEV-R | 4"           | 102      | 120      | 1241             | 180 | 335              | 0.9    | 5.10   |

### Applications





# RUBBER & COMPOSITE HOSE

## Rubber Hose - Hygienic Food Grade

### Milk Tanker - Hard Wall Crush Resistant

**Part No.:** IH-RMTC

**Tube:** White NR - abrasion resistant

**Reinforcement:** High textile cords with antistatic wire

**Cover:** Black conductive SBR/NR - abrasion and ozone resistant

**Size Available:** 3" - 4 5/16" (Larger sizes upon Request)

**Temperature:** -30°C +80°C

**Safety Factor:** 3:1

|                     | Low | Med | High |
|---------------------|-----|-----|------|
| Flexibility         |     |     |      |
| Cycle Life          |     |     |      |
| Pressure Rating     |     |     |      |
| Chemical Resistance |     |     |      |
| Wall Thickness      |     |     |      |

#### Construction

##### Use:

Bulk food and material delivery.  
Specially designed for grain, flour and plastic pellets transfer.



##### Standards:

FDA

#### Specifications

| Part Number | Nominal Dia. |          |          | Working Pressure |     | Min. Bend Radius | Vacuum | Weight Per Mtr |
|-------------|--------------|----------|----------|------------------|-----|------------------|--------|----------------|
|             | Inches       | I.D (mm) | O.D (mm) | kPa              | psi | mm               | %      | kg.            |
| IH-RMTC-80  | 3"           | 75       | 93       | 517              | 75  | -                | -      | 2.380          |
| IH-RMTC-90  | 3 1/2"       | 90       | 102      | 517              | 75  | -                | -      | 2.130          |
| IH-RMTC-100 | 4"           | 100      | 120      | 517              | 75  | -                | -      | 3.550          |
| IH-RMTC-102 | 4"           | 102      | 118      | 517              | 75  | -                | -      | 2.760          |
| IH-RMTC-100 | 4"           | 102      | 120      | 517              | 75  | -                | -      | 3.180          |
| IH-RMTC-110 | 4 5/16"      | 110      | 122      | 517              | 75  | -                | -      | 2.550          |

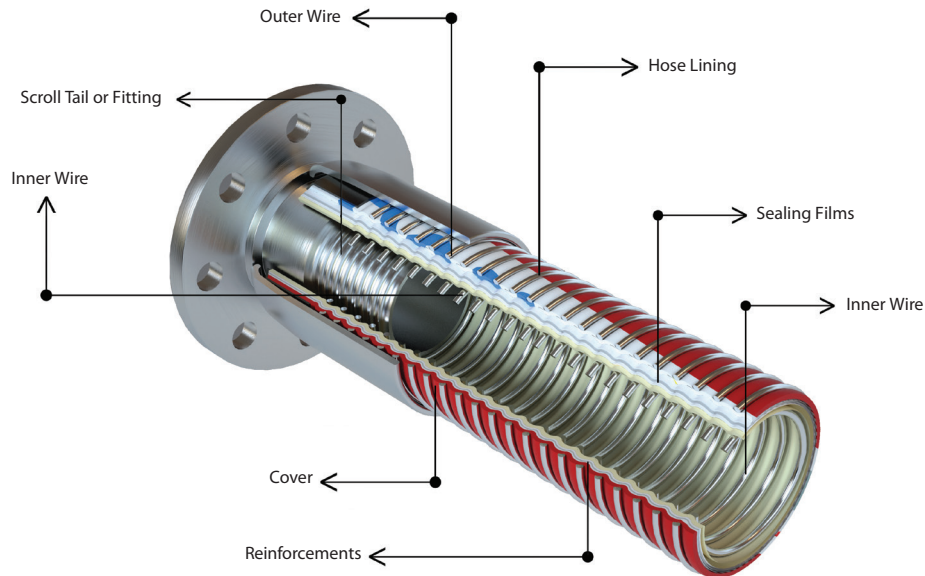
#### Applications



## Composite Hose Design

### Introduction

Composite hoses are made from quality materials. The inner films and fabrics provide optimum chemical resistance. Protected with the PVC impregnated outer covers, composite hoses provide the strength and versatility for all petrol and chemical applications.



Composite Hoses are designed to meet the most demanding transfer applications such as:

- Hydrocarbon
- Chemical
- Cryogenic

Composite hoses are reinforced offering strength, light weight, flexibility and versatility for variations in pressure, temperature and product conveyance compatibility. Composite Hose meets various Australian & International Standards and is available in sizes from 25mm – 250mm.

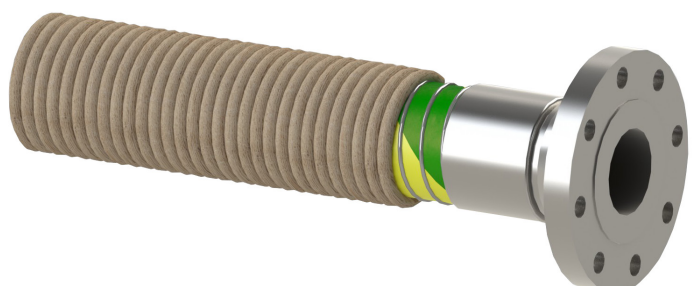
### Application

Transfer for road and rail tanker loading and discharging, storage tank and in-plant use  
Conveyants – petrol, diesel, kerosene, black oils, tallow and heavy lubricating products  
Ship-to-shore and ship-to-ship transfers, dock side and general shipboard use.

### Rope Lagging

All hoses can be supplied with rope lagging. It is necessary to specify at time of ordering. Polypropylene rope is used as lagging. Lagging insulates and protects the hose from abrasion and heat transfer.

| Nominal Dia. |        | Rope Diameter | Weight |
|--------------|--------|---------------|--------|
| mm           | inches | mm            | Kg/M   |
| 25           | 1      | 8             | 0.48   |
| 32           | 1 1/4  | 8             | 0.65   |
| 39           | 1 1/2  | 8             | 0.70   |
| 51           | 2      | 8             | 0.80   |
| 63           | 2 1/2  | 10            | 1.25   |
| 76           | 3      | 10            | 1.50   |
| 102          | 4      | 10            | 2.00   |
| 152          | 6      | 12            | 2.90   |





## Composite Hose Design

### Hose Assemblies

Due to the often hazardous conveyance used it is recommended that composite hose 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 safety factor.

### Testing

All hose assemblies must be pressure tested hydrostatically to one and a half times the maximum recommended working pressure and electrically tested to confirm continuity per:

- AS2683, AS2594, AS1180, AS2117
- BSEN13765:2010, BS5842:1980
- EN13766:2010, EN ISO 8031:2009, EN ISO 1402

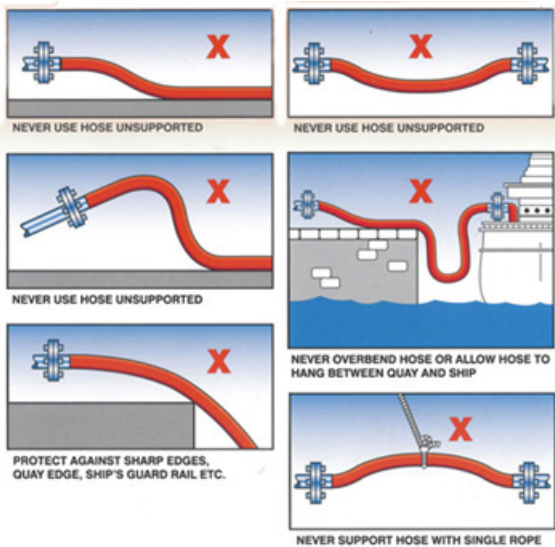
### Fittings

A wide range of fittings can be supplied such as Camlocks, Screwed fittings, flanges etc.

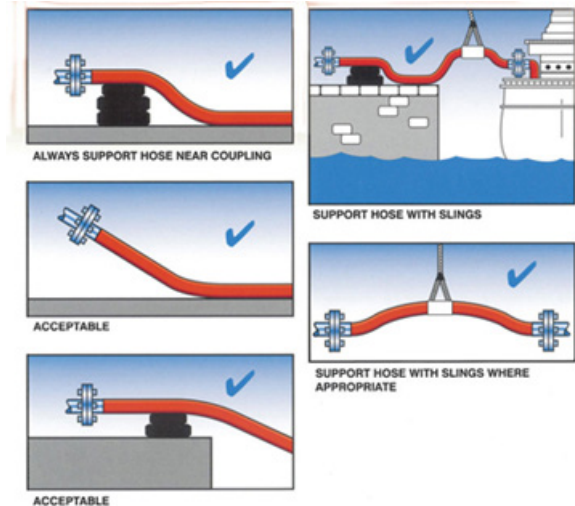
Material fittings - Stainless Steel, Aluminum, Custom.

