

# FLEXIBLE HOSE & FITTING



INDUSTRIAL HOSES

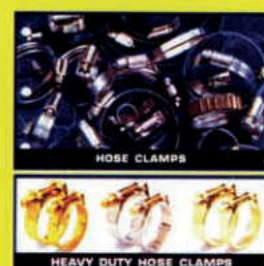
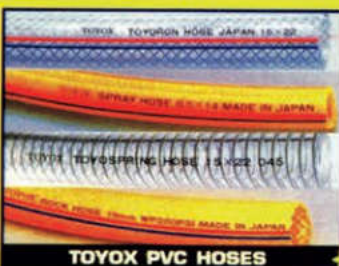
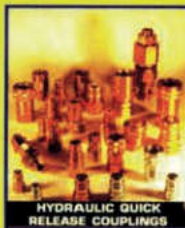


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# FLEXIBLE HOSE & FITTING



Hydraulic Hoses, Couplings, Adaptors &  
Quick Release Couplings, Industrial  
Hoses and Couplings, Hoses End Assembly  
Swaging System, Pvc Hoses, Etc...



# FLEXIBLE HOSE & FITTING

## About us.....



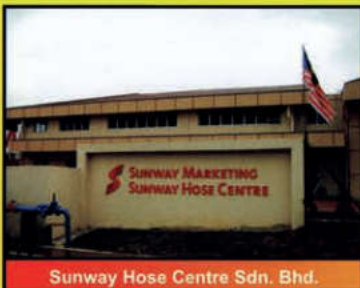
Sunway Xin Long (Anhui) Hydraulic Ltd



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Sunway Marketing (S) Pte. Ltd.



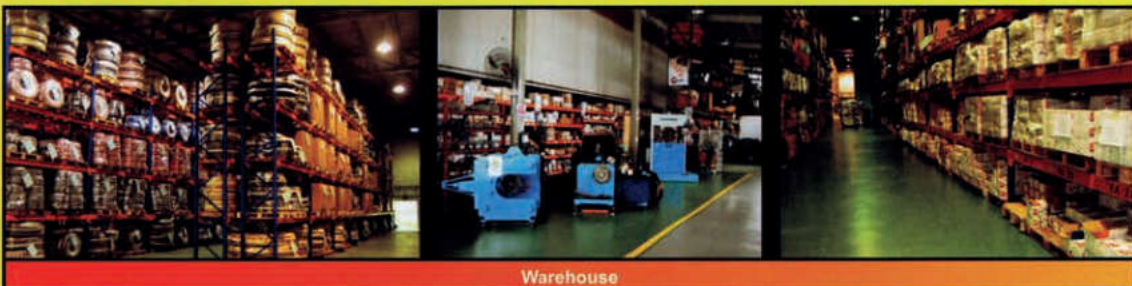
Sunway Hose Centre Sdn. Bhd.



Sunway Trading(Shanghai) Pte Ltd



Sunway Marketing (Thailand) Ltd.



Warehouse

## FLEXIBLE HOSE &amp; FITTING

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## FLEXIBLE HOSE & FITTING



# FLEXIBLE HOSE & FITTING



## AH150 AIR/WATER HOSE 150 PSI

Mandrel built lightweight air hose suitable for a variety of general purposes in industries, construction sites and mines.

**TEMPERATURE RANGE :** -40°C (-40°F) to +85°C (+185°F)

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

**REINFORCEMENT :** High strength synthetic cord

**COVER :** Black, smooth (wrapped finish) long lasting synthetic rubber, weather and abrasion resistant

**COILS :** 61mt (200ft) continuous length; other length available on request

**BRANDING :** Blue transfer tape with negative text

'SUNFLEX AH 150 AIR/WATER HOSE WPSI 150'

| Part No    | I.D. |       | O.D. |         | Working Pressure |     | Bursting Pressure (Theoretical) |     | Weight (Nominal) |        |
|------------|------|-------|------|---------|------------------|-----|---------------------------------|-----|------------------|--------|
|            | mm   | inch  | mm   | inch    | atm              | psi | atm                             | psi | kg/m             | lbs/ft |
| AH150-0125 | 32   | 1-1/4 | 43   | 1-11/16 | 10               | 150 | 30                              | 450 | 0.92             | 0.63   |
| AH150-0150 | 38   | 1-1/2 | 50   | 2-1/16  | 10               | 150 | 30                              | 450 | 1.16             | 0.80   |
| AH150-0200 | 51   | 2     | 65   | 2-17/32 | 10               | 150 | 30                              | 450 | 2.21             | 1.51   |
| AH150-0250 | 63.5 | 2-1/2 | 78   | 3-1/8   | 10               | 150 | 30                              | 450 | 2.63             | 1.81   |
| AH150-0300 | 76   | 3     | 91   | 3-17/32 | 10               | 150 | 30                              | 450 | 3.40             | 2.33   |
| AH150-0400 | 102  | 4     | 118  | 4-23/32 | 10               | 150 | 30                              | 450 | 4.38             | 3.01   |

# FLEXIBLE HOSE & FITTING



## AH300 (From SIZE 1/4" TO 1") AIR/WATER HOSE 300 PSI

A general purpose air hose engineered for medium to heavy duty applications; its strong yet flexible construction guarantees a long life and easy handling.

**TEMPERATURE RANGE :** -10°C (+14°F) to +60°C (+140°F)

**TUBE :** Black, smooth, TPR material, oil mist resistant

**REINFORCEMENT :** High strength synthetic cord

**COVER :** Black, smooth TPR material, weather and abrasion resistant

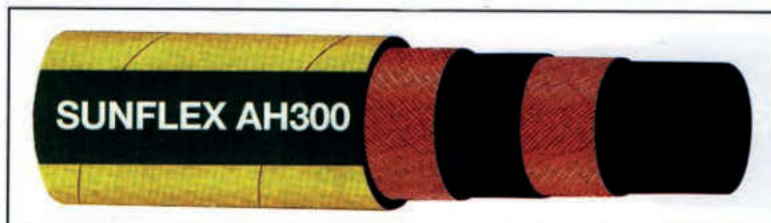
**COILS :** 100mt (330ft) continuous length; other length available on request

**BRANDING :** Inkjet White

'SUNFLEX AH 300 AIR/WATER HOSE WPSI 300'

| Part No    | I.D. |      | O.D. |         | Working Pressure |     | Bursting Pressure (Theoretical) |     | Weight (Nominal) |        |
|------------|------|------|------|---------|------------------|-----|---------------------------------|-----|------------------|--------|
|            | mm   | inch | mm   | inch    | atm              | psi | atm                             | psi | kg/m             | lbs/ft |
| AH300-0025 | 06   | 1/4  | 13   | 33/64   | 20               | 300 | 60                              | 900 | 0.15             | 0.11   |
| AH300-0031 | 08   | 5/16 | 15   | 19/32   | 20               | 300 | 60                              | 900 | 0.18             | 0.12   |
| AH300-0038 | 10   | 3/8  | 18   | 45/64   | 20               | 300 | 60                              | 900 | 0.21             | 0.14   |
| AH300-0050 | 12   | 1/2  | 21   | 53/64   | 20               | 300 | 60                              | 900 | 0.22             | 0.16   |
| AH300-0063 | 15   | 5/8  | 24   | 15/16   | 20               | 300 | 60                              | 900 | 0.27             | 0.18   |
| AH300-0075 | 19   | 3/4  | 29   | 1-19/64 | 20               | 300 | 60                              | 900 | 0.44             | 0.30   |
| AH300-0100 | 25   | 1    | 36   | 1-22/64 | 20               | 300 | 60                              | 900 | 0.53             | 0.35   |

# FLEXIBLE HOSE & FITTING



## AH300 (From SIZE 1 1/4" TO 4") AIR/WATER HOSE 300 PSI

A general purpose air hose mandrel built, engineered for medium to heavy duty applications; its strong yet flexible construction guarantees a long life and easy handling.

**TEMPERATURE RANGE :** -40°C (-40°F) to +85°C (+185°F)

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

**REINFORCEMENT :** High strength synthetic cord

**COVER :** Yellow, smooth (wrapped finish) long lasting synthetic rubber, weather and abrasion resistant

**COILS :** 61mt (200ft) continuous length; other length available on request

**BRANDING :** Green transfer tape with white text

'SUNFLEX AH 300 AIR/WATER HOSE WPSI 300'

| Part No    | I.D. |       | O.D. |         | Working Pressure |     | Bursting Pressure (Theoretical) |     | Weight (Nominal) |        |
|------------|------|-------|------|---------|------------------|-----|---------------------------------|-----|------------------|--------|
|            | mm   | inch  | mm   | inch    | atm              | psi | atm                             | psi | kg/m             | lbs/ft |
| AH300-0125 | 32   | 1-1/4 | 44   | 1-3/4   | 20               | 300 | 60                              | 900 | 0.85             | 0.58   |
| AH300-0150 | 38   | 1-1/2 | 52   | 2       | 20               | 300 | 60                              | 900 | 1.30             | 0.80   |
| AH300-0200 | 51   | 2     | 66   | 2-23/32 | 20               | 300 | 60                              | 900 | 1.52             | 1.04   |
| AH300-0250 | 63   | 2-1/2 | 79   | 3-7/32  | 20               | 300 | 60                              | 900 | 2.26             | 1.56   |
| AH300-0300 | 76   | 3     | 94   | 3-25/32 | 20               | 300 | 60                              | 900 | 2.22             | 1.52   |
| AH300-0400 | 102  | 4     | 121  | 4-13/16 | 20               | 300 | 60                              | 900 | 4.00             | 2.74   |

# FLEXIBLE HOSE & FITTING



## AH300 (From SIZE 1 1/4" TO 4") AIR/WATER HOSE 300 PSI

A general purpose mandrel built air hose engineered for medium to heavy duty applications; its strong yet flexible construction guarantees a long life and easy handling.

**TEMPERATURE RANGE :** -40°C (-40°F) to +85°C (+185°F)

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

**REINFORCEMENT :** High strength synthetic cord

**COVER :** Black, smooth (wrapped finish) long lasting synthetic rubber, weather and abrasion resistant

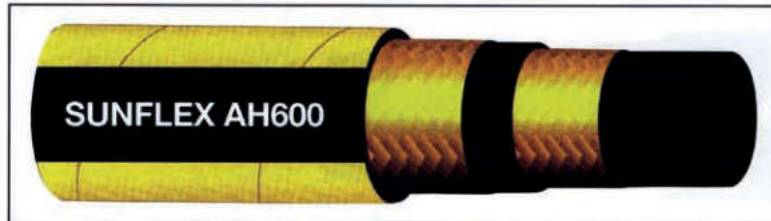
**COILS :** 61mt (200ft) continuous length; other length available on request

**BRANDING :** Green transfer tape with white text

'SUNFLEX AH 300 AIR/WATER HOSE WPSI 300'

| Part No    | I.D. |       | O.D. |         | Working Pressure |     | Bursting Pressure (Theoretical) |     | Weight (Nominal) |        |
|------------|------|-------|------|---------|------------------|-----|---------------------------------|-----|------------------|--------|
|            | mm   | inch  | mm   | inch    | atm              | psi | atm                             | psi | kg/m             | lbs/ft |
| AH300-0125 | 32   | 1-1/4 | 44   | 1-3/4   | 20               | 300 | 60                              | 900 | 0.85             | 0.58   |
| AH300-0150 | 38   | 1-1/2 | 52   | 2       | 20               | 300 | 60                              | 900 | 1.30             | 0.80   |
| AH300-0200 | 51   | 2     | 66   | 2-23/32 | 20               | 300 | 60                              | 900 | 1.52             | 1.04   |
| AH300-0250 | 63   | 2-1/2 | 79   | 3-7/32  | 20               | 300 | 60                              | 900 | 2.26             | 1.56   |
| AH300-0300 | 76   | 3     | 94   | 3-25/32 | 20               | 300 | 60                              | 900 | 2.22             | 1.52   |
| AH300-0400 | 102  | 4     | 121  | 4-13/16 | 20               | 300 | 60                              | 900 | 4.00             | 2.74   |

# FLEXIBLE HOSE & FITTING



## AH600 AIR/WATER HOSE 600 PSI

Designed for the most severe working conditions in mining, quarries, industrial and construction service, this mandrel built hose has a high margin safety and gives a long and trouble-free service under the most arduous working conditions.

**TEMPERATURE RANGE :** -40°C (-40°F) to +100°C (+212°F)

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

**REINFORCEMENT :** Plies of steel wire cord

**COVER :** Yellow, smooth (wrapped finish) long lasting synthetic rubber, weather and abrasion resistant

**COILS :** 61mt (200ft) continuous length; other length available on request

**BRANDING :** Black transfer tape with negative text

'SUNFLEX AH 600 HEAVY DUTY AIR HOSE WPSI 600'

| Part No    | I.D.  |       | O.D. |         | Working Pressure |      | Bursting Pressure (Theoretical) |      | Weight (Nominal) |        | Bending Radius |
|------------|-------|-------|------|---------|------------------|------|---------------------------------|------|------------------|--------|----------------|
|            | mm    | inch  | mm   | inch    | atm              | psi  | atm                             | psi  | kg/m             | lbs/ft | mm             |
| AH600-0050 | 13    | 1/2   | 24   | 15/16   | 70               | 1030 | 210                             | 3085 | 0.51             | 0.34   | 130            |
| AH600-0075 | 19    | 3/4   | 31   | 1-7/32  | 50               | 735  | 150                             | 2200 | 0.74             | 0.50   | 133            |
| AH600-0100 | 25    | 1     | 38   | 1-11/16 | 45               | 660  | 135                             | 1980 | 0.91             | 0.65   | 175            |
| AH600-0125 | 32    | 1-1/4 | 45   | 1-57/64 | 45               | 660  | 135                             | 1980 | 1.51             | 1.04   | 224            |
| AH600-0150 | 38    | 1-1/2 | 56   | 2-7/32  | 45               | 660  | 135                             | 1980 | 1.93             | 1.30   | 266            |
| AH600-0200 | 51    | 2     | 69   | 2-11/16 | 40               | 600  | 120                             | 1765 | 2.40             | 1.65   | 357            |
| AH600-0250 | 63.5  | 2-1/2 | 81   | 3-1/8   | 35               | 600  | 105                             | 1550 | 2.90             | 2.00   | 441            |
| AH600-0300 | 76    | 3     | 95   | 3-7/8   | 35               | 600  | 105                             | 1550 | 4.68             | 3.21   | 532            |
| AH600-0400 | 102   | 4     | 120  | 5       | 30               | 450  | 90                              | 1325 | 7.34             | 5.04   | 714            |
| AH600-0600 | 152.4 | 6     | 175  | 6-7/8   | 40               | 600  | 120                             | 1800 | 10.30            | 6.98   | 1215           |

# FLEXIBLE HOSE & FITTING



## AH1200 HEAVY DUTY AIR HOSE HOSE 1200 PSI

High temperature compressed air specifically designed for use in the mining and drilling industry. Braided construction for diameters 38mm & 51mm. Spiral construction for diameter 76mm.

**TEMPERATURE RANGE :** -40°C to +120°C with peaks of 232°C

**WORKING PRESSURE :** 1200 PSI

**TUBE :** Black bromobutyl - oil mist and high temperature resistant

**REINFORCEMENT :** High tensile steel braids/cords

**COVER :** Blue EPDM - Abrasion and ozone resistant - pin pricked

**COILS :** 61mt (200ft) continuous length; other length available on request

**BRANDING :** Blue cover with embossed tape

'SUNFLEX AH 1200 HEAVY DUTY AIR HOSE WPSI 1200'

| Part No     | I.D. |      | O.D. |       | Working Pressure |      | Bursting Pressure (Theoretical) |      | Weight (Nominal) |        | Bending Radius |
|-------------|------|------|------|-------|------------------|------|---------------------------------|------|------------------|--------|----------------|
|             | mm   | inch | mm   | inch  | atm              | psi  | atm                             | psi  | kg/m             | lbs/ft | mm             |
| AH1200-0200 | 50.8 | 2    | 70   | 2-3/4 | 80               | 1200 | 320                             | 4800 | 3.68             | 2.49   | 612            |
| AH1200-0300 | 76.5 | 3    | 98   | 3-7/8 | 80               | 1200 | 320                             | 4800 | 5.99             | 4.06   | 910            |

# FLEXIBLE HOSE & FITTING



## WDH150 WATER DELIVERY HOSE 150 PSI

Mandrel built water discharge hose, widely used by industry, construction sites, etc.