## Composite Hose Handling Guide

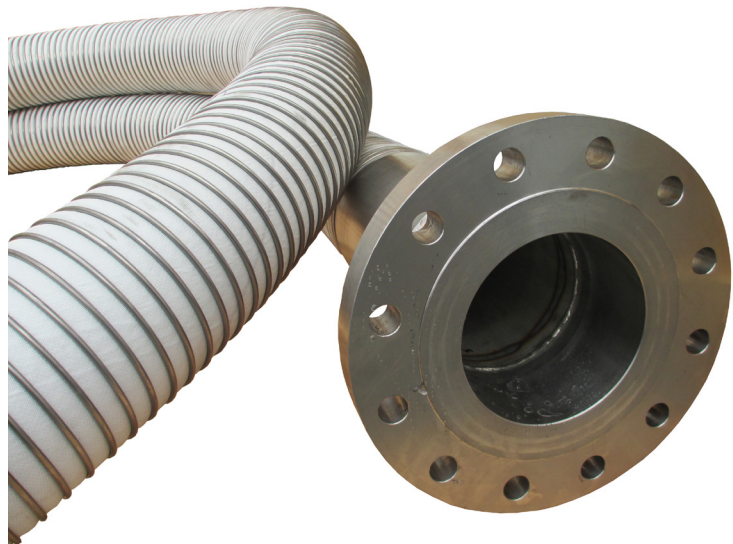
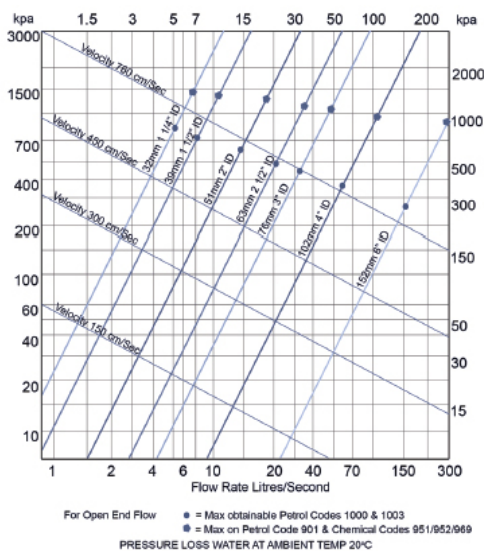
### INCORRECT



### CORRECT



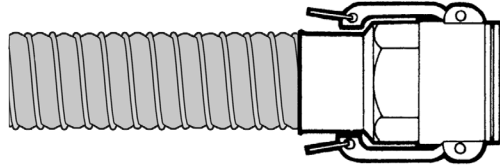
### Pressure Loss Flow Chart



## Fittings for Composite Hose (Swagged or Wire Whipped)

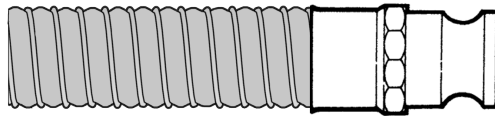
QL2

Female Camlock



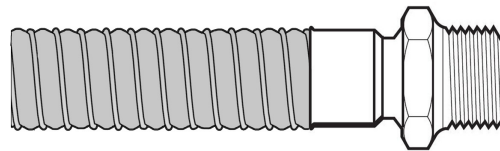
QL1

Male Camlock



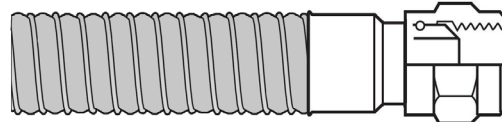
AF1

Fixed Male



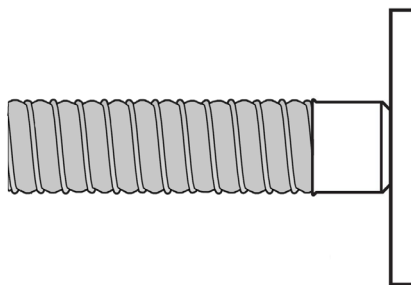
AF2

Swivel Female



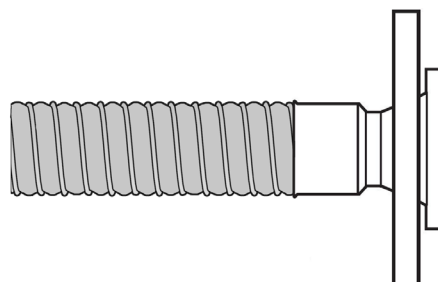
AF3

Fixed Flange



AF4

Floating Flange





# RUBBER & COMPOSITE HOSE

## Composite Hose - Petroleum

### Composite Hose - Code 1000

**Part No.:** CH-1000

**Colour:** Green / Yellow Stripe

**Inner Wire:** Galvanised Steel

**Reinforcement:** Polypropylene Fabric and Films

**Outer Wire:** Galvanised Steel

**Crimping:** Swagged or Wire Whipped

**Size Available:** 1" - 6"

(Larger sizes upon Request)

**Temperature:** -20°C +80°C

**Type:** 1

**Grade:** 3

**Electrical kind:** 1

Low | Med | High

Flexibility



Cycle Life



Pressure Rating



Chemical Resistance



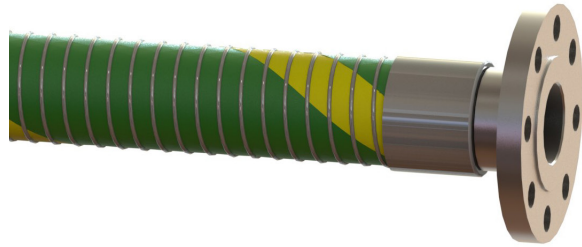
Wall Thickness



### Construction

#### Use:

A robust but light weight hose designed for ease of use as a road tanker delivery hose for petrol, diesel and low viscosity oils.



#### Standards:

AS2683

### Specifications

| Part Number | Nominal Dia. |          |          | Max. Working Pressure |     | Max. Burst Pressure |     | Min. Bend Radius | Weight Per Mtr |
|-------------|--------------|----------|----------|-----------------------|-----|---------------------|-----|------------------|----------------|
|             | Inches       | I.D (mm) | O.D (mm) | kPa                   | psi | kPa                 | psi | mm               | kg.            |
| CH-1000-25  | 1"           | 25       | 32       | 700                   | 101 | 2800                | 406 | 60               | 0.8            |
| CH-1000-32  | 1 1/4"       | 32       | 38       | 700                   | 101 | 2800                | 406 | 75               | 1.0            |
| CH-1000-40  | 1 1/2"       | 39       | 48       | 700                   | 101 | 2800                | 406 | 75               | 1.3            |
| CH-1000-50  | 2"           | 51       | 63       | 700                   | 101 | 2800                | 406 | 90               | 1.6            |
| CH-1000-65  | 2 1/2"       | 63       | 75       | 700                   | 101 | 2800                | 406 | 100              | 2.4            |
| CH-1000-75  | 3"           | 76       | 90       | 700                   | 101 | 2800                | 406 | 125              | 2.8            |
| CH-1000-100 | 4"           | 102      | 112      | 700                   | 101 | 2800                | 406 | 200              | 4.1            |
| CH-1000-150 | 6"           | 152      | 170      | 700                   | 101 | 2800                | 406 | 400              | 7.8            |

Safety Factor: 4:1 Standard Duty. (Burst Pressure: Working Pressure)

### Applications



## Composite Hose - Petroleum

### Composite Hose - Code 1003

**Part No.:** CH-1003

**Colour:** Yellow / Green Stripe

**Inner Wire:** Aluminium

**Reinforcement:** Polypropylene Fabric and Films

**Outer Wire:** Galvanised Steel

**Crimping:** Swagged or Wire Whipped

**Size Available:** 2" - 4"

(Larger sizes upon Request)

**Temperature:** -20°C +80°C

**Type:** 1

**Grade:** 3

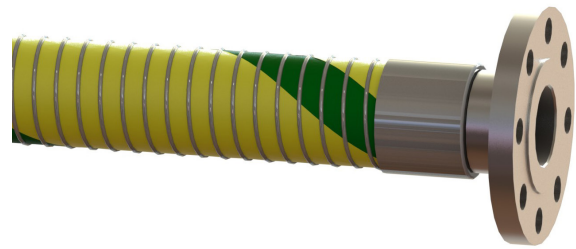
**Electrical kind:** 1

|                     | Low                                                                                 | Med                                                                                 | High                                                                                |
|---------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Flexibility         |  |  |  |
| Cycle Life          |  |  |  |
| Pressure Rating     |  |  |  |
| Chemical Resistance |  |  |  |
| Wall Thickness      |  |  |  |

### Construction

#### Use:

Its principal use is for gravity and low pressure delivery of petrol and diesel to forecourts from road tankers. Light weight makes operating and handling easy.