TEMPERATURE RANGE : -40°C (-40°F) to +85°C (+185°F)

TUBE : Black, smooth, synthetic rubber

REINFORCEMENT : High strength synthetic cord

COVER : Black, smooth (wrapped finish) synthetic rubber, abrasion, weather and ozone resistant

COILS : 61mt (200ft) continuous length; other length available on request

BRANDING : Yellow transfer tape with negative text

'SUNFLEX WDH 150 WATER DELIVERY HOSE WPSI 150'

| Part No     | I.D. |       | O.D. |         | Working Pressure |     | Bursting Pressure (Theoretical) |     | Weight (Nominal) |        |
|-------------|------|-------|------|---------|------------------|-----|---------------------------------|-----|------------------|--------|
|             | mm   | inch  | mm   | inch    | atm              | psi | atm                             | psi | kg/m             | lbs/ft |
| WDH150-0125 | 32   | 1-1/4 | 44   | 1-5/8   | 10               | 150 | 30                              | 450 | 0.76             | 0.52   |
| WDH150-0150 | 38   | 1-1/2 | 50   | 1-31/32 | 10               | 150 | 30                              | 450 | 1.05             | 0.72   |
| WDH150-0200 | 51   | 2     | 64   | 2-17/32 | 10               | 150 | 30                              | 450 | 1.49             | 1.02   |
| WDH150-0250 | 63.5 | 2-1/2 | 78   | 3-1/6   | 10               | 150 | 30                              | 450 | 2.02             | 1.42   |
| WDH150-0300 | 76   | 3     | 92   | 3-5/8   | 10               | 150 | 30                              | 450 | 2.06             | 1.83   |
| WDH150-0400 | 102  | 4     | 110  | 4-23/32 | 10               | 150 | 30                              | 450 | 4.07             | 2.80   |

# FLEXIBLE HOSE & FITTING



## WSD150 WATER SUCTION/DISCHARGE HOSE 150 PSI

Mandrel built heavy water suction & discharge hose, it handles sewage, waste water, mud, etc

TEMPERATURE RANGE : -40°C (-40°F) to +85°C (+185°F)

TUBE : Black, smooth, synthetic rubber resistant to water with pH value 5 to 8

REINFORCEMENT : High strength synthetic cord plus helix wire

COVER : Black, smooth (wrapped finish) synthetic rubber, abrasion and weathering resistant

COILS : 61mt (200ft) continuous length; other length available on request

BRANDING : Yellow transfer tape with negative text

'SUNFLEX WSD 150 WATER SUCTION/DELIVERY HOSE WPSI 150'

| Part No     | I.D. |       | O.D. |          | Working Pressure |     | Bursting Pressure (Theoretical) |     | Weight (Nominal) |        | Bending Radius |
|-------------|------|-------|------|----------|------------------|-----|---------------------------------|-----|------------------|--------|----------------|
|             | mm   | inch  | mm   | inch     | atm              | psi | atm                             | psi | kg/m             | lbs/ft | mm             |
| WSD150-0125 | 32   | 1-1/4 | 43   | 1-21/32  | 10               | 150 | 30                              | 450 | 0.97             | 0.67   | 256            |
| WSD150-0150 | 38   | 1-1/2 | 50   | 1-15/16  | 10               | 150 | 30                              | 450 | 1.27             | 0.87   | 304            |
| WSD150-0200 | 51   | 2     | 63   | 2-15/32  | 10               | 150 | 30                              | 450 | 1.72             | 1.18   | 408            |
| WSD150-0250 | 63   | 2-1/2 | 77   | 3-1/32   | 10               | 150 | 30                              | 450 | 2.37             | 1.63   | 508            |
| WSD150-0300 | 76   | 3     | 89   | 3-1/2    | 10               | 150 | 30                              | 450 | 2.79             | 1.91   | 608            |
| WSD150-0338 | 86   | 3-3/8 | 99   | 3-29/32  | 10               | 150 | 30                              | 450 | 3.80             | 2.60   | 456            |
| WSD150-0350 | 90   | 3-1/2 | 103  | 4-1/32   | 10               | 150 | 30                              | 450 | 3.86             | 2.65   | 540            |
| WSD150-0400 | 102  | 4     | 118  | 4-9/16   | 10               | 150 | 30                              | 450 | 4.33             | 2.98   | 816            |
| WSD150-0450 | 115  | 4-1/2 | 132  | 5-13/64  | 10               | 150 | 30                              | 450 | 5.20             | 3.58   | 910            |
| WSD150-0500 | 127  | 5     | 144  | 5-5/8    | 10               | 150 | 30                              | 450 | 7.23             | 4.97   | 1010           |
| WSD150-0600 | 152  | 6     | 171  | 6-3/4    | 10               | 150 | 30                              | 450 | 10.18            | 7.00   | 1216           |
| WSD150-0800 | 203  | 8     | 227  | 8-15/16  | 10               | 150 | 30                              | 450 | 14.80            | 9.94   | 1624           |
| WSD150-1000 | 254  | 10    | 280  | 11-1/8   | 10               | 150 | 30                              | 450 | 16.34            | 10.98  | 2035           |
| WSD150-1200 | 305  | 12    | 336  | 13-15/64 | 10               | 150 | 30                              | 450 | 24.63            | 16.55  | 2600           |

## FLEXIBLE HOSE &amp; FITTING



**WSD150 - SP**  
**WATER SUCTION/DISCHARGE HOSE 150 PSI**

Water suction and delivery applications.

It is recommended that this hose must be immersed into water after the inside of the hose is filled up, else the hose will float on water (the weight of the hose is less than water)

**TEMPERATURE RANGE** : -30°C (-22°F) to +80°C (+176°F)

**TUBE** : Black, sea water resistance EPDM rubber

**REINFORCEMENT** : High tensile synthetic cord fabrics and twin embedded helix steel wire.  
 Helix steel wire thickness is 1.5mm thicker than standard version.

**COVER** : Black, ozone, weather and abrasion and sea water resistance EPDM rubber

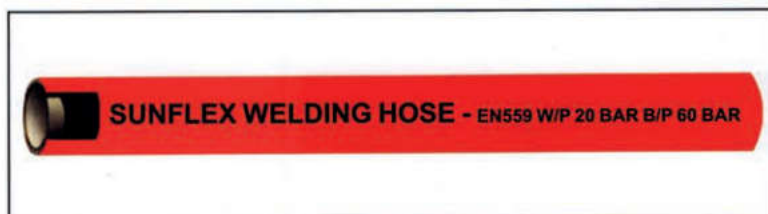
**COILS** : 7.6mt (25ft), 9.15mt (30ft) continuous length; other length available on request

**BRANDING** : Purple transfer tape with negative text

'SUNFLEX WSD 150 WATER SUCTION/DELIVERY HOSE WPSI 150 - SPECIAL'

| Part No        | I.D. |      | O.D. |        | Working Pressure |     | Bursting Pressure (Theoretical) |     | Weight (Nominal) |        | Bending Radius |
|----------------|------|------|------|--------|------------------|-----|---------------------------------|-----|------------------|--------|----------------|
|                | mm   | inch | mm   | inch   | atm              | psi | atm                             | psi | kg/m             | lbs/ft | mm             |
| WSD150-1000-SP | 254  | 10   | 284  | 11-3/8 | 10               | 150 | 30                              | 450 | 23.43            | 15.75  | 2032           |

# FLEXIBLE HOSE & FITTING



## SUNFLEX SINGLE LINE WELDING HOSE (ACETYLENE)

Complies to EN 559

**APPLICATIONS :** For use with welding and allied processes in workshops, shipyards, construction sites and manufacturing industries

**TUBE :** High ignition temperature synthetic rubber

**REINFORCEMENT :** High tensile synthetic textile filament yarn

**COVER :** Excellent ozone and weather resistant synthetic rubber

**COLOR :** RED

**SURFACE :** RIBBED

**TEMPERATURE RANGE :** -25°C to +75°C

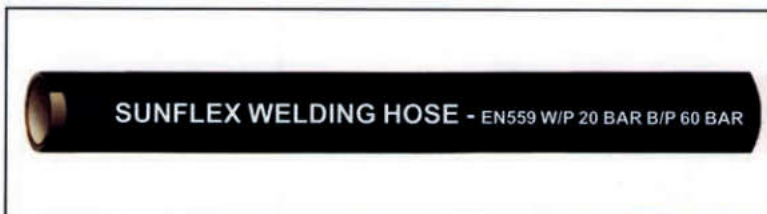
**COILS :** 100MT continuous length

**BRANDING :** Inkjet Black

**'SUNFLEX WELDING HOSE - EN559 W/P 20 BAR B/P 60 BAR'**

| Part No                 | Nominal I.D. |      | O.D. | Working Pressure |     | Bursting Pressure |     |
|-------------------------|--------------|------|------|------------------|-----|-------------------|-----|
|                         | inch         | mm   | mm   | psi              | bar | psi               | bar |
| ACETYLENE<br>RED/RIBBED |              |      |      |                  |     |                   |     |
| WH-ACETYLENE-0019-RD    | 3/16"        | 5.0  | 12.0 | 300              | 20  | 900               | 60  |
| WH-ACETYLENE-0025-RD    | 1/4"         | 6.0  | 13.0 |                  |     |                   |     |
| WH-ACETYLENE-0031-RD    | 5/16"        | 8.0  | 15.0 |                  |     |                   |     |
| WH-ACETYLENE-0038-RD    | 3/8"         | 10.0 | 17.0 |                  |     |                   |     |
| WH-ACETYLENE-0050-RD    | 1/2"         | 13.0 | 20.0 | 250              | 17  | 750               | 50  |
| WH-ACETYLENE-0063-RD    | 5/8"         | 16.0 | 25.0 |                  |     |                   |     |
| WH-ACETYLENE-0075-RD    | 3/4"         | 19.0 | 29.0 |                  |     |                   |     |

# FLEXIBLE HOSE & FITTING



## SUNFLEX SINGLE LINE WELDING HOSE (ACETYLENE)

Complies to EN 559

**APPLICATIONS :** For use with welding and allied processes in workshops, shipyards, construction sites and manufacturing industries

**TUBE :** High ignition temperature synthetic rubber

**REINFORCEMENT :** High tensile synthetic textile filament yarn

**COVER :** Excellent ozone and weather resistant synthetic rubber

**COLOR :** BLACK

**SURFACE :** RIBBED

**TEMPERATURE RANGE :** -25°C to +75°C

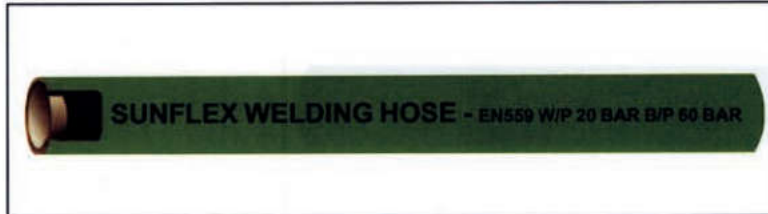
**COILS :** 100MT continuous length

**BRANDING :** Inkjet Black

'SUNFLEX WELDING HOSE - EN559 W/P 20 BAR B/P 60 BAR'

| Part No                 | Nominal I.D. |      | O.D. | Working Pressure |     | Bursting Pressure |     |
|-------------------------|--------------|------|------|------------------|-----|-------------------|-----|
|                         | inch         | mm   | mm   | psi              | bar | psi               | bar |
| ACETYLENE<br>RED/RIBBED |              |      |      |                  |     |                   |     |
| WH-ACETYLENE-0019-BK    | 3/16"        | 5.0  | 12.0 | 300              | 20  | 900               | 60  |
| WH-ACETYLENE-0025-BK    | 1/4"         | 6.0  | 13.0 |                  |     |                   |     |
| WH-ACETYLENE-0031-BK    | 5/16"        | 8.0  | 15.0 |                  |     |                   |     |
| WH-ACETYLENE-0038-BK    | 3/8"         | 10.0 | 17.0 |                  |     |                   |     |
| WH-ACETYLENE-0050-BK    | 1/2"         | 13.0 | 20.0 | 250              | 17  | 750               | 50  |
| WH-ACETYLENE-0063-BK    | 5/8"         | 16.0 | 25.0 |                  |     |                   |     |
| WH-ACETYLENE-0075-BK    | 3/4"         | 19.0 | 29.0 |                  |     |                   |     |

# FLEXIBLE HOSE & FITTING



## SUNFLEX SINGLE LINE WELDING HOSE (ACETYLENE)

Complies to EN 559

**APPLICATIONS :** For use with welding and allied processes in workshops, shipyards, construction sites and manufacturing industries

**TUBE :** High ignition temperature synthetic rubber

**REINFORCEMENT :** High tensile synthetic textile filament yarn

**COVER :** Excellent ozone and weather resistant synthetic rubber

**COLOR :** GREEN

**SURFACE :** RIBBED

**TEMPERATURE RANGE :** -25°C to +75°C

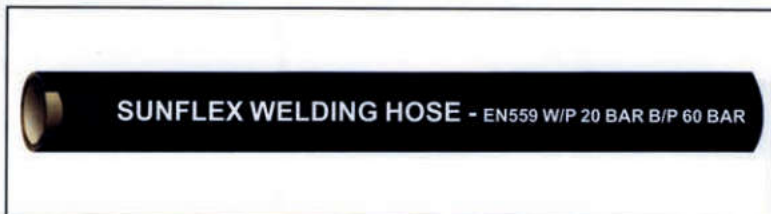
**COILS :** 100MT continuous length

**BRANDING :** Inkjet Black

'SUNFLEX WELDING HOSE - EN559 W/P 20 BAR B/P 60 BAR'

| Part No                 | Nominal I.D. |      | O.D. | Working Pressure |     | Bursting Pressure |     |
|-------------------------|--------------|------|------|------------------|-----|-------------------|-----|
|                         | inch         | mm   | mm   | psi              | bar | psi               | bar |
| ACETYLENE<br>RED/RIBBED |              |      |      |                  |     |                   |     |
| WH-ACETYLENE-0019-GN    | 3/16"        | 5.0  | 12.0 | 300              | 20  | 900               | 60  |
| WH-ACETYLENE-0025-GN    | 1/4"         | 6.0  | 13.0 |                  |     |                   |     |
| WH-ACETYLENE-0031-GN    | 5/16"        | 8.0  | 15.0 |                  |     |                   |     |
| WH-ACETYLENE-0038-GN    | 3/8"         | 10.0 | 17.0 |                  |     |                   |     |
| WH-ACETYLENE-0050-GN    | 1/2"         | 13.0 | 20.0 | 250              | 17  | 750               | 50  |
| WH-ACETYLENE-0063-GN    | 5/8"         | 16.0 | 25.0 |                  |     |                   |     |
| WH-ACETYLENE-0075-GN    | 3/4"         | 19.0 | 29.0 |                  |     |                   |     |

# FLEXIBLE HOSE & FITTING



## SUNFLEX SINGLE LINE WELDING HOSE (OXYGEN)

Complies to EN 559

**APPLICATIONS :** For use with welding and allied processes in workshops, shipyards, construction sites and manufacturing industries

**TUBE :** High ignition temperature synthetic rubber

**REINFORCEMENT :** High tensile synthetic textile filament yarn

**COVER :** Excellent ozone and weather resistant synthetic rubber

**COLOR :** BLUE

**SURFACE :** RIBBED

**TEMPERATURE RANGE :** -25°C to +75°C

**COILS :** 100MT continuous length

**BRANDING :** Inkjet Black

**'SUNFLEX WELDING HOSE - EN559 W/P 20 BAR B/P 60 BAR'**

| Part No              | Nominal I.D. |      | O.D. | Working Pressure |     | Bursting Pressure |     |
|----------------------|--------------|------|------|------------------|-----|-------------------|-----|
|                      | inch         | mm   |      | psi              | bar | psi               | bar |
| OXYGEN (BLUE/RIBBED) |              |      |      |                  |     |                   |     |
| WH-OXYGEN-0019-BE    | 3/16"        | 5.0  | 12.0 | 300              | 20  | 900               | 60  |
| WH-OXYGEN-0025-BE    | 1/4"         | 6.0  | 13.0 |                  |     |                   |     |
| WH-OXYGEN-0031-BE    | 5/16"        | 8.0  | 15.0 |                  |     |                   |     |
| WH-OXYGEN-0038-BE    | 3/8"         | 10.0 | 17.0 |                  |     |                   |     |
| WH-OXYGEN-0050-BE    | 1/2"         | 13.0 | 20.0 | 250              | 17  | 750               | 50  |
| WH-OXYGEN-0063-BE    | 5/8"         | 16.0 | 25.0 |                  |     |                   |     |
| WH-OXYGEN-0075-BE    | 3/4"         | 19.0 | 29.0 |                  |     |                   |     |

# FLEXIBLE HOSE & FITTING



## SUNFLEX SINGLE LINE WELDING HOSE (OXYGEN)

Complies to EN 559

**APPLICATIONS :** For use with welding and allied processes in workshops, shipyards, construction sites and manufacturing industries

**TUBE :** High ignition temperature synthetic rubber

**REINFORCEMENT :** High tensile synthetic textile filament yarn

**COVER :** Excellent ozone and weather resistant synthetic rubber

**COLOR :** GREY

**SURFACE :** RIBBED

**TEMPERATURE RANGE :** -25°C to +75°C

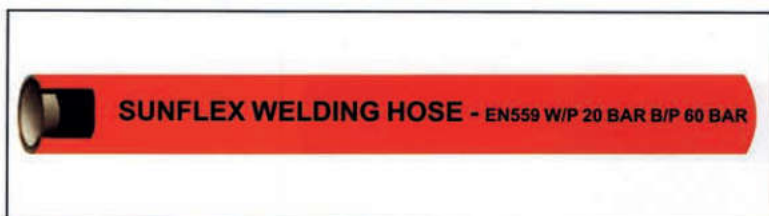
**COILS :** 100MT continuous length

**BRANDING :** Inkjet Black

**'SUNFLEX WELDING HOSE - EN559 W/P 20 BAR B/P 60 BAR'**

| Part No              | Nominal I.D. |      | O.D. | Working Pressure |     | Bursting Pressure |     |
|----------------------|--------------|------|------|------------------|-----|-------------------|-----|
|                      | inch         | mm   | mm   | psi              | bar | psi               | bar |
| OXYGEN (GREY/RIBBED) |              |      |      |                  |     |                   |     |
| WH-OXYGEN-0019-GY    | 3/16"        | 5.0  | 12.0 | 300              | 20  | 900               | 60  |
| WH-OXYGEN-0025-GY    | 1/4"         | 6.0  | 13.0 |                  |     |                   |     |
| WH-OXYGEN-0031-GY    | 5/16"        | 8.0  | 15.0 |                  |     |                   |     |
| WH-OXYGEN-0038-GY    | 3/8"         | 10.0 | 17.0 |                  |     |                   |     |
| WH-OXYGEN-0050-GY    | 1/2"         | 13.0 | 20.0 | 250              | 17  | 750               | 50  |
| WH-OXYGEN-0063-GY    | 5/8"         | 16.0 | 25.0 |                  |     |                   |     |
| WH-OXYGEN-0075-GY    | 3/4"         | 19.0 | 29.0 |                  |     |                   |     |

# FLEXIBLE HOSE & FITTING



## SUNFLEX LPG HOSE

Complies to EN 559

**APPLICATIONS :** For use with welding and allied processes in workshops, shipyards, construction sites and manufacturing industries

**TUBE :** High ignition temperature synthetic rubber

**REINFORCEMENT :** High tensile synthetic textile filament yarn

**COVER :** Excellent ozone and weather resistant synthetic rubber

**COLOR :** ORANGE

**SURFACE :** RIBBED

**TEMPERATURE RANGE :** -25°C to +75°C

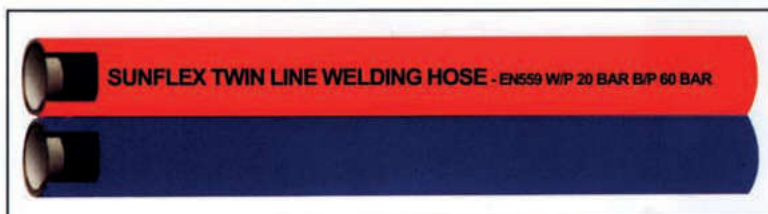
**COILS :** 100MT continuous length

**BRANDING :** Inkjet Black

**'SUNFLEX WELDING HOSE - EN559 W/P 20 BAR B/P 60 BAR'**

| Part No        | Nominal I.D. |      | O.D. | Working Pressure |     | Bursting Pressure |     |
|----------------|--------------|------|------|------------------|-----|-------------------|-----|
|                | inch         | mm   | mm   | psi              | bar | psi               | bar |
| LPG            |              |      |      |                  |     |                   |     |
| ORANGE/RIBBED  |              |      |      |                  |     |                   |     |
| WH-LPG-0025-OE | 1/4"         | 6.0  | 14.0 | 300              | 20  | 900               | 60  |
| WH-LPG-0031-OE | 5/16"        | 8.0  | 16.0 |                  |     |                   |     |
| WH-LPG-0038-OE | 3/8"         | 10.0 | 18.0 |                  |     |                   |     |
| WH-LPG-0050-OE | 1/2"         | 13.0 | 21.0 |                  |     |                   |     |
| WH-LPG-0075-OE | 3/4"         | 19.0 | 30.0 |                  |     |                   |     |

# FLEXIBLE HOSE & FITTING



## SUNFLEX TWIN LINE WELDING HOSE

Complies to EN 559

**APPLICATIONS :** For use with welding and allied processes in workshops, shipyards, construction sites and manufacturing industries

**TUBE :** High ignition temperature synthetic rubber

**REINFORCEMENT :** High tensile synthetic textile filament yarn

**COVER :** Excellent ozone and weather resistant synthetic rubber

**COLOR :** [BLUE GREEN] - OXYGEN [RED] - ACETYLENE

**SURFACE :** RIBBED

**TEMPERATURE RANGE :** -25°C to +75°C

**COILS :** 100MT continuous length

**BRANDING :** Inkjet Black

**'SUNFLEX TWIN LINE WELDING HOSE - EN559 W/P 20 BAR B/P 60 BAR'**

| Part No           | Nominal I.D. |             | O.D.        | Working Pressure |     | Bursting Pressure |     |
|-------------------|--------------|-------------|-------------|------------------|-----|-------------------|-----|
|                   | inch         | mm          | mm          | psi              | bar | psi               | bar |
| WH-TWIN-0019      | 3/16"        | 5.0 + 5.0   | 12.0 + 12.0 | 300              | 20  | 900               | 60  |
| WH-TWIN-0025      | 1/4"         | 6.0 + 6.0   | 13.0 + 13.0 |                  |     |                   |     |
| WH-TWIN-0025-0038 | 1/4" + 3/8"  | 6.0 + 9.0   | 16.0 + 16.0 |                  |     |                   |     |
| WH-TWIN-0031      | 5/16"        | 8.0 + 8.0   | 15.0 + 15.0 |                  |     |                   |     |
| WH-TWIN-0031-0038 | 5/16" + 3/8" | 8.0 + 9.0   | 16.0 + 16.0 |                  |     |                   |     |
| WH-TWIN-0038      | 3/8"         | 10.0 + 10.0 | 17.0 + 17.0 |                  |     |                   |     |

# FLEXIBLE HOSE & FITTING



## OROFLEX 10



### CHARACTERISTICS

Colour: Black.

Composition: Synthetic rubber and Polyester-Polyamide textile.

Surface: Ribbed for maximum abrasion resistance.

Service Temperature: -20°C to +80°C

Standard Length: 30-60 m (up to 200 m to order).

High abrasion resistance.

### APPLICATIONS

- Sewage pumps
- Drainage pumps
- Transfers
- Drainage
- Irrigation installations
- Pumping of sludge and liquid fertilizers
- Temporary installations (by-passes)
- Cable and sling protection covers
- Irrigation guns



| Nominal Diameter |        | Wall thickness<br>mm | Weight<br>per<br>meter<br>grams | Service/burst<br>pressure<br>bar | Tensile<br>strength<br>Kg | Radius of<br>curvature<br>m |
|------------------|--------|----------------------|---------------------------------|----------------------------------|---------------------------|-----------------------------|
| mm               | inches |                      |                                 |                                  |                           |                             |
| 30               | 1 1/4  | 2                    | 270                             | 10 / 30                          | 700                       | 0,500                       |
| 38               | 1 1/2  | 2                    | 310                             | 10 / 30                          | 900                       | 0,700                       |
| 45               | 1 3/4  | 2                    | 370                             | 10 / 30                          | 1.200                     | 0,900                       |
| 52               | 2      | 2                    | 450                             | 10 / 30                          | 1.300                     | 1,100                       |
| 60               | 2 1/4  | 2                    | 500                             | 10 / 30                          | 1.400                     | 1,200                       |
| 65               | 2 1/2  | 2                    | 620                             | 10 / 30                          | 1.400                     | 1,300                       |
| 70               | 2 3/4  | 2,5                  | 650                             | 10 / 30                          | 1.700                     | 1,350                       |
| 76               | 3      | 2,5                  | 680                             | 10 / 30                          | 1.800                     | 1,450                       |
| 80               | 3 1/4  | 2,5                  | 700                             | 10 / 30                          | 1.850                     | 1,450                       |
| 90               | 3 1/2  | 2,5                  | 830                             | 10 / 30                          | 2.100                     | 1,480                       |
| 102              | 4      | 2,5                  | 950                             | 10 / 30                          | 2.400                     | 1,700                       |
| 110              | -      | 3                    | 1.100                           | 10 / 30                          | 4.000                     | 1,800                       |
| 115              | 4 1/2  | 3                    | 1.200                           | 10 / 30                          | 4.100                     | 1.900                       |
| 127              | 5      | 3                    | 1.450                           | 10 / 30                          | 4.200                     | 2,100                       |
| 152              | 6      | 3                    | 1.650                           | 10 / 30                          | 5.000                     | 2,250                       |
| 204              | 8      | 3                    | 2.250                           | 10 / 30                          | 6.600                     | 3,000                       |
| 254              | 10     | 3,5                  | 2.800                           | 8 / 24                           | 8.800                     | 3,300                       |
| 306              | 12     | 4                    | 3250                            | 8 / 24                           | 10.200                    | 3.600                       |

# FLEXIBLE HOSE & FITTING



## OROFLEX 20



### APPLICATIONS

- Air compressors for road and construction work
- Compressors for drilling machinery
- Pumping of high performance liquids
- Applications requiring very high resistance to abrasion

### CHARACTERISTICS

**Colour:** Yellow.

**Composition:** Synthetic rubber and Polyester-Polyamide textile.

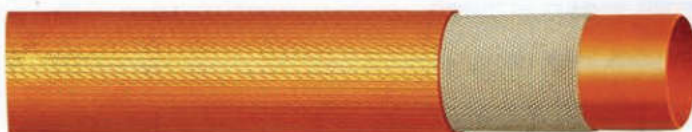
**Surface:** Fine ribbed, highly resistant to abrasion.

**Service Temperature:** >From -20 °C to + 80 °C

**Standard Length:** 60 m (up to 200 m to order).

WATER  
SERVICE = 5 / 3  
PRES.

AIR  
SERVICE  
PRES.



| Nominal diameter |        | Wall thickness<br>mm. | Weight/<br>metre<br>gr. | AIR<br>Service/Bursting<br>Pressure<br>bar | Traction<br>limit for<br>no tearing<br>Kg | Curvature<br>radius<br>mts |
|------------------|--------|-----------------------|-------------------------|--------------------------------------------|-------------------------------------------|----------------------------|
| mm.              | Inches |                       |                         |                                            |                                           |                            |
| 19               | 3/4    | 2,5                   | 180                     | 20 / 160                                   | 300                                       | 0,250                      |
| 19               | 3/4    | 3,5                   | 230                     | 20 / 160                                   | 300                                       | 0,250                      |
| 27               | 1      | 3,5                   | 235                     | 20 / 100                                   | 750                                       | 0,250                      |
| 27               | 1      | 4                     | 275                     | 20 / 100                                   | 750                                       | 0,250                      |
| 38               | 1 1/2  | 3,5                   | 440                     | 15 / 75                                    | 1.200                                     | 0,650                      |
| 45               | 1 3/4  | 3,5                   | 520                     | 15 / 75                                    | 1.400                                     | 0,750                      |
| 52               | 2      | 3,5                   | 650                     | 10 / 50                                    | 1.500                                     | 1,200                      |
| 65               | 2 1/2  | 4                     | 750                     | 10 / 50                                    | 2.050                                     | 1,250                      |
| 76               | 3      | 4                     | 950                     | 10 / 50                                    | 2.600                                     | 1,300                      |
| 102              | 4      | 4                     | 1.275                   | 10 / 50                                    | 3.780                                     | 1,700                      |
| 127              | 5      | 4                     | 1.800                   | 10 / 50                                    | 5.980                                     | 1,970                      |
| 152              | 6      | 4                     | 2.100                   | 10 / 50                                    | 7.280                                     | 1,970                      |
| 204              | 8      | 4,5                   | 2.550                   | 10 / 50                                    | 9.320                                     | 2,250                      |

In yellow version OROFLEX 20 HD reinforced  
\* To order

# FLEXIBLE HOSE & FITTING



## **BDH150** **FOOD & BEVERAGE DELIVERY HOSE 150 PSI**

Special quality food delivery hose , particularly suitable for oil and fatty foods; also excellent for beer, wine, potable water, etc.

**TEMPERATURE RANGE :** -40°C (-40°F) to +85°C (+185°F)

**TUBE :** White, smooth, food quality synthetic rubber, meets F.D.A. and EUROPEAN requirements

**REINFORCEMENT :** High strength synthetic cord

**COVER :** Blue, smooth (wrapped finish), synthetic rubber, abrasion resistant

**COILS :** 40mt (132ft) continuous length; other length available on request

**BRANDING :** White transfer tape with negative text

'SUNFLEX BDH 150 FOOD BEVERAGE DELIVERY HOSE WPSI 150'

| Part No     | I.D. |       | O.D. |         | Working Pressure |     | Bursting Pressure (Theoretical) |     | Weight (Nominal) |        |
|-------------|------|-------|------|---------|------------------|-----|---------------------------------|-----|------------------|--------|
|             | mm   | inch  | mm   | inch    | atm              | psi | atm                             | psi | kg/m             | lbs/ft |
| BDH150-0125 | 32   | 1-1/4 | 48   | 1-57/64 | 10               | 150 | 30                              | 450 | 1.42             | 0.95   |
| BDH150-0150 | 38   | 1-1/2 | 56   | 2-13/64 | 10               | 150 | 30                              | 450 | 1.89             | 1.27   |
| BDH150-0200 | 51   | 2     | 67   | 2-41/64 | 10               | 150 | 30                              | 450 | 2.11             | 1.41   |
| BDH150-0250 | 63.5 | 2-1/2 | 83.5 | 3-9/32  | 10               | 150 | 30                              | 450 | 3.33             | 2.24   |
| BDH150-0300 | 76   | 3     | 102  | 4       | 10               | 150 | 30                              | 450 | 5.00             | 3.35   |
| BDH150-0400 | 102  | 4     | 126  | 5-61/64 | 10               | 150 | 30                              | 450 | 6.43             | 4.31   |

# FLEXIBLE HOSE & FITTING



## BSD150 BEVERAGE SUCTION/DISCHARGE HOSE 150 PSI

Special quality food suction and delivery hose mandrel built, particularly suitable for oil and fatty foods; also excellent for beer, wine, potable water, etc.