#### Standards:

AS2683

### Specifications

| Part Number | Nominal Dia. |          |          | Max. Working Pressure |     | Max. Burst Pressure |     | Min. Bend Radius | Weight Per Mtr |
|-------------|--------------|----------|----------|-----------------------|-----|---------------------|-----|------------------|----------------|
|             | Inches       | I.D (mm) | O.D (mm) | kPa                   | psi | kPa                 | psi | mm               | kg.            |
| CH-1003-50  | 2"           | 51       | 63       | 400                   | 58  | 1600                | 232 | 90               | 1.25           |
| CH-1003-65  | 2 1/2"       | 63       | 75       | 400                   | 58  | 1600                | 232 | 100              | 1.75           |
| CH-1003-75  | 3"           | 76       | 90       | 400                   | 58  | 1600                | 232 | 125              | 2.0            |
| CH-1003-100 | 4"           | 102      | 112      | 400                   | 58  | 1600                | 232 | 200              | 2.5            |

Safety Factor: 4:1 Standard Duty. (Burst Pressure: Working Pressure)

### Applications



## Composite Hose - Petroleum

### Composite Hose - Code 901

**Part No.:** CH-901

**Colour:** Black

**Inner Wire:** Galvanised Steel

**Reinforcement:** Polypropylene Fabric and Films

**Outer Wire:** Galvanised Steel

**Crimping:** Swagged or Wire Whipped

**Size Available:** 1" - 6"

(Larger sizes upon Request)

**Temperature:** -20°C +80°C

**Type:** 2

**Grade:** 2

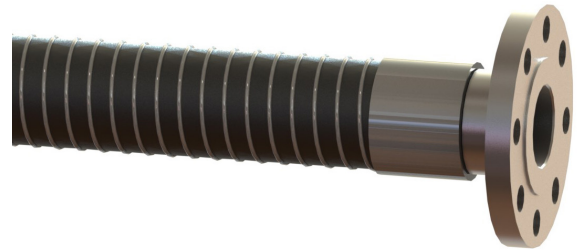
**Electrical kind:** A - Continuous

|                     | Low                                                                                 | Med                                                                                 | High                                                                                |
|---------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Flexibility         |  |  |  |
| Cycle Life          |  |  |  |
| Pressure Rating     |  |  |  |
| Chemical Resistance |  |  |  |
| Wall Thickness      |  |  |  |

### Construction

#### Use:

A tough, high strength oil and petroleum transfer hose. Applications such as rail car loading and unloading, road tanker bottom loading, lubricating oil plant hose exchanges. The hose is lined and reinforced with polypropylene fabrics and sealed with polypropylene films. The cover is a wear and weatherproof layer of PVC coated polyester.



#### Applicable Standards

AS2117, BS5842:1980, EN13765, AS2683

### Specifications

| Part Number | Nominal Dia. |          |          | Max. Working Pressure |     | Max. Burst Pressure |     | Min. Bend Radius | Weight Per Mtr |
|-------------|--------------|----------|----------|-----------------------|-----|---------------------|-----|------------------|----------------|
|             | Inches       | I.D (mm) | O.D (mm) | kPa                   | psi | kPa                 | psi | mm               | kg.            |
| CH-901-25   | 1"           | 25       | 35       | 1000                  | 145 | 4000                | 580 | 100              | 0.9            |
| CH-901-32   | 1 1/4"       | 32       | 42       | 1000                  | 145 | 4000                | 580 | 125              | 1.3            |
| CH-901-40   | 1 1/2"       | 39       | 50       | 1000                  | 145 | 4000                | 580 | 140              | 1.5            |
| CH-901-50   | 2"           | 51       | 65       | 1000                  | 145 | 4000                | 580 | 170              | 1.9            |
| CH-901-65   | 2 1/2"       | 63       | 76       | 1000                  | 145 | 4000                | 580 | 200              | 3.0            |
| CH-901-75   | 3"           | 76       | 90       | 1000                  | 145 | 4000                | 580 | 270              | 3.4            |
| CH-901-100  | 4"           | 102      | 120      | 1000                  | 145 | 4000                | 580 | 340              | 6.5            |
| CH-901-150  | 6"           | 152      | 180      | 1000                  | 145 | 4000                | 580 | 700              | 12.4           |

Safety Factor: 4:1 Standard Duty. (Burst Pressure: Working Pressure)

### Applications





## Composite Hose - Vapour Recovery

### Composite Hose - Code 400 Vapour

**Part No.:** CH-400

**Colour:** Standard Black / Yellow Stripe

**Inner Wire:** Galvanised Steel

**Reinforcement:** Polypropylene Fabric and Films

**Outer Wire:** Galvanised Steel

**Crimping:** Swagged or Wire Whipped

**Size Available:** 4"

(Larger sizes upon Request)

**Temperature:** -20°C +80°C

**Type:** 1

**Grade:** 3

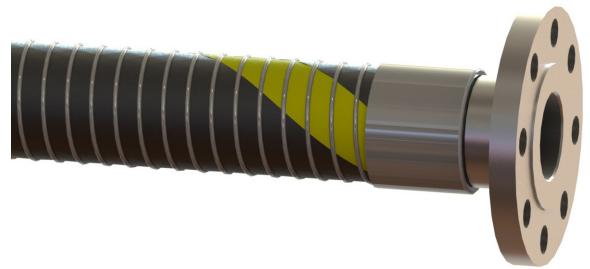
**Electrical kind:** 1

|                     | Low                                                                                 | Med                                                                                 | High                                                                                |
|---------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Flexibility         |  |  |  |
| Cycle Life          |  |  |  |
| Pressure Rating     |  |  |  |
| Chemical Resistance |  |  |  |
| Wall Thickness      |  |  |  |

### Construction

#### Use:

Built for vapour return of hydrocarbon products in marine, road and rail tanker operations. Suitable for the collection or transfer of hydrocarbon vapors within the oil industry. Vapour hoses are robust, but light weight and extremely flexible.



#### Applicable Standards

AS2683, BSEN13765: Type 1

### Specifications

| Part Number | Nominal Dia. |          |          | Max. Working Pressure |     | Max. Burst Pressure |     | Min. Bend Radius | Weight Per Mtr |
|-------------|--------------|----------|----------|-----------------------|-----|---------------------|-----|------------------|----------------|
|             | Inches       | I.D (mm) | O.D (mm) | kPa                   | psi | kPa                 | psi | mm               | kg.            |
| CH-400-100  | 4'           | 102      | 112      | 400                   | 58  | 1600                | 232 | 200              | 4.1            |

Safety Factor: 4:1 Standard Duty. (Burst Pressure: Working Pressure)

### Applications





## Composite Hose - Chemical

### Composite Hose - Code 951

**Part No.:** CH-951

**Colour:** Standard Grey / Red Stripe

**Inner Wire:** Polypropylene Coated Steel

**Reinforcement:** Polypropylene Fabric and Films

**Outer Wire:** Galvanised Steel

**Crimping:** Swagged or Wire Whipped

**Size Available:** 1" - 4"

(Larger sizes upon Request)

**Temperature:** -20°C +80°C

**Type:** 2/3

**Grade:** 2

**Electrical kind:** B - Discontinuous

Low | Med | High

Flexibility



Cycle Life



Pressure Rating



Chemical Resistance



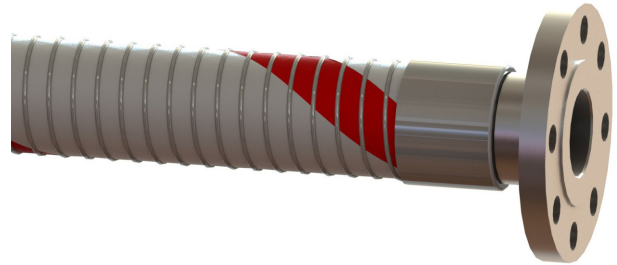
Wall Thickness



### Construction

#### Use:

Manufactured from multiple layers of polypropylene fabrics and films. Some typical applications are in plant transfer of liquid chemicals, vegetable and mineral oils and loading and unloading of these products to and from road tankers, rail tankers and marine tanker ships.