**TEMPERATURE RANGE :** -40°C (-40°F) to +85°C (+185°F)

**TUBE :** White, smooth, food quality synthetic rubber, meets F.D.A. and EUROPEAN requirements

**REINFORCEMENT :** High strength synthetic cord plus helix wire

**COVER :** Blue, smooth (wrapped finish), synthetic rubber, abrasion resistant

**COILS :** 40mt (132ft) continuous length; other length available on request

**BRANDING :** White transfer tape with negative text

'SUNFLEX BSD 150 FOOD BEVERAGE SUCTION/DELIVERY HOSE WPSI 150'

| Part No     | I.D. |       | O.D. |         | Working Pressure |     | Bursting Pressure (Theoretical) |     | Weight (Nominal) |        |
|-------------|------|-------|------|---------|------------------|-----|---------------------------------|-----|------------------|--------|
|             | mm   | inch  | mm   | inch    | atm              | psi | atm                             | psi | kg/m             | lbs/ft |
| BSD150-0150 | 38   | 1-1/2 | 50   | 2-1/16  | 10               | 150 | 30                              | 450 | 1.48             | 0.99   |
| BSD150-0200 | 50   | 2     | 67   | 2-41/64 | 10               | 150 | 30                              | 450 | 2.48             | 1.70   |
| BSD150-0250 | 63   | 2-1/2 | 78   | 3-1/8   | 10               | 150 | 30                              | 450 | 3.03             | 2.04   |
| BSD150-0300 | 76   | 3     | 94   | 3-45/64 | 10               | 150 | 30                              | 450 | 4.30             | 2.89   |
| BSD150-0350 | 90   | 3-1/2 | 106  | 4-3/16  | 10               | 150 | 30                              | 450 | 3.46             | 2.37   |
| BSD150-0400 | 102  | 4     | 118  | 4-13/16 | 10               | 150 | 30                              | 450 | 6.10             | 4.10   |

# FLEXIBLE HOSE & FITTING



## BT600 GROUTING HOSE 600 PSI

Mandrel built rubber hose engineered for the spraying of plaster, grout, gypsum and concrete, with a heavy construction which resists kinking.

**TEMPERATURE RANGE :** -40°C (-40°F) to +85°C (+185°F)

**TUBE :** Black, smooth, specially compounded for superior resistance to abrasion

**REINFORCEMENT :** High strength synthetic cord

**COVER :** Black, smooth (wrapped finish) abrasion, weather and ozone resistant synthetic rubber

**COILS :** 61mt (200ft) continuous length; other length available on request

**BRANDING :** White transfer tape with negative text

'SUNFLEX BT600 GROUTING HOSE WPSI 600'

| Part No    | I.D. |       | O.D. |         | Working Pressure |     | Bursting Pressure (Theoretical) |      | Weight (Nominal) |        |
|------------|------|-------|------|---------|------------------|-----|---------------------------------|------|------------------|--------|
|            | mm   | inch  | mm   | inch    | atm              | psi | atm                             | psi  | kg/m             | lbs/ft |
| BT600-0125 | 32   | 1-1/4 | 46   | 1-13/16 | 40               | 600 | 120                             | 1800 | 1.10             | 0.75   |
| BT600-0150 | 38   | 1-1/2 | 54   | 2-1/8   | 40               | 600 | 120                             | 1800 | 1.50             | 1.03   |
| BT600-0200 | 51   | 2     | 68   | 2-11/16 | 40               | 600 | 120                             | 1800 | 2.20             | 1.51   |
| BT600-0250 | 63   | 2-1/2 | 83   | 3-1/4   | 40               | 600 | 120                             | 1800 | 3.26             | 2.23   |
| BT600-0300 | 76   | 3     | 98   | 3-7/8   | 40               | 600 | 120                             | 1800 | 3.71             | 2.54   |
| BT600-0400 | 102  | 4     | 130  | 5-1/8   | 40               | 600 | 120                             | 1800 | 6.88             | 4.71   |

# FLEXIBLE HOSE & FITTING



## CDH150 CEMENT DELIVERY HOSE 150 PSI

Bulk materials handling hose, used to convey cement, sand gravel, silica and other abrasive materials; it is manufactured with anti-static rubber, granting a complete discharge of static electricity

**TEMPERATURE RANGE :** -40°C (-40°F) to +85°C (+185°F)

**TUBE :** Black, smooth, compound for long wear resistance in handling hard, sharp abrasive materials; it is anti static

**REINFORCEMENT :** High strength synthetic cord

**COVER :** Black, smooth(wrapped finish) abrasion and resistant synthetic rubber; it is anti-static

**COILS :** 61mt (200ft) continuous length; other length available on request

**BRANDING :** Green transfer tape with negative text

'SUNFLEX CDH 150 BULK MATERIAL DELIVERY HOSE WPSI 150'

| Part No     | I.D. |      | O.D. |         | Working Pressure |     | Bursting Pressure (Theoretical) |     | Weight (Nominal) |        |
|-------------|------|------|------|---------|------------------|-----|---------------------------------|-----|------------------|--------|
|             | mm   | inch | mm   | inch    | atm              | psi | atm                             | psi | kg/m             | lbs/ft |
| CDH150-0300 | 76   | 3    | 95   | 3-47/64 | 10               | 150 | 30                              | 450 | 3.45             | 2.36   |
| CDH150-0400 | 102  | 4    | 122  | 4-13/16 | 10               | 150 | 30                              | 450 | 4.56             | 3.12   |
| CDH150-0500 | 127  | 5    | 149  | 5-7/8   | 10               | 150 | 30                              | 450 | 6.01             | 4.12   |

# FLEXIBLE HOSE & FITTING



## CPH750 STEEL CONCRETE HOSE 750 PSI

Used for the placement of concrete to the casting locations; its flexible construction allows was handing and small bending radius; extremely crush & full suction resistant.

**TEMPERATURE RANGE :** -40°C (-40°F) to +85°C (+185°F)

**TUBE :** Black, smooth synthetic rubber withstanding the abrasive action of the concrete

**REINFORCEMENT :** Plies of steel wire cord

**COVER :** Black, smooth (wrapped finish) abrasion, weather and ozone resistant

**COILS :** 61mt (200ft) continuous length; other length available on request

**BRANDING :** Yellow transfer tape with negative text

'SUNFLEX CPH 750 CONCRETE PUMP HOSE WPSI 750'

| Part No     | I.D. |      | O.D. |         | Working Pressure |     | Bursting Pressure (Theoretical) |      | Weight (Nominal) |        |
|-------------|------|------|------|---------|------------------|-----|---------------------------------|------|------------------|--------|
|             | mm   | inch | mm   | inch    | atm              | psi | atm                             | psi  | kg/m             | lbs/ft |
| CPH750-0400 | 102  | 4    | 129  | 5-13/64 | 51               | 750 | 153                             | 2250 | 6.90             | 4.63   |
| CPH750-0500 | 127  | 5    | 154  | 6-5/32  | 51               | 750 | 153                             | 2250 | 9.65             | 6.47   |

## FLEXIBLE HOSE &amp; FITTING



**CPH1232 - 85 BAR**  
**STEEL CONCRETE PUMPING HOSE 1232 PSI**

Used for placement of concrete to the casting locations.

**TEMPERATURE RANGE :** -40°C (-40°F) to +70°C (+158°F)

**TUBE :** Abrasion resistant, special conductive natural and CBR rubber

**REINFORCEMENT :** High tensile steel cords

**COVER :** Abrasion, ozone and weather resistant pin-pricked special synthetic rubber

**BRANDING :** Yellow transfer tape with negative text

'SUNFLEX CPH1232 CONCRETE PUMP HOSE WPSI 1232'

| Part No      | I.D.  |       | O.D. |         | Working Pressure |      | Bursting Pressure (Theoretical) |      | Weight (Nominal) |        | Bending Radius |
|--------------|-------|-------|------|---------|------------------|------|---------------------------------|------|------------------|--------|----------------|
|              | mm    | inch  | mm   | inch    | atm              | psi  | atm                             | psi  | kg/m             | lbs/ft | mm             |
| CPH1232-0200 | 50.8  | 2     | 70   | 2-3/4   | 85               | 1232 | 200                             | 2900 | 3.41             | 2.36   | 508            |
| CPH1232-0250 | 63.5  | 2-1/2 | 88   | 3-15/32 | 85               | 1232 | 200                             | 2900 | 4.97             | 3.43   | 635            |
| CPH1232-0300 | 76.2  | 3     | 102  | 4-1/64  | 85               | 1232 | 200                             | 2900 | 6.58             | 4.54   | 762            |
| CPH1232-0400 | 101.6 | 4     | 130  | 5-1/8   | 85               | 1232 | 200                             | 2900 | 9.38             | 6.48   | 1016           |
| CPH1232-0500 | 127   | 5     | 155  | 6-7/64  | 85               | 1232 | 200                             | 2900 | 10.95            | 7.56   | 1270           |
| CPH1232-0600 | 152.4 | 6     | 184  | 7-1/4   | 85               | 1232 | 175                             | 2538 | 13.49            | 9.32   | 1524           |

# FLEXIBLE HOSE & FITTING



## CSD150 CEMENT SUCTION HOSE 150 PSI

Dry material suction and delivery hose specially designed for transfer of dry cement, sand, gravel, feed, seeds, etc. by suction, gravity or by pneumatic systems.

**TEMPERATURE RANGE :** -40°C (-40°F) to +85°C (+185°F)

**TUBE :** Black, smooth, compounded for long wear resistance in handling hard, sharp, abrasive materials; it is anti-static

**REINFORCEMENT :** High strength synthetic cord plus helix wire

**COVER :** Black, smooth (wrapped finish) synthetic rubber, weather, ozone and wear resistant

**COILS :** 61mt (200ft) continuous length; other length available on request

**BRANDING :** Green transfer tape with negative text

'SUNFLEX CSD 150 BULK MATERIAL SUCTION/DELIVERY HOSE WPSI 150'

| Part No     | I.D. |      | O.D. |         | Working Pressure |     | Bursting Pressure (Theoretical) |     | Weight (Nominal) |        |
|-------------|------|------|------|---------|------------------|-----|---------------------------------|-----|------------------|--------|
|             | mm   | inch | mm   | inch    | atm              | psi | atm                             | psi | kg/m             | lbs/ft |
| CSD150-0300 | 76   | 3    | 98   | 3-55/64 | 10               | 150 | 30                              | 450 | 2.90             | 1.92   |
| CSD150-0400 | 102  | 4    | 124  | 4-7/8   | 10               | 150 | 30                              | 450 | 4.67             | 3.11   |
| CSD150-0500 | 127  | 5    | 152  | 5-63/64 | 10               | 150 | 30                              | 450 | 5.80             | 3.90   |
| CSD150-0600 | 152  | 6    | 174  | 6-27/32 | 10               | 150 | 30                              | 450 | 10.10            | 6.25   |

# FLEXIBLE HOSE & FITTING



## CTH150 CEMENT TANKER HOSE (CORRUGATED)

For Suction and discharge of dry bulk materials, sand, gravel, dry cement etc.

TEMPERATURE RANGE : -40°C (-40°F) to +70°C (+158°F)

TUBE : Abrasion resistant, conductive natural rubber

REINFORCEMENT : High tensile synthetic textile, steel wire helix and antistatic copper wire

COVER : Abrasion, ozone and weather resistant corrugated special synthetic rubber

BRANDING : Black cover with embossed tape

'SUNFLEX CTH150 CEMENT TANKER HOSE WPSI 150'

| Part No     | I.D.  |       | O.D. |          | Working Pressure |     | Bursting Pressure (Theoretical) |     | Weight (Nominal) |        | Bending Radius |
|-------------|-------|-------|------|----------|------------------|-----|---------------------------------|-----|------------------|--------|----------------|
|             | mm    | inch  | mm   | inch     | atm              | psi | atm                             | psi | kg/m             | lbs/ft |                |
| CTH150-0100 | 25.4  | 1     | 37.5 | 1-31/64  | 10               | 150 | 30                              | 450 | 0.81             | 0.54   | 101.6          |
| CTH150-0125 | 32    | 1-1/4 | 44   | 1-47/64  | 10               | 150 | 30                              | 450 | 0.98             | 0.66   | 128            |
| CTH150-0150 | 38    | 1-1/2 | 51   | 2        | 10               | 150 | 30                              | 450 | 1.31             | 0.88   | 152            |
| CTH150-0200 | 50.8  | 2     | 64.5 | 2-17/32  | 10               | 150 | 30                              | 450 | 1.78             | 1.2    | 203.2          |
| CTH150-0250 | 63.5  | 2-1/2 | 77.5 | 3-1/16   | 10               | 150 | 30                              | 450 | 2.38             | 1.6    | 254            |
| CTH150-0300 | 76.2  | 3     | 90.5 | 3-9/16   | 10               | 150 | 30                              | 450 | 3.04             | 2.04   | 304            |
| CTH150-0350 | 90    | 3-1/2 | 106  | 4-11/64  | 10               | 150 | 30                              | 450 | 3.90             | 2.62   | 360            |
| CTH150-0400 | 101.6 | 4     | 119  | 4-11/16  | 10               | 150 | 30                              | 450 | 4.66             | 3.13   | 457            |
| CTH150-0500 | 127   | 5     | 147  | 5-25/32  | 10               | 150 | 30                              | 450 | 6.82             | 4.58   | 635            |
| CTH150-0600 | 152.4 | 6     | 173  | 6-13/16  | 10               | 150 | 30                              | 450 | 8.81             | 5.92   | 760            |
| CTH150-0800 | 203.2 | 8     | 227  | 8-15/16  | 10               | 150 | 30                              | 450 | 14.07            | 9.45   | 1219.2         |
| CTH150-1000 | 254   | 10    | 279  | 10-63/64 | 10               | 150 | 30                              | 450 | 16.99            | 11.42  | 1524           |

# FLEXIBLE HOSE & FITTING



## RS-MDH600 SOFTWALL LIQUID MUD DELIVERY

For discharge of high pressure liquid mud

TEMPERATURE RANGE : -35°C / +85°C

TUBE : Black, neoprene rubber

REINFORCEMENT : High tensile synthetic textile and anti-static wire

COVER : Black, weather and ozone resistant neoprene rubber

COILS : 61mt (200ft) continuous length; other length available on request

BRANDING : With yellow longitudinal stripe / Emboss branding with orange longitudinal stripe upon request

'SUNFLEX RS-MDH600 LIQUID MUD DELIVERY HOSE WPSI 600'

| Part No        | Size | I.D. | O.D. | Working Pressure |     | Bursting Pressure (Theoretical) |      | Weight (Nominal) | Bending Radius |
|----------------|------|------|------|------------------|-----|---------------------------------|------|------------------|----------------|
|                | inch | mm   | mm   | bar              | psi | bar                             | psi  | kg/m             | mm             |
| RS-MDH600-0300 | 3    | 76   | 97   | 40               | 580 | 165                             | 2393 | 3.73             | 760            |
| RS-MDH600-0400 | 4    | 102  | 126  | 40               | 580 | 165                             | 2393 | 5.69             | 1020           |

# FLEXIBLE HOSE & FITTING



## SBH150 SAND BLASTING HOSE 150 PSI

A long-lasting heavy-duty hose exceptionally tough and abrasion resistant for use in sand and steel blasting service; it is manufactured with anti-static rubber granting a complete discharge of static electricity.

**TEMPERATURE RANGE :** -40°C (-40°F) to +85°C (+185°F)

**TUBE :** Black, smooth, with excellent resistance to abrasion; it is anti-static

**REINFORCEMENT :** High strength synthetic cord

**COVER :** Black, smooth(wrapped finish) highly abrasion resistant synthetic rubber; it is anti-static

**COILS :** 61mt (200ft) continuous length; other length available on request

**BRANDING :** Green transfer tape with negative text  
'SUNFLEX SBH 150 SANDBLAST HOSE WPSI 150'

| Part No     | I.D. |       | O.D. |         | Working Pressure |     | Bursting Pressure (Theoretical) |     | Weight (Nominal) |        |
|-------------|------|-------|------|---------|------------------|-----|---------------------------------|-----|------------------|--------|
|             | mm   | inch  | mm   | inch    | atm              | psi | atm                             | psi | kg/m             | lbs/ft |
| SBH150-0050 | 13   | 1/2   | 29   | 1-1/16  | 12               | 175 | 36                              | 530 | 0.49             | 0.33   |
| SBH150-0075 | 19   | 3/4   | 35   | 1-5/16  | 12               | 175 | 36                              | 530 | 0.61             | 0.41   |
| SBH150-0100 | 25   | 1     | 40   | 1-9/16  | 12               | 175 | 36                              | 530 | 0.84             | 0.56   |
| SBH150-0125 | 32   | 1-1/4 | 48   | 1-57/64 | 12               | 175 | 36                              | 530 | 1.06             | 0.71   |
| SBH150-0150 | 38   | 1-1/2 | 54   | 2-1/8   | 12               | 175 | 36                              | 530 | 1.22             | 0.82   |
| SBH150-0200 | 51   | 2     | 70   | 2-13/16 | 12               | 175 | 36                              | 530 | 2.11             | 1.41   |
| SBH150-0250 | 63   | 2-1/2 | 83.5 | 3-1/4   | 12               | 175 | 36                              | 530 | 3.26             | 2.23   |

# FLEXIBLE HOSE & FITTING



## SSD150 SLURRY SUCTION AND DISCHARGE HOSE 150 PSI

APPLICATION: For suction and delivery of abrasive slurry materials

TEMPERATURE RANGE : -40°C (-40°F) to +85°C (+185°F)

TUBE: 9mm Natural Rubber-Super Abrasion Resistant (S.A.R.)

REINFORCEMENT: 4 ply, high tensile synthetic incorporating a wire helix

COVER: 2mm Black, Natural Rubber Super Abrasion Resistant (S.A.R.) Yellow Straight stripe

BRANDING : Black cover with embossed yellow stripe tape

'SUNFLEX SSD150 SUCTION/DELIVERY HOSE WPSI 150 '

| Part No     | I.D.X O.D. | I.D. | Working Pressure |     | Bending Radius | Weight |
|-------------|------------|------|------------------|-----|----------------|--------|
|             | mm         | Inch | atm              | psi | mm             | Kg/m   |
| SSD150-0600 | 152×184    | 6"   | 10               | 150 | 1990           | 12.12  |
| SSD150-0800 | 203×235    | 8"   |                  |     | 2620           | 17.94  |
| SSD150-1000 | 254×286    | 10"  |                  |     | 4760           | 25.42  |
| SSD150-1200 | 305×344    | 12"  |                  |     | 5600           | 29.7   |

# FLEXIBLE HOSE & FITTING



## SSD150-COR SLURRY SUCTION AND DISCHARGE HOSE 150 PSI CORRUGATED COVER

APPLICATION : For suction and delivery of abrasive slurry materials

TEMPERATURE RANGE : -40°C (-40°F) to +85°C (+185°F)

BRANDING : Black cover with embossed yellow stripe tape

'SUNFLEX SSD150-COR SUCTION/DELIVERY HOSE WPSI 150'

| Size (ID×OD)  | 152×185 | 204×236  | 254×290   | 305×344    |
|---------------|---------|----------|-----------|------------|
| Construction  | 6"×7.4" | 8"×9.44" | 10"×11.6" | 12"×13.76" |
| IN TUBE 4002  | 9 MM    | 9 MM     | 9 MM      | 9 MM       |
| REINFORCEMENT | 4 PLY   | 4 PLY    | 4 PLY     | 6 PLY      |
| INSULATIONS   | 1 MM    | 1 MM     | 1 MM      | 1 MM       |
| HELIX WIRE    | 4 MM    | 5 MM     | 6 MM      | 6 MM       |

Note : Compound 4002 : High abrasive resistant black compound

| Part No         | I.D.X O.D. |            | Working Pressure |     | Bending Radius | Weight |
|-----------------|------------|------------|------------------|-----|----------------|--------|
|                 | mm         | inch       | atm              | psi | mm             | Kg/m   |
| SSD150-0600-COR | 152×185    | 6"×7.4"    | 10               | 150 | 1150           | 12.6   |
| SSD150-0800-COR | 204×236    | 8"×9.44"   |                  |     | 1980           | 16.2   |
| SSD150-1000-COR | 254×290    | 10"×11.6"  |                  |     | 4180           | 21.7   |
| SSD150-1200-COR | 305×344    | 12"×13.76" |                  |     | 4770           | 26.6   |

# FLEXIBLE HOSE & FITTING



## AHT 150 ASPHALT HOSE 150 PSI

A strong yet flexible hose, specially designed as tank truck or tank wagon hose for loading and unloading hot asphalt.

**TEMPERATURE RANGE :** -15°C (-5°F) to +185°C (+365°F)

**TUBE :** Black, smooth, polyacrylic compound

**REINFORCEMENT :** Plies of steel wire cord plus helix wire

**COVER :** Black, smooth (wrapped finish) special synthetic rubber, compounded for an excellent resistance to weather, ozone, abrasion, tar and oil

**COILS :** Size 3/4" to 5" supply in 61mt (200ft) continuous length

**BRANDING :** White transfer tape with negative text

'SUNFLEX AHT 150 ASPHALT HOSE WPSI 150'

| Part No     | I.D.  |       | O.D. |         | Working Pressure |     | Bursting Pressure (Theoretical) |     | Weight (Nominal) |        | Bending Radius |
|-------------|-------|-------|------|---------|------------------|-----|---------------------------------|-----|------------------|--------|----------------|
|             | mm    | inch  | mm   | inch    | atm              | psi | atm                             | psi | kg/m             | lbs/ft |                |
| AHT150-0150 | 38.0  | 1-1/2 | 56   | 2-13/64 | 10               | 150 | 30                              | 450 | 1.87             | 1.26   | 228            |
| AHT150-0200 | 50.8  | 2     | 71   | 2-51/64 | 10               | 150 | 30                              | 450 | 2.85             | 1.92   | 305            |
| AHT150-0250 | 63.5  | 2-1/2 | 81   | 3-3/16  | 10               | 150 | 30                              | 450 | 3.19             | 2.14   | 381            |
| AHT150-0300 | 76.2  | 3     | 94   | 3-45/64 | 10               | 150 | 30                              | 450 | 4.20             | 2.82   | 457            |
| AHT150-0350 | 90.0  | 3-1/2 | 112  | 4-13/32 | 10               | 150 | 30                              | 450 | 5.12             | 3.44   | 540            |
| AHT150-0400 | 101.6 | 4     | 126  | 4-31/32 | 10               | 150 | 30                              | 450 | 6.30             | 4.23   | 610            |
| AHT150-0500 | 127.0 | 5     | 155  | 6-7/64  | 10               | 150 | 30                              | 450 | 8.33             | 5.60   | 762            |
| AHT150-0600 | 152.4 | 6     | 184  | 7-1/4   | 10               | 150 | 30                              | 450 | 10.45            | 7.02   | 914            |

# FLEXIBLE HOSE & FITTING



## AHT 220 ASPHALT HOSE 220 PSI

A strong yet flexible hose, specially designed as tank truck or tank wagon hose for loading and unloading hot asphalt.

**TEMPERATURE RANGE :** -15°C (-5°F) to +185°C (+365°F)

**TUBE :** Black, smooth, polyacrylic compound

**REINFORCEMENT :** Plies of steel wire cord plus helix wire

**COVER :** Black, smooth (wrapped finish) special synthetic rubber, compounded for an excellent resistance to weather, ozone, abrasion, tar and oil

**COILS :** Size 3/4" to 5" supply in 61mt (200ft) continuous length

**BRANDING :** White transfer tape with negative text  
'SUNFLEX AHT 220 ASPHALT HOSE WPSI 220'

| Part No     | I.D.  |       | O.D. |         | Working Pressure |     | Bursting Pressure (Theoretical) |     | Weight (Nominal) |        | Bending Radius |
|-------------|-------|-------|------|---------|------------------|-----|---------------------------------|-----|------------------|--------|----------------|
|             | mm    | inch  | mm   | inch    | atm              | psi | atm                             | psi | kg/m             | lbs/ft | mm             |
| AHT220-0150 | 38.0  | 1-1/2 | 56   | 2-13/64 | 15               | 220 | 45                              | 660 | 1.87             | 1.26   | 228            |
| AHT220-0200 | 50.8  | 2     | 71   | 2-51/64 | 15               | 220 | 45                              | 660 | 2.83             | 1.90   | 305            |
| AHT220-0250 | 63.5  | 2-1/2 | 81   | 3-3/16  | 15               | 220 | 45                              | 660 | 3.00             | 2.01   | 381            |
| AHT220-0300 | 76.2  | 3     | 94   | 3-45/64 | 15               | 220 | 45                              | 660 | 3.56             | 2.40   | 457            |
| AHT220-0350 | 90.0  | 3-1/2 | 112  | 4-13/32 | 15               | 220 | 45                              | 660 | 5.05             | 3.40   | 540            |
| AHT220-0400 | 101.6 | 4     | 126  | 4-31/32 | 15               | 220 | 45                              | 660 | 6.19             | 4.16   | 610            |
| AHT220-0500 | 127.0 | 5     | 155  | 6-7/64  | 15               | 220 | 45                              | 660 | 9.02             | 6.06   | 762            |
| AHT220-0600 | 152.4 | 6     | 184  | 7-1/4   | 15               | 220 | 45                              | 660 | 12.43            | 8.35   | 914            |

# FLEXIBLE HOSE & FITTING



## AHT 295 ASPHALT HOSE 295 PSI

A strong yet flexible hose, specially designed as tank truck or tank wagon hose for loading and unloading hot asphalt.

**TEMPERATURE RANGE :** -15°C (-5°F) to +185°C (+365°F)

**TUBE :** Black, smooth, polyacrylic compound

**REINFORCEMENT :** Plies of steel wire cord plus helix wire

**COVER :** Black, smooth (wrapped finish) special synthetic rubber, compounded for an excellent resistance to weather, ozone, abrasion, tar and oil

**COILS :** Size 3/4" to 5" supply in 61mt (200ft) continuous length

**BRANDING :** White transfer tape with negative text

'SUNFLEX AHT 295 ASPHALT HOSE WPSI 295'

| Part No     | I.D. |       | O.D. |         | Working Pressure |     | Bursting Pressure (Theoretical) |      | Weight (Nominal) |        |
|-------------|------|-------|------|---------|------------------|-----|---------------------------------|------|------------------|--------|
|             | mm   | inch  | mm   | inch    | atm              | psi | atm                             | psi  | kg/m             | lbs/ft |
| AHT295-0075 | 19   | 3/4   | 32   | 1-1/4   | 20               | 295 | 130                             | 1910 | 1.00             | 0.67   |
| AHT295-0100 | 25   | 1     | 38   | 1-1/2   | 20               | 295 | 110                             | 1620 | 1.28             | 0.86   |
| AHT295-0125 | 32   | 1-1/4 | 46   | 1-13/16 | 20               | 295 | 90                              | 1320 | 1.75             | 1.18   |

# FLEXIBLE HOSE & FITTING



## DH300 HEAVY DUTY OIL SUCTION & DISCHARGE DOCK HOSE

Sunflex DH300 is designed for loading and unloading of Petroleum based products of up to 50% Aromatic content. Suitable for bunkering services between docks and ships under all types of service condition.

**TEMPERATURE RANGE :** -40°C (-40°F) to +100°C (+212°F)

**TUBE :** Black, Oil Resistance Nitrile Rubber, Smooth Bore

**REINFORCEMENT :** High tensile synthetic cord incorporating wire helix

**COVER :** Black, oil, abrasion, ozone and weather resistance chloroprene rubber with orange longitudinal stripe

**PRESSURE RATING :** Working Pressure - 300 PSI / Test Pressure - 450 PSI

**SAFETY FACTOR :** Minimum 4:1

**MARKING :** SUNFLEX DH300 SUNFLEX BUNKERING HOSE WP 300 PSI TP 450 PSI BS 1435-S 15

**HOSE ASSEMBLIES FULLY CONFORM TO :** BS 1435 1987 Type S15

| Part No    | Nominal Bore |     |     | Bend Radius | Hose Weight | Swaged Fittings Weight |
|------------|--------------|-----|-----|-------------|-------------|------------------------|
|            | ID           |     | OD  |             |             |                        |
|            | inch         | mm  | mm  |             |             |                        |
| DH300-0400 | 4            | 102 | 126 | 815         | 6.351       | 9.2                    |
| DH300-0600 | 6            | 152 | 182 | 1215        | 11.93       | 17.4                   |
| DH300-0800 | 8            | 203 | 237 | 2035        | 16.84       | 28.4                   |
| DH300-1000 | 10           | 254 | 289 | 2035        | 22.75       | 42.0                   |
| DH300-1200 | 12           | 305 | 347 | 2600        | 33.18       | 46.0                   |

# FLEXIBLE HOSE & FITTING



## MSD300 MULTI SUCTION/DISCHARGE HOSE 300 PSI

Heavy duty suction and delivery hose, excellent for use as a tank truck or tank wagon hose; it withstands the full vacuum; its anti-static cover conforms fully to PTB specifications; used for a wide range of petroleum products up to 50% aromatic content.

**TEMPERATURE RANGE :** -40°C (-40°F) to +100°C (+212°F)

**TUBE :** Black, smooth, nitrile rubber compounded

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

**COVER :** Black, smooth (wrapped finish) high grade chloroprene rubber, compounded for an excellent resistance to weather, ozone, abrasion and oil resistant; antistatic

**COILS :** 61mt (200ft) continuous length; other length available on request

**BRANDING :** Purple transfer tape with negative text

'SUNFLEX MSD 300 HEAVY DUTY OIL/WATER SUCTION HOSE WPSI 300'

| Part No     | I.D. |      | O.D. |         | Working Pressure |     | Bursting Pressure (Theoretical) |     | Weight (Nominal) |        |
|-------------|------|------|------|---------|------------------|-----|---------------------------------|-----|------------------|--------|
|             | mm   | inch | mm   | inch    | atm              | psi | atm                             | psi | kg/m             | lbs/ft |
| MSD300-0200 | 51   | 2    | 65   | 2-9/16  | 20               | 300 | 60                              | 900 | 1.81             | 1.24   |
| MSD300-0300 | 76   | 3    | 93   | 3-21/32 | 20               | 300 | 60                              | 900 | 2.93             | 2.01   |
| MSD300-0400 | 102  | 4    | 120  | 4-47/64 | 20               | 300 | 60                              | 900 | 4.95             | 3.36   |
| MSD300-0600 | 152  | 6    | 174  | 6-55/64 | 20               | 300 | 60                              | 900 | 7.80             | 11.39  |

# FLEXIBLE HOSE & FITTING



## MSH300 MULTISERVIZ HOSE 300 PSI

A lightweight heavy duty multi purpose hose which is suitable for :-

Public Works : Air hoses for compressors and pneumatic hammers.