#### Applicable Standards

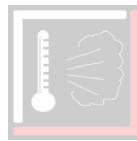
AS2117, BSEN13765: Type 3, BS5842:1980, AS2594

### Specifications

| Part Number | Nominal Dia. |          |          | Max. Working Pressure |     | Max. Burst Pressure |     | Min. Bend Radius | Weight Per Mtr |
|-------------|--------------|----------|----------|-----------------------|-----|---------------------|-----|------------------|----------------|
|             | Inches       | I.D (mm) | O.D (mm) | kPa                   | psi | kPa                 | psi | mm               | kg.            |
| CH-951-25   | 1"           | 25       | 38       | 1000                  | 145 | 4000                | 580 | 100              | 0.9            |
| CH-951-32   | 1 1/4"       | 32       | 45       | 1000                  | 145 | 4000                | 580 | 125              | 1.3            |
| CH-951-40   | 1 1/2"       | 39       | 50       | 1000                  | 145 | 4000                | 580 | 140              | 1.5            |
| CH-951-50   | 2"           | 51       | 65       | 1000                  | 145 | 4000                | 580 | 170              | 1.8            |
| CH-951-63   | 2 1/2"       | 63       | 78       | 1000                  | 145 | 4000                | 580 | 200              | 2.7            |
| CH-951-75   | 3"           | 76       | 92       | 1000                  | 145 | 4000                | 580 | 270              | 3.3            |
| CH-951-100  | 4"           | 102      | 120      | 1000                  | 145 | 4000                | 580 | 340              | 6.3            |

Safety Factor: 4:1 Standard Duty. (Burst Pressure: Working Pressure)

### Applications



## Composite Hose - Chemical

### Composite Hose - Code 952

**Part No.:** CH-952

**Colour:** Standard Grey / Blue Stripe

**Inner Wire:** Polypropylene Coated Steel

**Reinforcement:** Polypropylene Fabric and Films

**Outer Wire:** Stainless Steel

**Crimping:** Swagged or Wire Whipped

**Size Available:** 1" - 4"

(Larger sizes upon Request)

**Temperature:** -20°C +80°C

**Type:** 2/3

**Grade:** 2

**Electrical kind:** B - Discontinuous

|                     | Low                                                                                 | Med                                                                                 | High                                                                                |
|---------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Flexibility         |  |  |  |
| Cycle Life          |  |  |  |
| Pressure Rating     |  |  |  |
| Chemical Resistance |  |  |  |
| Wall Thickness      |  |  |  |

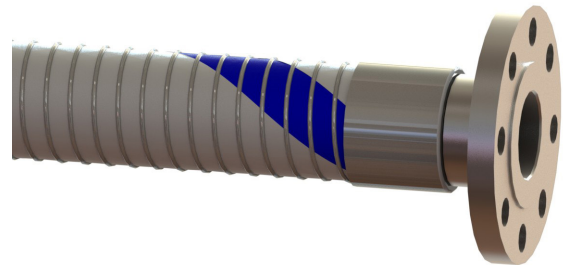
### Construction

#### Use:

This hose is identical in its construction to CODE 951 with the exception of having an outer wire of stainless steel. Like CODE 951, CODE 952 is typically used in applications involving plant transfer of liquid chemicals, vegetable and mineral oils and loading and unloading of these products to and from, road tankers, rail tankers and marine tanker ships.

#### Applicable Standards

AS2117, BSEN13765: Type 3, BS5842:1980, AS2594



### Specifications

| Part Number | Nominal Dia. |          |          | Max. Working Pressure |     | Max. Burst Pressure |     | Min. Bend Radius | Weight Per Mtr |
|-------------|--------------|----------|----------|-----------------------|-----|---------------------|-----|------------------|----------------|
|             | Inches       | I.D (mm) | O.D (mm) | kPa                   | psi | kPa                 | psi | mm               | kg.            |
| CH-952-25   | 1"           | 25       | 38       | 1000                  | 145 | 4000                | 580 | 100              | 0.9            |
| CH-952-32   | 1 1/4"       | 32       | 45       | 1000                  | 145 | 4000                | 580 | 125              | 1.3            |
| CH-952-40   | 1 1/2"       | 39       | 50       | 1000                  | 145 | 4000                | 580 | 140              | 1.5            |
| CH-952-50   | 2"           | 51       | 65       | 1000                  | 145 | 4000                | 580 | 170              | 1.8            |
| CH-952-65   | 2 1/2"       | 63       | 78       | 1000                  | 145 | 4000                | 580 | 200              | 2.7            |
| CH-952-75   | 3"           | 76       | 92       | 1000                  | 145 | 4000                | 580 | 270              | 3.3            |
| CH-952-100  | 4"           | 102      | 120      | 1000                  | 145 | 4000                | 580 | 340              | 6.3            |

Safety Factor: 4:1 Standard Duty. (Burst Pressure: Working Pressure)

### Applications





# RUBBER & COMPOSITE HOSE

## Composite Hose - Chemical

### Composite Hose - Code 969

**Part No.:** CH-969

**Colour:** Orange / Blue Stripe

**Inner Wire:** Stainless Steel

**Reinforcement:** Polypropylene Fabric and Films

**Outer Wire:** Galvanised Steel

**Crimping:** Swagged or Wire Whipped

**Size Available:** 1" - 6" (Larger sizes upon Request)

**Temperature:** -20°C +80°C

**Type:** 2/3

**Grade:** 2

**Electrical kind:** A - Continuous

|                     | Low | Med | High |
|---------------------|-----|-----|------|
| Flexibility         |     |     |      |
| Cycle Life          |     |     |      |
| Pressure Rating     |     |     |      |
| Chemical Resistance |     |     |      |
| Wall Thickness      |     |     |      |

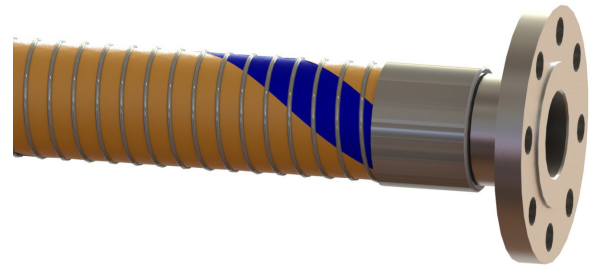
### Construction

#### Use:

Manufactured from multiple layers of polypropylene fabrics and films. The inner wire helix is stainless steel 316. The outer wire helix is galvanised steel. Again, CODE 969 is typically used in applications involving plant transfer of liquid chemicals, vegetable and mineral oils and loading and unloading of these products to and from, road tankers, rail tankers and marine tanker ships.

#### Applicable Standards

AS2117, BSEN13765: Type 3, BS5842:1980, AS2594



### Specifications

| Part Number | Nominal Dia. |          |          | Max. Working Pressure |     | Max. Burst Pressure |     | Min. Bend Radius | Weight Per Mtr |
|-------------|--------------|----------|----------|-----------------------|-----|---------------------|-----|------------------|----------------|
|             | Inches       | I.D (mm) | O.D (mm) | kPa                   | psi | kPa                 | psi | mm               | kg.            |
| CH-969-25   | 1"           | 25       | 38       | 1000                  | 145 | 4000                | 580 | 100              | 0.9            |
| CH-969-32   | 1 1/4"       | 32       | 45       | 1000                  | 145 | 4000                | 580 | 125              | 1.3            |
| CH-969-40   | 1 1/2"       | 39       | 50       | 1000                  | 145 | 4000                | 580 | 140              | 1.5            |
| CH-969-50   | 2"           | 51       | 65       | 1000                  | 145 | 4000                | 580 | 170              | 1.9            |
| CH-969-65   | 2 1/2"       | 63       | 78       | 1000                  | 145 | 4000                | 580 | 200              | 3              |
| CH-969-75   | 3"           | 76       | 92       | 1000                  | 145 | 4000                | 580 | 270              | 3.4            |
| CH-969-100  | 4"           | 102      | 120      | 1000                  | 145 | 4000                | 580 | 340              | 6.5            |
| CH-969-150  | 6"           | 152      | 180      | 1000                  | 145 | 4000                | 580 | 700              | 12.4           |

Safety Factor: 4:1 Standard Duty. (Burst Pressure: Working Pressure)

### Applications



## Composite Hose - Chemical

### Composite Hose - Code 969ASS

**Part No.:** CH-969ASS

**Colour:** Orange / Blue Stripe

**Inner Wire:** Stainless Steel

**Reinforcement:** Polypropylene Fabric and Films

**Outer Wire:** Stainless Steel

**Crimping:** Swagged or Wire Whipped

**Size Available:** 1" - 4" (Larger sizes upon Request)

**Temperature:** -20°C +80°C

**Type:** 2/3

**Grade:** 2

**Electrical kind:** A - Continuous

|                     | Low                                                                                 | Med                                                                                 | High                                                                                |
|---------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Flexibility         |  |  |  |
| Cycle Life          |  |  |  |
| Pressure Rating     |  |  |  |
| Chemical Resistance |  |  |  |
| Wall Thickness      |  |  |  |

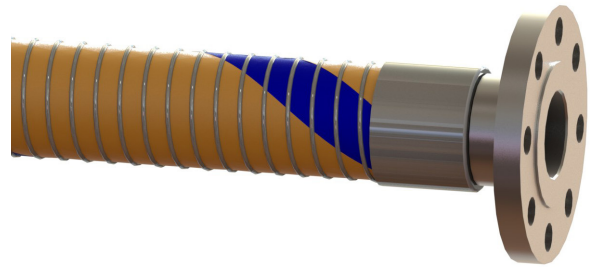
### Construction

#### Use:

This hose is identical in its construction to CODE 969 with the exception of having an outer wire of stainless steel 316. Like CODE 969, CODE 969ASS is typically used in applications involving plant transfer of liquid chemicals, vegetable and mineral oils and loading and unloading of these products to and from, road tankers, rail tankers and marine tanker ships.