Car Industry : Pneumatic hose assemblies in compressed air tubes.

Agriculture : Low to medium pressure chemical spraying (20 bars).

Hydraulic Equipment : Low to medium pressure hose assemblies for flowback of lubrication oils (20 bars).

Fluid Transport : Air, water oils, petroleum, heavy water and salt solution where 'push-on' reusable type fittings are desired for fast and easy installation.

TEMPERATURE RANGE : -10°C (+14°F) to +60°C (+140°F)

TUBE : Black, smooth, oil and chemicals resistant TPR material

REINFORCEMENT : High strength polyester braid

COVER : Red, smooth oil, weather and abrasion resistant TPR material

COILS : 100mt (330ft) continuous length; other length available on request

BRANDING : Inkjet Black

'SUNFLEX MSH300 PREMIUM MULTI-PURPOSE HOSE WPSI 300'

| Part No     | I.D. |      | O.D. |         | Working Pressure |     | Bursting Pressure (Theoretical) |     | Weight (Nominal) |        |
|-------------|------|------|------|---------|------------------|-----|---------------------------------|-----|------------------|--------|
|             | mm   | inch | mm   | inch    | atm              | psi | atm                             | psi | kg/m             | lbs/ft |
| MSH300-0025 | 06   | 1/4  | 13   | 33/64   | 20               | 300 | 60                              | 900 | 0.15             | 0.10   |
| MSH300-0031 | 08   | 5/16 | 15   | 19/32   | 20               | 300 | 60                              | 900 | 0.18             | 0.12   |
| MSH300-0038 | 10   | 3/8  | 18   | 45/64   | 20               | 300 | 60                              | 900 | 0.21             | 0.14   |
| MSH300-0050 | 13   | 1/2  | 21   | 53/64   | 20               | 300 | 60                              | 900 | 0.24             | 1.16   |
| MSH300-0063 | 16   | 5/8  | 24   | 15/16   | 20               | 300 | 60                              | 900 | 0.27             | 0.18   |
| MSH300-0075 | 19   | 3/4  | 29   | 1-9/64  | 20               | 300 | 60                              | 900 | 0.44             | 0.30   |
| MSH300-0100 | 25   | 1    | 36   | 1-22/64 | 20               | 300 | 60                              | 900 | 0.53             | 0.35   |

## FLEXIBLE HOSE &amp; FITTING


**ODH150**  
**OIL DELIVERY HOSE 150 PSI**

Used for delivery and transfer of a wide range of petroleum products up to 50% aromatic content and up to maximum working temperature +100°C (+212°F)

**TEMPERATURE RANGE :** -40°C (-40°F) to +100°C (+212°F)

**TUBE :** Black, smooth, nitrile rubber compounded

**REINFORCEMENT :** High strength synthetic cord plus anti-static copper wires

**COVER :** Red, smooth (wrapped finish) high grade chloroprene rubber, compounded for an excellent resistance to weather, ozone, abrasion and oil

**COILS :** 61mt (200ft) continuous length; other length available on request

**BRANDING :** White transfer tape with negative text

'SUNFLEX ODH 150 OIL DELIVERY HOSE WPSI 150'

| Part No     | I.D. |       | O.D. |         | Working Pressure |     | Bursting Pressure (Theoretical) |     | Weight (Nominal) |        | Bending Radius |
|-------------|------|-------|------|---------|------------------|-----|---------------------------------|-----|------------------|--------|----------------|
|             | mm   | inch  | mm   | inch    | atm              | psi | atm                             | psi | kg/m             | lbs/ft | mm             |
| ODH150-0100 | 25   | 1     | 36.5 | 1-13/32 | 10               | 150 | 30                              | 450 | 0.82             | 0.56   | 250            |
| ODH150-0125 | 32   | 1-1/4 | 46   | 1-47/94 | 10               | 150 | 30                              | 450 | 1.2              | 0.82   | 320            |
| ODH150-0138 | 35   | 1-3/8 | 48   | 1-57/64 | 10               | 150 | 30                              | 450 | 1.29             | 0.88   | 350            |
| ODH150-0150 | 38   | 1-1/2 | 52   | 2-3/64  | 10               | 150 | 30                              | 450 | 1.38             | 0.95   | 380            |
| ODH150-0163 | 42   | 1-5/8 | 53   | 2-3/32  | 10               | 150 | 30                              | 450 | 1.5              | 1.00   | 250            |
| ODH150-0175 | 45   | 1-3/4 | 60   | 2-23/64 | 10               | 150 | 30                              | 450 | 1.69             | 1.16   | 450            |
| ODH150-0200 | 51   | 2     | 64   | 2-1/2   | 10               | 150 | 30                              | 450 | 1.78             | 1.22   | 510            |
| ODH150-0225 | 57   | 2-1/4 | 70   | 2-49/64 | 10               | 150 | 30                              | 450 | 1.96             | 1.34   | 530            |
| ODH150-0238 | 60   | 2-3/8 | 73   | 2-55/64 | 10               | 150 | 30                              | 450 | 2.06             | 1.41   | 600            |
| ODH150-0250 | 63   | 2-1/2 | 78   | 2-59/64 | 10               | 150 | 30                              | 450 | 2.32             | 1.59   | 630            |
| ODH150-0300 | 76   | 3     | 90   | 3-1/2   | 10               | 150 | 30                              | 450 | 2.75             | 1.88   | 760            |
| ODH150-0350 | 90   | 3-1/2 | 108  | 4-1/4   | 10               | 150 | 30                              | 450 | 3.45             | 2.36   | 900            |
| ODH150-0400 | 102  | 4     | 120  | 4-21/32 | 10               | 150 | 30                              | 450 | 3.90             | 2.67   | 1020           |
| ODH150-0600 | 152  | 6     | 170  | 6-11/16 | 10               | 150 | 30                              | 450 | 5.05             | 3.39   | 1524           |

# FLEXIBLE HOSE & FITTING



## OSD150

### OIL SUCTION/DISCHARGE HOSE 150 PSI

Tank truck and tank wagon suction and delivery hose; it withstands the full vacuum; used for a wide range of petroleum products up to 50% aromatic content

TEMPERATURE RANGE : -40°C (-40°F) to +100°C (+212°F)

TUBE : Black, smooth, nitrile compound

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

COVER : Black, smooth (wrapped finish) high grade chloroprene rubber, compounded for an excellent resistance to weather, ozone, abrasion and oil

COILS : 61mt (200ft) continuous length; other length available on request

BRANDING : Red transfer tape with negative text

'SUNFLEX OSD 150 OIL SUCTION/DELIVERY HOSE WPSI 150'

| Part No     | I.D. |       | O.D. |         | Working Pressure |     | Bursting Pressure (Theoretical) |     | Weight (Nominal) |        | Bending Radius |
|-------------|------|-------|------|---------|------------------|-----|---------------------------------|-----|------------------|--------|----------------|
|             | mm   | inch  | mm   | inch    | atm              | psi | atm                             | psi | kg/m             | lbs/ft | mm             |
| OSD150-0100 | 25   | 1     | 35   | 1-3/8   | 10               | 150 | 30                              | 450 | 0.79             | 0.54   | 150            |
| OSD150-0125 | 32   | 1-1/4 | 42   | 1-21/32 | 10               | 150 | 30                              | 450 | 0.97             | 0.66   | 192            |
| OSD150-0150 | 38   | 1-1/2 | 51   | 1-31/32 | 10               | 150 | 30                              | 450 | 1.40             | 0.96   | 228            |
| OSD150-0175 | 45   | 1-3/4 | 57   | 2-15/64 | 10               | 150 | 30                              | 450 | 1.43             | 0.98   | 266            |
| OSD150-0200 | 51   | 2     | 62   | 2-13/32 | 10               | 150 | 30                              | 450 | 1.81             | 1.24   | 306            |
| OSD150-0250 | 63   | 2-1/2 | 77   | 3-1/32  | 10               | 150 | 30                              | 450 | 2.28             | 1.56   | 378            |
| OSD150-0300 | 76   | 3     | 92   | 3-5/8   | 10               | 150 | 30                              | 450 | 2.93             | 2.01   | 456            |
| OSD150-0350 | 90   | 3-1/2 | 104  | 4-3/32  | 10               | 150 | 30                              | 450 | 3.46             | 2.37   | 540            |
| OSD150-0400 | 102  | 4     | 120  | 4-47/64 | 10               | 150 | 30                              | 450 | 4.95             | 3.36   | 612            |
| OSD150-0500 | 127  | 5     | 147  | 5-51/64 | 10               | 150 | 30                              | 450 | 6.60             | 4.43   | 762            |
| OSD150-0600 | 152  | 6     | 172  | 6-25/32 | 10               | 150 | 30                              | 450 | 7.80             | 5.24   | 912            |
| OSD150-0800 | 203  | 8     | 227  | 8-15/16 | 10               | 150 | 30                              | 450 | 9.00             | 6.05   | 1650           |
| OSD150-1000 | 254  | 10    | 282  | 11-7/64 | 10               | 150 | 30                              | 450 | 20.03            | 13.46  | 2035           |
| OSD150-1200 | 305  | 12    | 341  | 13-7/16 | 10               | 150 | 30                              | 450 | 28.50            | 19.15  | 2600           |

# FLEXIBLE HOSE & FITTING



## OSD250 OIL SUCTION/DISCHARGE HOSE 250 PSI

Heavy duty suction and delivery hose, excellent for use as a tank truck or tank wagon hose; it withstands the full vacuum; its anti-static cover conforms fully to PTB specifications; used for a wide range of petroleum products up to 50% aromatic content

**TEMPERATURE RANGE :** -40°C (-40°F) to +100°C (+212°F)

**TUBE :** Black, smooth, nitrile rubber compounded

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

**COVER :** Black, smooth (wrapped finish) high grade chloroprene rubber, compounded for an excellent resistance to weather, ozone, abrasion and oil; antistatic

**COILS :** 61mt (200ft) continuous length; other length available on request

**BRANDING :** Orange transfer tape with negative text

'SUNFLEX OSD 250 OIL SUCTION/DELIVERY HOSE WPSI 250'

| Part No     | I.D. |       | O.D. |          | Working Pressure |     | Bursting Pressure (Theoretical) |     | Weight (Nominal) |        | Bending Radius |
|-------------|------|-------|------|----------|------------------|-----|---------------------------------|-----|------------------|--------|----------------|
|             | mm   | inch  | mm   | inch     | atm              | psi | atm                             | psi | kg/m             | lbs/ft | mm             |
| OSD250-0200 | 51   | 2     | 65   | 2-9/16   | 17               | 250 | 51                              | 750 | 1.81             | 1.24   | 330            |
| OSD250-0250 | 63   | 2-1/2 | 80   | 3-3/16   | 17               | 250 | 51                              | 750 | 2.78             | 1.87   | 400            |
| OSD250-0300 | 76   | 3     | 93   | 3-21/32  | 17               | 250 | 51                              | 750 | 2.93             | 2.01   | 500            |
| OSD250-0400 | 102  | 4     | 120  | 4-47/64  | 17               | 250 | 51                              | 750 | 4.95             | 3.36   | 730            |
| OSD250-0500 | 127  | 5     | 149  | 5-7/8    | 17               | 250 | 51                              | 750 | 6.60             | 4.43   | 1010           |
| OSD250-0600 | 152  | 6     | 174  | 6-55/64  | 17               | 250 | 51                              | 750 | 7.80             | 5.24   | 900            |
| OSD250-0800 | 203  | 8     | 227  | 8-15/16  | 17               | 250 | 51                              | 750 | 15.96            | 10.72  | 1625           |
| OSD250-1000 | 254  | 10    | 288  | 11-11/32 | 17               | 250 | 51                              | 750 | 22.28            | 14.97  | 2035           |
| OSD250-1200 | 305  | 12    | 343  | 13-1/2   | 17               | 250 | 51                              | 750 | 30.06            | 20.18  | 2600           |

## FLEXIBLE HOSE &amp; FITTING



**PPH250**  
**PETROL PUMP HOSE 250 PSI**

For fuel dispensing including 50% aromatic, regular and super grade petrol, unleaded petrol and diesel oil

**TEMPERATURE RANGE** : -35°C (-31°F) to +80°C (+176°F)

**TUBE** : Black, smooth bore, fuel and oil resistant, 50% aromatic, nitrile rubber

**REINFORCEMENT** : Synthetic textile braided

**CONDUCTIVITY** : Double metallic wires

**COVER** : Black, abrasion, ozone weather, heat and oil resistant, smooth nitrile rubber

**COILS** : Random length

**BRANDING** : Inkjet white

'SUNFLEX PPH 250 PETROL PUMP HOSE WPSI 250'

| Part No        | I.D. |      | O.D. |         | Working Pressure |     | Bursting Pressure (Theoretical) |     | Weight (Nominal) |        |
|----------------|------|------|------|---------|------------------|-----|---------------------------------|-----|------------------|--------|
|                | mm   | inch | mm   | inch    | atm              | psi | atm                             | psi | kg/m             | lbs/ft |
| PPH250-0063-BK | 16   | 5/8  | 24   | 15/16   | 16               | 250 | 78                              | 750 | 0.35             | 0.23   |
| PPH250-0075-BK | 19   | 3/4  | 29   | 1-9/64  | 16               | 250 | 78                              | 750 | 0.47             | 0.30   |
| PPH250-0100-BK | 25   | 1    | 36   | 1-22/64 | 16               | 250 | 78                              | 750 | 0.67             | 0.45   |

## FLEXIBLE HOSE &amp; FITTING



**PPH250**  
**PETROL PUMP HOSE 250 PSI**

For fuel dispensing including 50% aromatic, regular and super grade petrol, unleaded petrol and diesel oil

**TEMPERATURE RANGE :** -35°C (-31°F) to +80°C (+176°F)

**TUBE :** Black, smooth bore, fuel and oil resistant, 50% aromatic, nitrile rubber

**REINFORCEMENT :** Synthetic textile braided

**CONDUCTIVITY :** Double metallic wires

**COVER :** Red, abrasion, ozone weather, heat and oil resistant, smooth nitrile rubber

**COILS :** Random length

**BRANDING :** Inkjet black

'SUNFLEX PPH 250 PETROL PUMP HOSE WPSI 250'

| Part No        | I.D. |      | O.D. |         | Working Pressure |     | Bursting Pressure (Theoretical) |     | Weight (Nominal) |        |
|----------------|------|------|------|---------|------------------|-----|---------------------------------|-----|------------------|--------|
|                | mm   | inch | mm   | inch    | atm              | psi | atm                             | psi | kg/m             | lbs/ft |
| PPH250-0063-RD | 16   | 5/8  | 24   | 15/16   | 12               | 250 | 48                              | 750 | 0.39             | 0.26   |
| PPH250-0075-RD | 19   | 3/4  | 29   | 1-9/64  | 12               | 250 | 48                              | 750 | 0.51             | 0.33   |
| PPH250-0100-RD | 25   | 1    | 36   | 1-22/64 | 12               | 250 | 48                              | 750 | 0.74             | 0.49   |

# FLEXIBLE HOSE & FITTING



## ROTARY DRILLING HOSE

Rotary hose applications on workover rigs and slim hole or seismograph rigs designed to operate at a maximum of 3,000 psi rated working pressure. Applications on small or medium size drilling rigs used for water well operations, water well core drill, blast or shot hole operations. Hoses are flexible connectors in pressure lines used in conveying mud or air. For normal air or mud applications and where increased resistance to external abused or pump pulsations is required.