#### Applicable Standards

AS2117, BSEN13765: Type 3, BS5842:1980, AS2594



### Specifications

| Part Number   | Nominal Dia. |          |          | Max. Working Pressure |     | Max. Burst Pressure |     | Min. Bend Radius | Weight Per Mtr |
|---------------|--------------|----------|----------|-----------------------|-----|---------------------|-----|------------------|----------------|
|               | Inches       | I.D (mm) | O.D (mm) | kPa                   | psi | kPa                 | psi | mm               | kg.            |
| CH-969ASS-25  | 1"           | 25       | 38       | 1000                  | 145 | 4000                | 580 | 100              | 0.9            |
| CH-969ASS-40  | 1 1/2"       | 39       | 50       | 1000                  | 145 | 4000                | 580 | 140              | 1.5            |
| CH-969ASS-50  | 2"           | 51       | 65       | 1000                  | 145 | 4000                | 580 | 170              | 1.8            |
| CH-969ASS-65  | 2 1/2"       | 63       | 78       | 1000                  | 145 | 4000                | 580 | 200              | 2.7            |
| CH-969ASS-75  | 3"           | 76       | 92       | 1000                  | 145 | 4000                | 580 | 270              | 3.3            |
| CH-969ASS-100 | 4"           | 100      | 120      | 1000                  | 145 | 4000                | 580 | 340              | 6.3            |
| CH-969ASS-150 | 6"           | 152      | 180      | 1000                  | 145 | 4000                | 580 | 700              | 12.2           |

Safety Factor: 4:1 Standard Duty. (Burst Pressure: Working Pressure)

### Applications



## Composite Hose - Chemical

### Composite Hose - 900HD PTFE

**Part No.:** CH-PTFE900

**Colour:** Purple / Yellow Stripe

**Inner Wire:** PVDF Coated Stainless Steel

**Lining:** White PVDF high wall thickness

**Cover:** FEP seamless tubular extruded film

**Reinforcement:** Polyester Fabrics

**Outer Wire:** Stainless Steel

**Crimping:** Swagged or Wire Whipped

**Size Available:** 3/4" - 12"

**Temperature:** -40°C +125°C

Low | Med | High

Flexibility   

Cycle Life   

Pressure Rating   

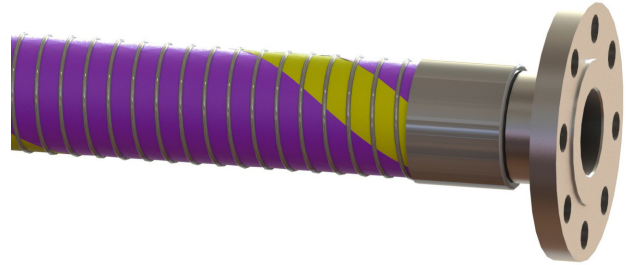
Chemical Resistance   

Wall Thickness   

#### Construction

##### Use:

Designed for very aggressive chemicals. It is used in such applications as transfer of all the Chlorine derivates, Hydrochloric acid, Nitric and Sulphuric acid. Heavy Duty construction, can be used in general for the most arduous Industrial and Marine applications.



##### Applicable Standards

EN 13765:2010 TYPE 3, EN ISO 1746

#### Specifications

| Part Number      | Nominal Dia. |          | Max. Working Pressure |     | Max. Burst Pressure |      | Min. Bend Radius | Weight Per Mtr |
|------------------|--------------|----------|-----------------------|-----|---------------------|------|------------------|----------------|
|                  | Inches       | I.D (mm) | kPa                   | psi | kPa                 | psi  | mm               | kg.            |
| CH-PTFE900HD-20  | 3/4"         | 20       | 2000                  | 300 | 10000               | 1500 | 75               | 0.63           |
| CH-PTFE900HD-25  | 1"           | 25       | 2000                  | 300 | 10000               | 1500 | 100              | 0.77           |
| CH-PTFE900HD-32  | 1 1/4"       | 32       | 2000                  | 300 | 10000               | 1500 | 125              | 1.05           |
| CH-PTFE900HD-40  | 1 1/2"       | 40       | 2000                  | 300 | 10000               | 1500 | 140              | 1.33           |
| CH-PTFE900HD-50  | 2"           | 50       | 2000                  | 300 | 10000               | 1500 | 180              | 2.04           |
| CH-PTFE900HD-65  | 2 1/2"       | 65       | 2000                  | 300 | 10000               | 1500 | 220              | 2.75           |
| CH-PTFE900HD-80  | 3"           | 75       | 2000                  | 300 | 10000               | 1500 | 180              | 3.15           |
| CH-PTFE900HD-100 | 4"           | 100      | 2000                  | 300 | 10000               | 1500 | 400              | 4.74           |
| CH-PTFE900HD-150 | 6"           | 150      | 2000                  | 300 | 10000               | 1500 | 574              | 10.00          |
| CH-PTFE900HD-200 | 8"           | 200      | 2000                  | 300 | 10000               | 1500 | 800              | 12.85          |
| CH-PTFE900HD-250 | 10"          | 250      | 2000                  | 300 | 10000               | 1500 | 1000             | 20.85          |
| CH-PTFE900HD-300 | 12"          | 300      | 2000                  | 300 | 10000               | 1500 | 1200             | 31.69          |

Safety Factor: 5:1 Standard Duty. (Burst Pressure: Working Pressure)

#### Applications



## Composite Hose - Chemical

### Composite Hose - 300SD PTFE

**Part No.:** CH-PTFE300SD

**Colour:** Red / Yellow Stripe

**Inner Wire:** 316 Stainless Steel

**Lining:** ECTFE films

**Cover:** Polyvinyl coated polyester fabric cover

**Reinforcement:** Polyethylene films

**Outer Wire:** 316 Stainless Steel

**Crimping:** Swagged or Wire Whipped

**Size Available:** 1 1/2" - 8"

**Temperature:** -40°C +125°C

Low | Med | High

Flexibility   

Cycle Life   

Pressure Rating   

Chemical Resistance   

Wall Thickness   

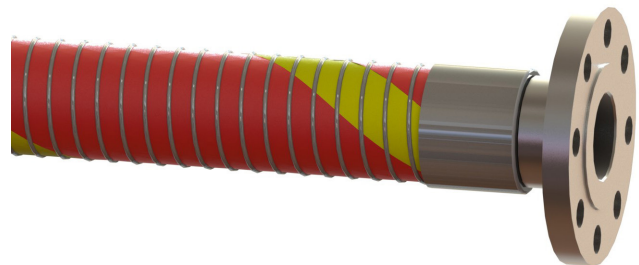
### Construction

#### Use:

General purpose Standard Duty hose suitable for the safe transfer of a wide variety of Chemicals under suction or pressure where the chemical resistance of polypropylene is inadequate. Commonly used for loading and unloading of road and rail tankers, storage tank and in-plant applications.

#### Applicable Standards

EN 13765:2010, AS2682, AS2117



### Specifications

| Part Number      | Nominal Dia. |          | Max. Working Pressure |     | Max. Burst Pressure |      | Min. Bend Radius | Weight Per Mtr |
|------------------|--------------|----------|-----------------------|-----|---------------------|------|------------------|----------------|
|                  | Inches       | I.D (mm) | kPa                   | psi | kPa                 | psi  | mm               | kg.            |
| CH-PTFE300SD-40  | 1 1/2"       | 40       | 1400                  | 200 | 7000                | 1015 | 140              | 1.33           |
| CH-PTFE300SD-50  | 2"           | 50       | 1400                  | 200 | 7000                | 1015 | 180              | 2.04           |
| CH-PTFE300SD-65  | 2 1/2"       | 65       | 1400                  | 200 | 7000                | 1015 | 220              | 2.75           |
| CH-PTFE300SD-80  | 3"           | 75       | 1400                  | 200 | 7000                | 1015 | 180              | 3.15           |
| CH-PTFE300SD-100 | 4"           | 100      | 1400                  | 200 | 7000                | 1015 | 400              | 4.74           |
| CH-PTFE300SD-150 | 6"           | 150      | 1400                  | 200 | 7000                | 1015 | 574              | 10.00          |
| CH-PTFE300SD-200 | 8"           | 200      | 1400                  | 200 | 7000                | 1015 | 800              | 12.85          |

Safety Factor: 5:1 Standard Duty. (Burst Pressure: Working Pressure)

### Applications





## Composite Hose - Chemical

### Composite Hose - Code 300HD PTFE

**Part No.:** CH-PTFE300HD

**Colour:** Red / Yellow Stripe

**Inner Wire:** 316 Stainless Steel

**Lining:** FEP tubular extruded film

**Cover:** Thermoplastic films

**Reinforcement:** Thermoplastic films

**Outer Wire:** 316 Stainless Steel

**Crimping:** Swagged or Wire Whipped

**Size Available:** 3/4" - 12"

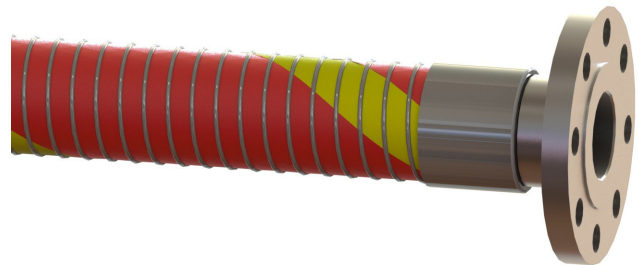
**Temperature:** -40°C +125°C

|                     | Low                                                                                 | Med                                                                                 | High                                                                                |
|---------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Flexibility         |  |  |  |
| Cycle Life          |  |  |  |
| Pressure Rating     |  |  |  |
| Chemical Resistance |  |  |  |
| Wall Thickness      |  |  |  |

### Construction

#### Use:

Heavy Duty construction for aggressive chemicals Suction & Delivery. Used for Ship to Shore and Ship to Ship, Dock side and in general for the most arduous Industrial and Marine applications.



#### Applicable Standards

EN 13765:2010, AS2682, AS2117

### Specifications

| Part Number      | Nominal Dia. |          | Max. Working Pressure |     | Max. Burst Pressure |      | Min. Bend Radius | Weight Per Mtr |
|------------------|--------------|----------|-----------------------|-----|---------------------|------|------------------|----------------|
|                  | Inches       | I.D (mm) | kPa                   | psi | kPa                 | psi  | mm               | kg.            |
| CH-PTFE300HD-20  | 3/4"         | 20       | 1400                  | 200 | 7000                | 1015 | 75               | 0.63           |
| CH-PTFE300HD-25  | 1"           | 25       | 1400                  | 200 | 7000                | 1015 | 100              | 0.77           |
| CH-PTFE300HD-32  | 1 1/4"       | 32       | 1400                  | 200 | 7000                | 1015 | 125              | 1.05           |
| CH-PTFE300HD-40  | 1 1/2"       | 38       | 1400                  | 200 | 7000                | 1015 | 140              | 1.33           |
| CH-PTFE300HD-50  | 2"           | 50       | 1400                  | 200 | 7000                | 1015 | 180              | 2.04           |
| CH-PTFE300HD-65  | 2 1/2"       | 65       | 1400                  | 200 | 7000                | 1015 | 220              | 2.75           |
| CH-PTFE300HD-80  | 3"           | 80       | 1400                  | 200 | 7000                | 1015 | 280              | 3.15           |
| CH-PTFE300HD-100 | 4"           | 100      | 1400                  | 200 | 7000                | 1015 | 400              | 4.74           |
| CH-PTFE300HD-150 | 6"           | 150      | 1400                  | 200 | 7000                | 1015 | 550              | 10.50          |
| CH-PTFE300HD-200 | 8"           | 200      | 1400                  | 200 | 7000                | 1015 | 800              | 12.85          |
| CH-PTFE300HD-250 | 10"          | 250      | 1400                  | 200 | 7000                | 1015 | 1000             | 20.96          |
| CH-PTFE300HD-300 | 12"          | 300      | 1400                  | 200 | 7000                | 1015 | 1200             | 31.69          |

Safety Factor: 5:1 Standard Duty. (Burst Pressure: Working Pressure)

### Applications



## Composite Hose - Chemical

### Composite Hose - ECTFE

**Part No.:** CH-ECTFE

**Colour:** Blue / White Stripe

**Inner Wire:** 316 Stainless Steel

**Lining:** ECTFE

**Cover:** PVC Coated Polyester Cloth

**Reinforcement:** Polyester Fabrics

**Outer Wire:** 316 Stainless Steel

**Crimping:** Swagged or Wire Whipped

**Size Available:** 4" - 10"

**Temperature:** -30°C +80°C

**Type:** 2/3

**Grade:** 2

**Electrical kind:** B - Discontinuous

Low | Med | High

Flexibility   

Cycle Life   

Pressure Rating   

Chemical Resistance   

Wall Thickness   

### Construction

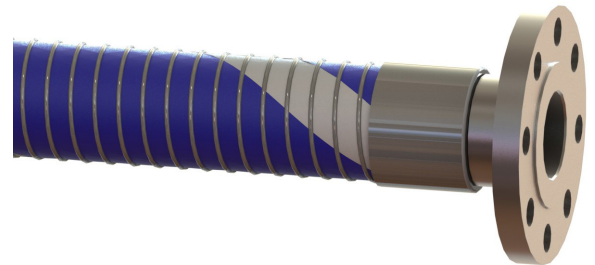
#### Use:

Designed for suction and discharge of the most aggressive chemicals and searching solvents and is generally used where the chemical resistance of polypropylene is inadequate.

This hose is extremely robust and is used predominantly for ship to shore/ship to ship operations, and for the most demanding of plant duties. It can be used for the transfer of certain liquid food products.

#### Applicable Standards

BSEN13765:2010

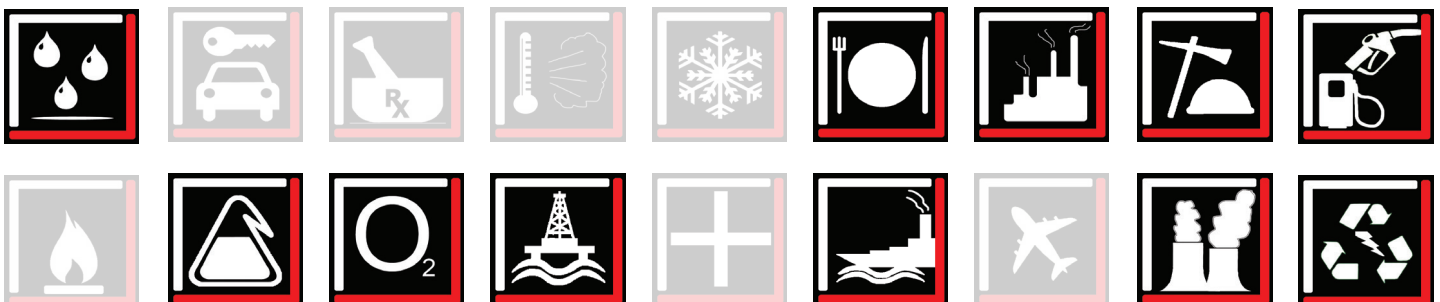


### Specifications

| Part Number  | Nominal Dia. |          |          | Max. Working Pressure |      | Max. Burst Pressure |     | Min. Bend Radius | Weight Per Mtr |
|--------------|--------------|----------|----------|-----------------------|------|---------------------|-----|------------------|----------------|
|              | Inches       | I.D (mm) | O.D (mm) | kPa                   | psi  | kPa                 | psi | mm               | kg.            |
| CH-ECTFE-100 | 4"           | 100      | 1400     | 200                   | 7000 | 1000                | 400 | 6.4              | 0.9            |
| CH-ECTFE-150 | 6"           | 150      | 1400     | 200                   | 7000 | 1000                | 510 | 10.7             | 0.9            |
| CH-ECTFE-200 | 8"           | 200      | 1400     | 200                   | 7000 | 1000                | 760 | 15.0             | 0.9            |
| CH-ECTFE-250 | 10"          | 250      | 1050     | 150                   | 5250 | 750                 | 915 | 20.5             | 0.9            |

Safety Factor: 5:1 Standard Duty. (Burst Pressure: Working Pressure)

### Applications



## Composite Hose - Bitumen

### Composite Hose - 966 Hot Bitumen

**Part No.:** CH-966

**Colour:** Standard White

**Inner Wire:** Galvanised Steel

**Reinforcement:** Polypropylene Fabric and Films

**Outer Wire:** Stainless Steel

**Crimping:** Swagged or Wire Whipped

**Size Available:** 3/4" - 3"

(Larger sizes upon Request)

**Temperature:** -20°C +180°C

**Type:** 1

**Grade:** 3

**Electrical kind:** 1

Low | Med | High

Flexibility 

Cycle Life 

Pressure Rating 

Chemical Resistance 

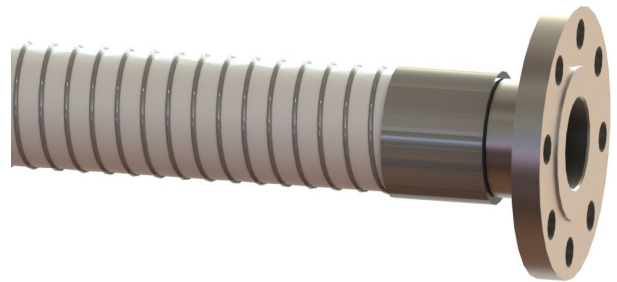
Wall Thickness 

### Construction

#### Use:

Designed for high temperature operation, this hose is ideal for the transfer of hot bitumen via gravity, suction or pressure. Suitable for use with bitumen up to 180°C. Suited for road tanker loading and discharge, in plant transfer, spraying and spray bar applications also suitable for conveying high aromatic content fuels.

- 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.