**TEMPERATURE RANGE :** -40°C (-40°F) to +120°C (+200°F)

**TUBE :** Type A (Neoprene). Black oil resistant synthetic rubber

**REINFORCEMENT :** Four alternating layers of spiraled, high tensile steel wire over a layer of fabric

**COVER :** Type A (Neoprene). Black, oil resistant synthetic rubber

**COILS :** 30.5mt (100ft) continuous length; other length available on request

**WORKING PRESSURE :** 3000 PSI

**AVAILABLE SIZE :** 2" (ID)

**BRANDING :** Orange transfer tape with negative text

**'SUNFLEX ROTARY HOSE SIZE 2" WP 3000 PSI BP 10,000 PSI FLAME RESISTANT'**

### Recommended Couplings

SUNFLEX Permanent Swaged - NPT thread on connecting end of stem for easy flange attachment. Strong collar to anchor ferrule to stem. Electroplated steel. Also available in stainless steel, brass and other special metals.



# FLEXIBLE HOSE & FITTING



## XLPE150

### CHEMICAL SUCTION/DISCHARGE HOSE 150 PSI

Mandrel built rubber hose which, thanks to its specially compounded cross-linked polyethylene tube, handles a wide range of chemicals, petroleum products (including aromatics) and oils

**TEMPERATURE RANGE :** -40°C (-40°F) to +70°C (+158°F)

**TUBE :** Translucent, smooth, cross-linked polyethylene

**REINFORCEMENT :** High strength synthetic cord plus helix wire; anti-static copper wires embedded on the hose body

**COVER :** Green, smooth(wrapped finish) epdm rubber, specially compounded for higher resistance to weather, ozone and abrasion

**COILS :** 61mt (200ft) continuous length; other length available on request

**BRANDING :** Yellow transfer tape with negative text

'SUNFLEX XLPE 150 MULTI-PURPOSE CHEMICAL HOSE WPSI 150'

| Part No      | I.D. |       | O.D. |         | Working Pressure |     | Bursting Pressure (Theoretical) |     | Weight (Nominal) |        |
|--------------|------|-------|------|---------|------------------|-----|---------------------------------|-----|------------------|--------|
|              | mm   | inch  | mm   | inch    | atm              | psi | atm                             | psi | kg/m             | lbs/ft |
| XLPE150-0100 | 25   | 1     | 41   | 1-39/64 | 10               | 150 | 40                              | 600 | 1.05             | 0.68   |
| XLPE150-0125 | 32   | 1-1/4 | 48   | 1-57/64 | 10               | 150 | 40                              | 600 | 1.35             | 0.91   |
| XLPE150-0150 | 38   | 1-1/2 | 54   | 2-1/8   | 10               | 150 | 40                              | 600 | 1.56             | 1.04   |
| XLPE150-0200 | 51   | 2     | 67   | 2-41/64 | 10               | 150 | 40                              | 600 | 2.08             | 1.40   |
| XLPE150-0250 | 63   | 2-1/2 | 81   | 3-3/16  | 10               | 150 | 40                              | 600 | 2.52             | 1.78   |
| XLPE150-0300 | 76   | 3     | 95   | 3-13/16 | 10               | 150 | 40                              | 600 | 3.61             | 2.39   |
| XLPE150-0400 | 102  | 4     | 120  | 4-23/32 | 10               | 150 | 40                              | 600 | 4.98             | 3.26   |

# FLEXIBLE HOSE & FITTING



## TCH350 TANK CLEANING HOSE 350 PSI

High pressure mandrel built hose used in cleaning tankers, barges and other petroleum and chemical storage facilities.

**TEMPERATURE RANGE :** -30°C (-22°F) to +100°C (+212°F)

**TUBE :** Black, smooth, synthetic rubber, resistant to detergents

**REINFORCEMENT :** High strength synthetic cord

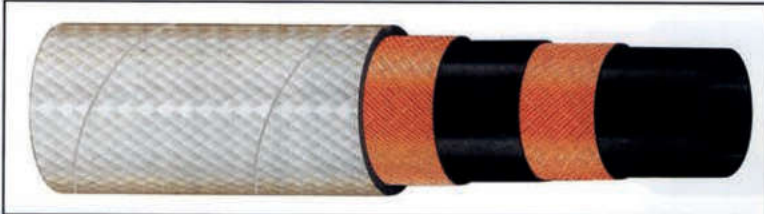
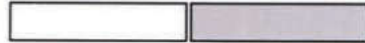
**COVER :** Black, smooth (wrapped finish) weather, abrasion, sea water and oil resistant cover; it is complete with marking rings indicating the footage every 5 feet; the discharge of static electricity is secured through two stainless steel wires built into the body of the hose and protruding from each end.

**COILS :** 61mt (200ft) continuous length; other length available on request

**BRANDING :** Yellow transfer tape with negative text  
'SUNFLEX TCH 350 TANK CLEANING HOSE WPSI 350'

| Part No     | I.D. |       | O.D. |         | Working Pressure |     | Bursting Pressure (Theoretical) |      | Weight (Nominal) |        |
|-------------|------|-------|------|---------|------------------|-----|---------------------------------|------|------------------|--------|
|             | mm   | inch  | mm   | inch    | atm              | psi | atm                             | psi  | kg/m             | lbs/ft |
| TCH350-0150 | 38   | 1-1/2 | 54   | 2-1/8   | 20               | 350 | 65                              | 1050 | 1.39             | 0.93   |
| TCH350-0200 | 51   | 2     | 68   | 2-11/16 | 20               | 350 | 60                              | 1050 | 1.95             | 1.31   |

# FLEXIBLE HOSE & FITTING



## FND150 FURNACE DOOR COOLANT HOSE 150 PSI

Mandrel built rubber hose for furnace door coolant, specially designed for service in steel mills, glass-works and all operations where a hose resistant to heat radiation, open flame and splashes of white-hot metals is required.

**TEMPERATURE RANGE :** -40°C (-40°F) to +100°C (+212°F)

\* Tube from -40°C (-40°F) to +130°C (+266°F)

\* Cover withstands up to 375°C (+650°F)

**TUBE :** Black, smooth, synthetic rubber compound

**REINFORCEMENT :** High strength synthetic cord

**COVER :** Fiber glass ply impregnate with heat resistant synthetic rubber

**COILS :** 40mt (132ft) continuous length; other length available on request

| Part No     | I.D. |       | O.D. |         | Working Pressure |     | Bursting Pressure (Theoretical) |     | Weight (Nominal) |        |
|-------------|------|-------|------|---------|------------------|-----|---------------------------------|-----|------------------|--------|
|             | mm   | inch  | mm   | inch    | atm              | psi | atm                             | psi | kg/m             | lbs/ft |
| FND150-0050 | 13   | 1/2   | 23   | 29/32   | 10               | 150 | 30                              | 450 | 0.31             | 0.20   |
| FND150-0075 | 19   | 3/4   | 31   | 1-7/32  | 10               | 150 | 30                              | 450 | 0.56             | 0.38   |
| FND150-0100 | 25   | 1     | 39   | 1-9/16  | 10               | 150 | 30                              | 450 | 0.84             | 0.52   |
| FND150-0125 | 32   | 1-1/4 | 48   | 1-57/64 | 10               | 150 | 30                              | 450 | 1.20             | 0.81   |
| FND150-0150 | 38   | 1-1/2 | 58   | 2-1/4   | 10               | 150 | 30                              | 450 | 1.78             | 1.21   |
| FND150-0200 | 51   | 2     | 71   | 2-13/16 | 10               | 150 | 30                              | 450 | 2.30             | 1.56   |
| FND150-0300 | 76   | 3     | 96   | 3-25/32 | 10               | 150 | 30                              | 450 | 3.14             | 2.12   |
| FND150-0400 | 102  | 4     | 124  | 4-7/8   | 10               | 150 | 30                              | 450 | 4.63             | 3.15   |

# FLEXIBLE HOSE & FITTING



## FND150 - EPDM

### FURNACE COOLANT HOSE 150 PSI - EPDM COVER

Mandrel built lightweight air hose suitable for a variety of general purpose in industries, construction sites and mines

#### TEMPERATURE RANGE : -

\*Tube/Cover : -30°C to +100°C

\* Glass Cord : +400°C

TUBE : Beige EPDM rubber with insulating properties

REINFORCEMENT : Synthetic textile fabrics and glass cords

COVER : Black EPDM rubber, weather and ozone resistant

COILS : 40mt (132ft) continuous length; other length available on request

BRANDING : White transfer tape with negative text

'SUNFLEX FND 150 COOLANT HOSE WPSI 150'

| Part No          | I.D. |        | O.D. |         | Working Pressure |     | Bursting Pressure (Theoretical) |     | Weight (Nominal) |        | Bending Radius |
|------------------|------|--------|------|---------|------------------|-----|---------------------------------|-----|------------------|--------|----------------|
|                  | mm   | inch   | mm   | inch    | atm              | psi | atm                             | psi | kg/m             | lbs/ft | mm             |
| FND150-0050-EPDM | 13   | 1/2    | 23   | 29/32   | 10               | 150 | 30                              | 450 | 0.410            | 0.26   | 130            |
| FND150-0075-EPDM | 19   | 3/4    | 31   | 1-7/32  | 10               | 150 | 30                              | 450 | 0.715            | 0.48   | 190            |
| FND150-0100-EPDM | 25   | 1      | 39   | 1-6/16  | 10               | 150 | 30                              | 450 | 0.841            | 0.57   | 250            |
| FND150-0125-EPDM | 32   | 1-1/4  | 48   | 1-57/64 | 10               | 150 | 30                              | 450 | 1.051            | 0.71   | 320            |
| FND150-0150-EPDM | 38   | 1-1/2  | 54   | 21/4    | 10               | 150 | 30                              | 450 | 1.513            | 1.02   | 380            |
| FND150-0156-EPDM | 40   | 1-9/16 | 56   | 21/4    | 10               | 150 | 30                              | 450 | 1.597            | 1.07   | 400            |
| FND150-0175-EPDM | 45   | 1-3/4  | 60   | 21/4    | 10               | 150 | 30                              | 450 | 1.670            | 1.12   | 450            |
| FND150-0200-EPDM | 51   | 2      | 67   | 2-13/16 | 10               | 150 | 30                              | 450 | 1.690            | 1.14   | 510            |
| FND150-0250-EPDM | 64   | 2-1/2  | 80   | 3-1/4   | 10               | 150 | 30                              | 450 | 2.406            | 1.62   | 635            |
| FND150-0300-EPDM | 76   | 3      | 96   | 3-25/32 | 10               | 150 | 30                              | 450 | 3.440            | 2.31   | 760            |
| FND150-0350-EPDM | 90   | 3-1/2  | 110  | 4-15/32 | 10               | 150 | 30                              | 450 | 4.065            | 2.73   | 900            |
| FND150-0400-EPDM | 102  | 4      | 124  | 4-7/8   | 10               | 150 | 30                              | 450 | 5.120            | 3.44   | 1016           |

## FLEXIBLE HOSE &amp; FITTING



**MEH152**  
**MARINE EXHAUST HOSE 75 PSI**

**APPLICATION :** Marine Exhaust Hose

**TEMPERATURE RANGE :** Suitable for use in the range -35°C to +100°C

**TUBE :** Black, heat and oil resistant nitrile rubber

**REINFORCEMENT :** Synthetic textile fabrics. Spiral embedded steel wire. Diameter of the spiral wire Ø 3.0mm

**COVER :** Black. Corrugated neopren rubber

**CUFF :** Smooth cuff is 140mm length on both ends

**WORKING PRESSURE :** 5 BARS

**BURSTING PRESSURE :** 15 BARS

**COILS :** Available in 2600-3000mm lengths

**BRANDING :** Black cover with embossed tape

(1) Sunflex Marine Exhaust Hose 152MM x 196MM X 2600MM WPSI 75 MAX. TEMP 250°F/121°C

(2) Sunflex Marine Exhaust Hose 152MM x 196MM X 3000MM WPSI 75 MAX. TEMP 250°F/121°C

| Part No               | Diameters and Tolerances (MM) |           |                 |       | Weight<br>(kg/mtr) | Bending<br>Radius<br>mm | Length<br>mm |
|-----------------------|-------------------------------|-----------|-----------------|-------|--------------------|-------------------------|--------------|
|                       | Hose I.D.                     | Hose O.D. | O.D. Of<br>Cuff | Tol   |                    |                         |              |
| MEH152X196X2600X140MM | 152                           | 173       | 196             | ± 2,0 | 9.070              | 990                     | 2600         |
| MEH152X196X3000X140MM | 152                           | 173       | 196             | ± 2,0 | 9.070              | 990                     | 3000         |

# FLEXIBLE HOSE & FITTING



## MEH222 MARINE EXHAUST HOSE 75 PSI

**APPLICATION :** Marine Exhaust Hose

**TEMPERATURE RANGE :** Suitable for use in the range -35°C to +100°C

**TUBE :** Black, heat and oil resistant nitrile rubber

**REINFORCEMENT :** Synthetic textile fabrics. Spiral embedded steel wire. Diameter of the spiral wire Ø 3.0mm

**COVER :** Black. Corrugated neopren rubber

**CUFF :** Smooth cuff is 180mm length on both ends

**WORKING PRESSURE :** 5 BARS

**BURSTING PRESSURE :** 15 BARS

**COILS :** Available in 1950-2080mm lengths

**BRANDING :** Black cover with embossed tape

(1) Sunflex Marine Exhaust Hose 222MM x 247MM X 1950MM WPSI 75 MAX. TEMP 250°F/121°C

(2) Sunflex Marine Exhaust Hose 222MM x 247MM X 2080MM WPSI 75 MAX. TEMP 250°F/121°C

| Part No               | Diameters and Tolerances (mm) |                           |           |              |       | Weight   | Bending Radius | Length |
|-----------------------|-------------------------------|---------------------------|-----------|--------------|-------|----------|----------------|--------|
|                       | Hose I.D.                     | Enlarged I.D. In The Cuff | Hose O.D. | O.D. Of Cuff | Tol   | (kg/mtr) | mm             | mm     |
| MEH222X247X1950X180MM | 219                           | 222                       | 244       | 247          | ± 2,5 | 14.700   | 1530           | 1950   |
| MEH222X247X2080X180MM | 219                           | 222                       | 244       | 247          | ± 2,5 | 14.700   | 1530           | 2080   |

# FLEXIBLE HOSE & FITTING



## RH150 RADIATOR/HOT WATER HOSE 150 PSI

Mandrel built rubber hot water hose suitable for many applications in industry, cleaning equipment and cooling systems.