### Applicable Standards

AS2117

### Specifications

| Part Number | Nominal Dia. |          |          | Max. Working Pressure |     | Max. Burst Pressure |     | Min. Bend Radius | Weight Per Mtr |
|-------------|--------------|----------|----------|-----------------------|-----|---------------------|-----|------------------|----------------|
|             | Inches       | I.D (mm) | O.D (mm) | kPa                   | psi | kPa                 | psi | mm               | kg.            |
| CH-966-20   | 3/4"         | 19       | 28       | 700                   | 101 | 2800                | 406 | 125              | 0.8            |
| CH-966-25   | 1"           | 25       | 35       | 700                   | 101 | 2800                | 406 | 125              | 0.9            |
| CH-966-32   | 1 1/4"       | 32       | 43       | 700                   | 101 | 2800                | 406 | 130              | 1.0            |
| CH-966-40   | 1 1/2"       | 39       | 50       | 700                   | 101 | 2800                | 406 | 150              | 1.5            |
| CH-966-50   | 2"           | 51       | 68       | 600                   | 87  | 2400                | 348 | 200              | 2.0            |
| CH-966-65   | 2 1/2"       | 63       | 78       | 500                   | 72  | 2000                | 290 | 250              | 2.8            |
| CH-966-80   | 3"           | 76       | 90       | 500                   | 72  | 2000                | 290 | 280              | 3.5            |

#### Alternative products:

Refer to Bitumen Fittings - Page 243

Refer to Bitumen Stainless Steel Hose - Page 45

Refer to Bitumen Interlocked - Page 46

Refer to Spray Bar specification - Page 37

Safety Factor: 4:1 Standard Duty. (Burst Pressure: Working Pressure)

### Applications



## Composite Hose - Aviation

### Composite Hose - 700 Aviation

**Part No.:** CH-AVA

**Colour:** Black / Green Stripe

**Inner Wire:** Stainless Steel

**Reinforcement:** Polypropylene Fabric and Films

**Outer Wire:** Black polypropylene coated galvanised

**Crimping:** Swagged or Wire Whipped

**Size Available:** 1 1/2" - 4"

(Larger sizes upon Request)

**Temperature:** -20°C +80°C

**Type:** 2

**Grade:** 1

**Electrical kind:** 1

Low | Med | High

Flexibility



Cycle Life



Pressure Rating



Chemical Resistance



Wall Thickness



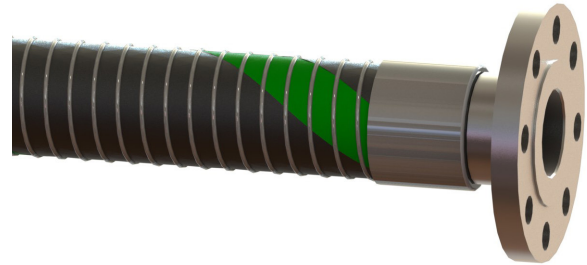
### Construction

#### Use:

This range of high quality composite hoses is manufactured from multiple layers of polypropylene fabrics and films. The inner wire helix is stainless steel 316. AVA SG is the same design as CODE 969, but has a thinner wall thickness therefore the working pressure is decreased. AVA SG is designed for use as a delivery hose of aviation fuel.

#### Applicable Standards

AS2683



### Specifications

| Part Number | Nominal Dia. |          |          | Max. Working Pressure |     | Max. Burst Pressure |     | Min. Bend Radius | Weight Per Mtr |
|-------------|--------------|----------|----------|-----------------------|-----|---------------------|-----|------------------|----------------|
|             | Inches       | I.D (mm) | O.D (mm) | kPa                   | psi | kPa                 | psi | mm               | kg.            |
| CH-AVA-40   | 1 1/2"       | 39       | 48       | 700                   | 101 | 2800                | 406 | 75               | 1.3            |
| CH-AVA-50   | 2"           | 51       | 63       | 600                   | 87  | 2400                | 348 | 90               | 1.6            |
| CH-AVA-80   | 3"           | 76       | 90       | 500                   | 72  | 2000                | 290 | 125              | 2.8            |
| CH-AVA-100  | 4"           | 102      | 112      | 400                   | 58  | 1600                | 232 | 200              | 4.1            |

Safety Factor: 4:1 Standard Duty. (Burst Pressure: Working Pressure)

### Applications



## Composite Hose - Fire Resistant

### Composite Hose - FireSafe

**Part No.:** CH-FIRESAFE

**Colour:** Red / White Stripe

**Inner Wire:** Galvanised Steel

**Reinforcement:** Polypropylene Fabric and Films

**Outer Wire:** Galvanised Steel

**Crimping:** Swagged or Wire Whipped

**Size Available:** 1" - 4"

(Larger sizes upon Request)

**Temperature:** -20°C +80°C

Low | Med | High

Flexibility ☐ ☐ ☒

Cycle Life ☐ ☐ ☒

Pressure Rating ☐ ☒ ☐

Chemical Resistance ☐ ☒ ☐

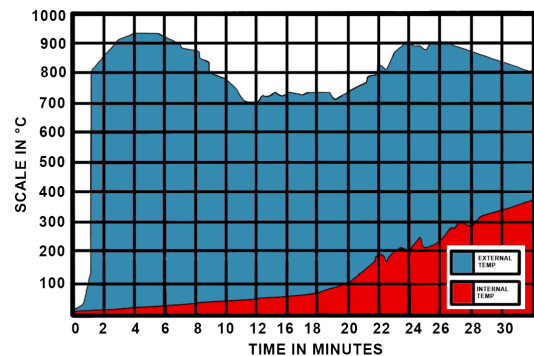
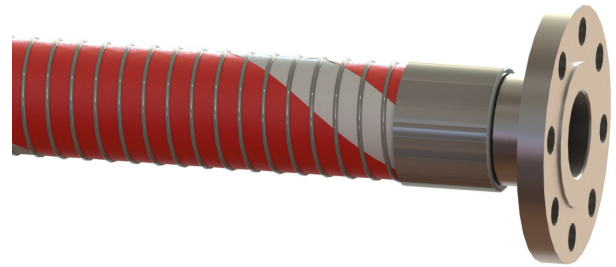
Wall Thickness ☐ ☐ ☒

### Construction

#### Use:

FIRESAFE composite hose utilizes a series of non asbestos barriers to conduct and radiate heat to achieve outstanding fire retardant ability. Rigorous testing by an independent agency has proven FIRESAFE hose still intact and capable of holding product after thirty (30) minutes of severe fire attack. The internal versus external temperature during this test showed an extremely low heat transfer rate maintaining an internal temperature of below 200 degrees Celsius with an external temperature over 800 degrees Celsius. Even after loss of integrity, FIRESAFE hose will not fail catastrophically.

These characteristics coupled with better torque resistance and abrasion resistance compared to metallic flexible hose, make this a viable alternative for bottom loading/ drop hoses.



### Applicable Standards

BSEN13765:2010

Approved and Tested by:

British Government Department of the Environment

British Fire Research Station

Swedish Fire Service

### Specifications

| Part Number     | Nominal Dia. |          | Max. Working Pressure |     | Max. Burst Pressure |     | Min. Bend Radius | Weight Per Mtr |
|-----------------|--------------|----------|-----------------------|-----|---------------------|-----|------------------|----------------|
|                 | Inches       | I.D (mm) | kPa                   | psi | kPa                 | psi | mm               | kg.            |
| CH-FIRESAFE-25  | 1"           | 25       | 1400                  | 203 | 5600                | 812 | 100              | 0.8            |
| CH-FIRESAFE-40  | 1 1/2"       | 38       | 1400                  | 203 | 5600                | 812 | 140              | 1.2            |
| CH-FIRESAFE-50  | 2"           | 50       | 1400                  | 203 | 5600                | 812 | 180              | 1.9            |
| CH-FIRESAFE-75  | 3"           | 75       | 1400                  | 203 | 5600                | 812 | 280              | 2.5            |
| CH-FIRESAFE-100 | 4"           | 100      | 1400                  | 203 | 5600                | 812 | 395              | 5.2            |

Safety Factor: 4:1 Standard Duty. (Burst Pressure: Working Pressure)

### Applications



## Composite Hose - Cryogenic

### Composite Hose - Cryogenic

**Part No.:** CRY

**Colour:** Standard White

**Inner Wire:** 316 Stainless Steel

**Reinforcement:** Polyamide Polyester

**Outer Wire:** 316 Stainless Steel

**Crimping:** Swagged or Wire Whipped

**Size Available:** 1" - 10"

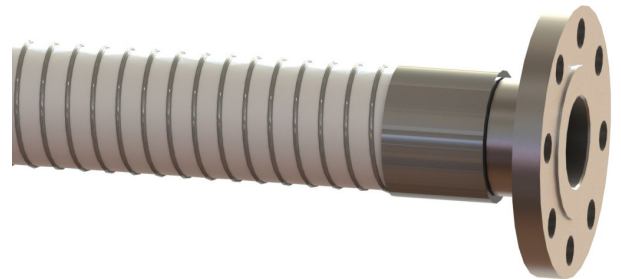
**Temperature:** -200°C +80°C

|                     | Low                                                                                 | Med                                                                                 | High                                                                                |
|---------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Flexibility         |  |  |  |
| Cycle Life          |  |  |  |
| Pressure Rating     |  |  |  |
| Chemical Resistance |  |  |  |
| Wall Thickness      |  |  |  |

### Construction

#### Use:

With excellent resistance to the low temperatures required for transfer of liquid gases such as Liquefied Petroleum Gas (LPG), Liquefied Natural Gas (LNG), carbon dioxide, ammonia or ethylene. While specifically designed for cryogenic fluids, the hose is also suitable for use with a wide range of hazardous chemicals.



#### Applicable Standards

EN13766:2010 Exceeds Class A

IMO IGC code

AS/NZ 1869

BSEN13766:2010

### Specifications

| Part Number | Nominal Dia. |          | Max. Working Pressure |     | Max. Burst Pressure |      | Min. Bend Radius | Weight Per Mtr |
|-------------|--------------|----------|-----------------------|-----|---------------------|------|------------------|----------------|
|             | Inches       | I.D (mm) | kPa                   | psi | kPa                 | psi  | mm               | kg.            |
| CH-CRY-25   | 1"           | 25       | 2500                  | 360 | 12500               | 1812 | 100              | 1.0            |
| CH-CRY-40   | 1 1/2"       | 38       | 2500                  | 360 | 12500               | 1812 | 140              | 1.5            |
| CH-CRY-50   | 2"           | 50       | 2500                  | 360 | 12500               | 1812 | 180              | 2.5            |
| CH-CRY-65   | 2 1/2"       | 65       | 2500                  | 360 | 12500               | 1812 | 205              | 3.3            |
| CH-CRY-80   | 3"           | 75       | 2500                  | 360 | 12500               | 1812 | 280              | 4.5            |
| CH-CRY-100  | 4"           | 100      | 2500                  | 360 | 12500               | 1812 | 395              | 7.5            |
| CH-CRY-150  | 6"           | 150      | 2500                  | 360 | 12500               | 1812 | 510              | 13.5           |
| CH-CRY-200  | 8"           | 200      | 2040                  | 295 | 10200               | 1450 | 760              | 18.5           |
| CH-CRY-250  | 10"          | 250      | 1500                  | 217 | 7500                | 1090 | 915              | 25             |

Safety Factor 5:1 Standard Duty. (Burst Pressure: Working Pressure)

### Applications





## Composite Hose - Cryogenic

### Composite Hose - LPG

**Part No.:** LPG

**Colour:** White / Yellow Stripe

**Inner Wire:** 316 Stainless Steel

**Lining:** Polypropylene films

**Cover:** Polyester Fabrics

**Reinforcement:** Polyester Fabrics

**Outer Wire:** 316 Stainless Steel

**Crimping:** Swagged or Wire Whipped

**Size Available:** 3/4" - 12"

**Temperature:** -105°C +100°C

|                     | Low                                                                                 | Med                                                                                 | High                                                                                |
|---------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Flexibility         |  |  |  |
| Cycle Life          |  |  |  |
| Pressure Rating     |  |  |  |
| Chemical Resistance |  |  |  |
| Wall Thickness      |  |  |  |

### Construction

#### Use:

Suitable for transferring fully refrigerated conveyants such as LPG, Propane and Butane down to -105°C, as well as liquid Ethane at and liquid Ethylene. Suitable for fluids included in Chap XIX, Gas carrier Code.



#### Applicable Standards

EN ISO 8031:2009 – 4.7, EN ISO 1402, DNV

### Specifications

| Part Number | Nominal Dia. |          | Max. Working Pressure |     | Max. Burst Pressure |      | Min. Bend Radius | Weight Per Mtr |
|-------------|--------------|----------|-----------------------|-----|---------------------|------|------------------|----------------|
|             | Inches       | I.D (mm) | kPa                   | psi | kPa                 | psi  | mm               | kg.            |
| CH-LPG-20   | 3/4"         | 20       | 2500                  | 362 | 12500               | 1813 | 80               | 0.8            |
| CH-LPG-25   | 1"           | 25       | 2500                  | 362 | 12500               | 1813 | 100              | 1.0            |
| CH-LPG-32   | 1 1/4"       | 32       | 2500                  | 362 | 12500               | 1813 | 125              | 1.3            |
| CH-LPG-40   | 1 1/2"       | 40       | 2500                  | 362 | 12500               | 1813 | 140              | 1.5            |
| CH-LPG-50   | 2"           | 50       | 2500                  | 362 | 12500               | 1813 | 180              | 2.5            |
| CH-LPG-65   | 2 1/2"       | 65       | 2500                  | 362 | 12500               | 1813 | 200              | 3.3            |
| CH-LPG-80   | 3"           | 75       | 2500                  | 362 | 12500               | 1813 | 260              | 4.0            |
| CH-LPG-100  | 4"           | 100      | 2500                  | 362 | 12500               | 1813 | 350              | 5.3            |
| CH-LPG-150  | 6"           | 150      | 2500                  | 362 | 12500               | 1813 | 500              | 13.2           |
| CH-LPG-200  | 8"           | 200      | 2500                  | 362 | 12500               | 1813 | 750              | 18.0           |
| CH-LPG-250  | 10"          | 250      | 1500                  | 218 | 7500                | 1087 | 900              | 25.0           |
| CH-LPG-300  | 12"          | 300      | 1000                  | 145 | 5000                | 725  | 1500             | 34.0           |

Safety Factor: 5:1 Standard Duty. (Burst Pressure: Working Pressure)

### Applications



## Composite Hose - Cryogenic

### Composite Hose - LNG

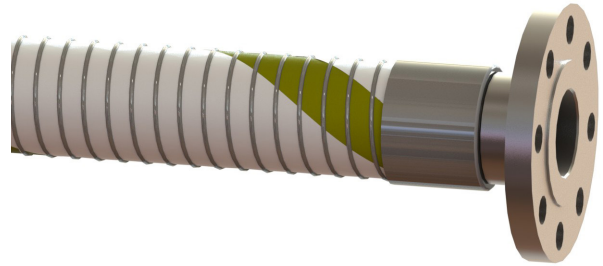
**Part No.:** IH-LNG  
**Colour:** White / Yellow Stripe  
**Inner Wire:** 316 Stainless Steel  
**Lining:** Polypropylene films  
**Cover:** Polyester Fabrics  
**Reinforcement:** Polyester Fabrics  
**Outer Wire:** 316 Stainless Steel  
**Crimping:** Swagged or Wire Whipped  
**Size Available:** 3/4" - 12"  
**Temperature:** -200°C +80°C

|                     | Low                                                                                 | Med                                                                                 | High                                                                                |
|---------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Flexibility         |  |  |  |
| Cycle Life          |  |  |  |
| Pressure Rating     |  |  |  |
| Chemical Resistance |  |  |  |
| Wall Thickness      |  |  |  |

### Construction

#### Use:

Hose is suitable for handling LNG Liquified Natural Gas, Liquid Methane and liquid Nitrogen at -200°C. Liquified Natural Gas LNG at extremely low temperatures



#### Applicable Standards:

EN ISO 8031:2009 – 4.7, EN ISO 1402, DNV

### Specifications

| Part Number | Nominal Dia. |          | Max. Working Pressure |     | Max. Burst Pressure |      | Min. Bend Radius | Weight Per Mtr |
|-------------|--------------|----------|-----------------------|-----|---------------------|------|------------------|----------------|
|             | Inches       | I.D (mm) | kPa                   | psi | kPa                 | psi  | mm               | kg.            |
| IH-LNG-20   | 3/4"         | 20       | 1380                  | 200 | 11040               | 1600 | 80               | 0.8            |
| IH-LNG-25   | 1"           | 25       | 1380                  | 200 | 11040               | 1600 | 100              | 1.0            |
| IH-LNG-32   | 1 1/4"       | 32       | 1380                  | 200 | 11040               | 1600 | 125              | 1.3            |
| IH-LNG-40   | 1 1/2"       | 40       | 1380                  | 200 | 11040               | 1600 | 140              | 1.5            |
| IH-LNG-50   | 2"           | 50       | 1380                  | 200 | 11040               | 1600 | 180              | 2.5            |
| IH-LNG-65   | 2 1/2"       | 65       | 1380                  | 200 | 11040               | 1600 | 200              | 3.3            |
| IH-LNG-80   | 3"           | 75       | 1380                  | 200 | 11040               | 1600 | 260              | 4.0            |
| IH-LNG-100  | 4"           | 100      | 1275                  | 184 | 10200               | 1479 | 350              | 5.3            |
| IH-LNG-150  | 6"           | 150      | 1275                  | 184 | 10200               | 1479 | 500              | 13.2           |
| IH-LNG-200  | 8"           | 200      | 1275                  | 184 | 10200               | 1479 | 750              | 18.0           |
| IH-LNG-250  | 10"          | 250      | 1275                  | 184 | 10200               | 1479 | 900              | 25.0           |
| IH-LNG-300  | 12"          | 300      | 1030                  | 149 | 8240                | 1195 | 1500             | 34.0           |

Safety Factor: 8:1 Standard Duty. (Burst Pressure: Working Pressure)

### Applications