**TEMPERATURE RANGE :** -40°C (-40°F) to +120°C (+248°F)

**TUBE :** Black, smooth, heat resistant rubber compound

**REINFORCEMENT :** High strength synthetic cord

**COVER :** Black, smooth, (wrapped finish) rubber compound resistant to heat, weather and abrasion

**COILS :** 3ft per length

**BRANDING :** Green longitudinal transfer tape with negative text  
'SUNFLEX RH150 RADIATOR/HOT WATER HOSE WPSI 150/120°C'

| Size    | Part No    | ID/OD (mm) | Size    | Part No    | ID/OD (mm) | Size   | Part No    | ID/OD (mm) |
|---------|------------|------------|---------|------------|------------|--------|------------|------------|
| 1/2"    | RH150-0050 | 13X23      | 1 7/8"  | RH150-0188 | 48X60      | 3 3/8" | RH150-0338 | 85X99      |
| 5/8"    | RH150-0063 | 16X26      | 2"      | RH150-0200 | 51X64      | 3 1/2" | RH150-0350 | 90X104     |
| 3/4"    | RH150-0075 | 19X30      | 2 1/8"  | RH150-0213 | 55X68      | 3 3/4" | RH150-0375 | 95X109     |
| 7/8"    | RH150-0088 | 22X33      | 2 1/4"  | RH150-0225 | 57X70      | 4"     | RH150-0400 | 102X116    |
| 1"      | RH150-0100 | 25X36      | 2 3/8"  | RH150-0238 | 60X73      | 4 1/2" | RH150-0450 | 114X128    |
| 1 1/8"  | RH150-0113 | 28X39      | 2 1/2"  | RH150-0250 | 63X77      | 5"     | RH150-0500 | 127X141    |
| 1 3/16" | RH150-0119 | 30X41      | 2 9/16" | RH150-0256 | 65X78      | 5 1/2" | RH150-0550 | 140X154    |
| 1 1/4"  | RH150-0125 | 32X43      | 2 5/8"  | RH150-0263 | 68X81      | 6"     | RH150-0600 | 152X166    |
| 1 3/8"  | RH150-0138 | 35X46      | 2 3/4"  | RH150-0275 | 70X84      | 6 5/8" | RH150-0663 | 168X182    |
| 1 1/2"  | RH150-0150 | 38X49      | 2 7/8"  | RH150-0288 | 73X87      | 7"     | RH150-0700 | 178X194    |
| 1 9/16" | RH150-0156 | 40X51      | 3"      | RH150-0300 | 76X89      | 8"     | RH150-0800 | 203X220    |
| 1 5/8"  | RH150-0163 | 42X53      | 3 1/8"  | RH150-0313 | 80X94      | 8 5/8" | RH150-0863 | 220X235    |
| 1 3/4"  | RH150-0175 | 45X56      | 3 1/4"  | RH150-0325 | 82X96      |        |            |            |

# FLEXIBLE HOSE & FITTING



## SH250 STEAM HOSE 250 PSI

Mandrel built high pressure wire reinforced steam hose designed for service with superheated steam in heat control, fire prevention etc. in many industries at max pressure of 17 atm (250 psi).

**TEMPERATURE RANGE :** -40°C (-40°F) to +236°C (+456°F)

**TUBE :** Black, smooth, epdm rubber specially compounded to withstand super heated steam

**REINFORCEMENT :** Plies of steel wire cord

**COVER :** Red, smooth (wrapped finish) epdm rubber with excellent resistance to high temperature, weathering, abrasion and ageing; it is pin-pricked to prevent separation

**COILS :** 61mt (200ft) continuous length; other length available on request

**BRANDING :** Red cover with embossed tape

'SUNFLEX SH 250 STEAM HOSE WPSI 250 236°C B5 5342 TYPE 2'

| Part No    | I.D. |       | O.D. |         | Working Pressure |     | Bursting Pressure (Theoretical) |      | Weight (Nominal) |        |
|------------|------|-------|------|---------|------------------|-----|---------------------------------|------|------------------|--------|
|            | mm   | inch  | mm   | inch    | atm              | psi | atm                             | psi  | kg/m             | lbs/ft |
| SH250-0050 | 13   | 1/2   | 25   | 1       | 17               | 250 | 170                             | 2500 | 0.53             | 0.36   |
| SH250-0075 | 19   | 3/4   | 32   | 1-7/32  | 17               | 250 | 170                             | 2500 | 0.68             | 0.46   |
| SH250-0100 | 25   | 1     | 39   | 1-29/64 | 17               | 250 | 170                             | 2500 | 0.90             | 0.62   |
| SH250-0125 | 32   | 1-1/4 | 46   | 1-13/16 | 17               | 250 | 170                             | 2500 | 1.30             | 0.87   |
| SH250-0150 | 38   | 1-1/2 | 54   | 2-1/8   | 17               | 250 | 170                             | 2500 | 1.60             | 1.10   |
| SH250-0200 | 51   | 2     | 67   | 2-41/64 | 17               | 250 | 170                             | 2500 | 2.20             | 1.51   |
| SH250-0250 | 63   | 2-1/2 | 83   | 3-5/16  | 17               | 250 | 170                             | 2500 | 3.80             | 2.61   |
| SH250-0300 | 76   | 3     | 95   | 3-13/16 | 17               | 250 | 170                             | 2500 | 4.66             | 3.20   |
| SH250-0400 | 102  | 4     | 124  | 4-7/8   | 17               | 250 | 170                             | 2500 | 6.50             | 4.46   |

## FLEXIBLE HOSE &amp; FITTING



## CHEMICAL RESISTANCE CHART

| IMPIEGO                 | APPLICATION           | CONC. | T.MAX<br>MAX °C | EPR | EPDM | CSM | CR | FKM | NR | NBR | PE-X |
|-------------------------|-----------------------|-------|-----------------|-----|------|-----|----|-----|----|-----|------|
| ACETAMMIDE              | ACETAMIDE             | 0     | 25              | A   | *    | C   | B  | A   | N  | *   | *    |
| ACETATO DI CELLOSOLVE   | CELLOSOLVE ACETATE    | -     | 25              | B   | A    | N   | B  | *   | N  | *   | B    |
| ACETATO DI ETILE        | ETHYL ACETATE         | 0     | 25              | B   | B    | N   | N  | N   | N  | *   | *    |
| ACETILACETONE           | ACETYL-ACETONE        | 0     | 25              | B   | A    | *   | *  | N   | C  | *   | *    |
| ACETILENE               | ACETYLENE             | 0     | 25              | A   | A    | N   | A  | A   | N  | *   | B    |
| ACETOFENONE             | ACETHOPHENONE         | 0     | 25              | A   | B    | N   | N  | N   | N  | *   | B    |
| ACETONE                 | ACETONE               | 0     | 25              | A   | A    | C   | C  | N   | C  | *   | B    |
| ACIDO ACETICO           | ACETIC ACID           | 0     | 70              | A   | A    | *   | B  | *   | B  | *   | *    |
| ACIDO ACETICO           | ACETIC ACID           | 10    | 70              | A   | A    | C   | B  | *   | B  | *   | *    |
| ACIDO ACETICO GLACIALE  | GLACIAL ACETIC ACID   | 0     | 25              | B   | A    | N   | C  | N   | N  | *   | B    |
| ACIDO ACETICO VAPORI    | ACETIC ACID VAPORS    | 0     | 2               | A   | A    | C   | N  | *   | N  | *   | N    |
| ACIDO BENZOICO          | BENZOIC ACID          | 0     | 25              | B   | B    | B   | N  | N   | N  | *   | *    |
| ACIDO BORICO            | BORIC ACID            | 5     | 90              | A   | A    | A   | A  | A   | A  | *   | B    |
| ACIDO BUTIRRICO         | BUTYRIC ACID          | 0     | 25              | C   | B    | *   | C  | N   | B  | *   | B    |
| ACIDO CITRICO           | CITRIC ACID           | 30    | 70              | A   | A    | B   | A  | A   | A  | *   | B    |
| ACIDO CLORIDRICO        | HYDROCHLORIC ACID     | 37    | 25              | A   | B    | *   | C  | A   | C  | *   | B    |
| ACIDO CLORIDRICO        | HYDROCHLORIC ACID     | 37    | 70              | C   | B    | *   | C  | A   | C  | *   | B    |
| ACIDO CLOROACETICO      | CHLOROACETIC ACID     | 25    | 25              | C   | C    | B   | C  | N   | N  | *   | B    |
| ACIDO CLOROSOLFONICO    | CHLOROSULPHONIC ACID  | 0     | 25              | N   | N    | C   | C  | N   | N  | *   | B    |
| ACIDO CROMICO           | CHROMIC ACID          | 30    | 40              | C   | C    | C   | N  | C   | B  | *   | N    |
| ACIDO FENOLSOLFONICO    | PHENOLSULPHONIC ACID  | 10    | 25              | *   | *    | N   | *  | N   | N  | *   | *    |
| ACIDO FLUOBORICO        | FLUOBORIC ACID        | 40    | 70              | B   | B    | B   | B  | *   | B  | *   | *    |
| ACIDO FLUORIDRICO       | HYDROFLUORIC ACID     | 30    | 25              | B   | B    | B   | N  | N   | B  | *   | B    |
| ACIDO FLUOSILICICO      | FLUOSILICIC ACID      | 0     | 70              | A   | A    | B   | C  | *   | B  | *   | B    |
| ACIDO FLUOSILICICO      | FLUOSILICIC ACID      | 50    |                 | *   | *    | *   | *  | *   | B  | *   | B    |
| ACIDO FORMICO           | FORMIC ACID           | 99    | 60              | B   | B    | B   | B  | N   | B  | *   | B    |
| ACIDO FOSFORICO         | PHOSPHORIC ACID       | 10    | 70              | A   | A    | A   | A  | B   | B  | *   | B    |
| ACIDO FOSFORICO         | PHOSPHORIC ACID       | 85    | 40              | A   | A    | A   | A  | B   | B  | *   | B    |
| ACIDO LATTICO           | LACTIC ACID           | 0     | 25              | B   | B    | A   | C  | A   | B  | *   | B    |
| ACIDO NITRICO           | NITRIC ACID           | 10    | 80              | C   | C    | B   | N  | N   | C  | *   | B    |
| ACIDO NITRICO           | NITRIC ACID           | 20    | 65              | C   | C    | B   | N  | *   | N  | *   | *    |
| ACIDO NITRICO           | NITRIC ACID           | 30    | 50              | N   | N    | B   | N  | *   | N  | *   | *    |
| ACIDO NITRICO           | NITRIC ACID           | 80    | 25              | N   | N    | N   | N  | *   | N  | *   | *    |
| ACIDO OSSALICO          | OXALIC ACID           | 10    | 25              | A   | A    | N   | A  | *   | B  | *   | B    |
| ACIDO PERCLORICO        | PERCHLORIC ACID       | 10    | 25              | *   | *    | B   | N  | B   | C  | *   | B    |
| ACIDO SOLFORICO         | SULPHURIC ACID        | 25    | 70              | A   | A    | B   | A  | B   | N  | *   | B    |
| ACIDO SOLFORICO         | SULPHURIC ACID        | 25-50 | 40              | A   | A    | B   | B  | B   | C  | *   | B    |
| ACIDO SOLFORICO         | SULPHURIC ACID        | 50-96 | 25              | B   | B    | C   | N  | B   | C  | *   | B    |
| ACIDO SOLFORICO FUMANTE | SULPHURIC FUMING ACID | -     | 25              | N   | N    | N   | N  | B   | N  | *   | N    |
| ACIDO TANNICO           | TANNIC ACID           | 10    | 70              | A   | A    | A   | B  | *   | B  | *   | B    |

LEGENDA: A-OTTIMA RESISTENZA B-BUONA RESISTENZA C-DEBOLE RESISTENZA N-NON RACCOMANDATO \*NON TESTATO  
 LEGENDA: A-EXCELLENT RESISTANCE B-GOOD RESISTANCE C-FAIR RESISTANCE N-NOT RECOMMENDED \*NOT TESTED

## FLEXIBLE HOSE &amp; FITTING

## CHEMICAL RESISTANCE CHART



| IMPIEGO               | APPLICATION             | CONC. T.MAX<br>MAX °C | EPR | EPDM | CSM | CR | FKM | NR | NBR | PE-X |
|-----------------------|-------------------------|-----------------------|-----|------|-----|----|-----|----|-----|------|
| ACIDO TARTARICO       | TARTARIC ACID           | 20 70                 | B   | B    | A   | B  | *   | A  | *   | B    |
| ACQUA                 | WATER                   |                       | A   | A    | *   | *  | *   | A  | *   | B    |
| ACQUA DI CLORO        | CHLORINE WATER          | 3 25                  | A   | A    | A   | N  | A   | N  | *   | B    |
| ACQUA DI MARE         | SEA WATER               | - 25                  | A   | A    | A   | A  | A   | A  | *   | B    |
| ACQUA OSSIGENATA      | HYDROGEN PEROXIDE       | 10 25                 | A   | A    | C   | N  | A   | N  | *   | B    |
| ACQUA OSSIGENATA      | HYDROGEN PEROXIDE       | >10 25                | A   | A    | N   | N  | A   | C  | *   | B    |
| ACQUA RAGIA SINTETICA | TURPENTINE              | - 25                  | *   | *    | N   | B  | A   | B  | *   | N    |
| ALCOOL ALLILICO       | ALLYL ALCOHOL           | - 25                  | A   | A    | *   | *  | *   | *  | *   | B    |
| ALCOOL AMILICO        | AMYL ALCOHOL            | - 25                  | A   | A    | A   | A  | A   | N  | *   | B    |
| ALCOOL BENZILICO      | BENZYL ALCOHOL          | - 25                  | N   | N    | B   | B  | A   | N  | *   | *    |
| ALCOOL BUTILICO       | BUTYL ALCOHOL           | - 25                  | A   | A    | A   | A  | A   | N  | *   | B    |
| ALCOOL ETILICO        | ETHYL ALCOHOL           | - 25                  | A   | A    | A   | A  | B   | N  | *   | B    |
| ALCOOL METILICO       | METHYL ALCOHOL          | - 25                  | A   | A    | A   | A  | N   | N  | *   | *    |
| ALCOOL PROPILICO      | PROPYL ALCOHOL          | - 25                  | A   | A    | A   | A  | C   | N  | *   | B    |
| ALDEIDE ACETICA       | ACETALDEHYDE            | - 25                  | B   | B    | *   | C  | N   | N  | *   | B    |
| ALDEIDE BENZOICA      | BENZALDEHYDE            | - 25                  | B   | B    | N   | *  | N   | N  | *   | B    |
| ALDEIDE BUTIRRICA     | BUTYRALDEHYDE           | - 25                  | B   | B    | N   | C  | N   | N  | *   | B    |
| ALDEIDE FORMICA       | FORMALDEHYDE            | 30 25                 | B   | B    | A   | B  | A   | N  | *   | *    |
| AMMONIACA ANIDRA      | ANHYDROUS AMMONIA       | - 25                  | A   | A    | B   | A  | *   | A  | *   | B    |
| AMMONIACA GAS         | AMMONIA GAS             | - 65                  | B   | B    | B   | B  | N   | A  | *   | *    |
| AMMONIACA LIQUIDA     | LIQUID AMMONIA          | - 65                  | A   | A    | B   | A  | C   | B  | *   | *    |
| ANIDRIDE ACETICA      | ACETIC ANHYDRIDE        | - 25                  | B   | B    | B   | B  | N   | C  | *   | *    |
| ASFALTO               | ASPHALT                 |                       | *   | *    | *   | *  | *   | *  | B   | N    |
| ASFALTO               | ASPHALT                 | <65                   | *   | *    | *   | *  | *   | *  | B   | N    |
| BENZOLO               | BENZENE                 | - 25                  | N   | N    | B   | N  | A   | A  | C   | B    |
| BICROMATO DI POTASSIO | POTASSIUM BICHROMATE    | 20 70                 | A   | A    | C   | C  | A   | A  | *   | N    |
| BITUME                | ASPHALT                 | - 80                  | N   | N    | N   | B  | A   | N  | B   | N    |
| BITUME                | ASPHALT                 | - 135                 | N   | N    | N   | *  | B   | N  | B   | N    |
| BROMO                 | BROMINE                 | - 25                  | B   | B    | N   | N  | B   | N  | *   | N    |
| BUTANO                | BUTANE                  | - 25                  | N   | N    | A   | A  | A   | N  | A   | B    |
| BUTILACETATE          | BUTYL ACETATE           | 0 25                  | B   | B    | N   | N  | N   | N  | *   | B    |
| BUTILAMMIDE           | BUTYLAMINE (ALL ISOMER) | - 25                  | B   | B    | *   | *  | *   | N  | *   | *    |
| BUTILCELLOSOLVE       | BUTYL CELLOSOLVE        | - 25                  | A   | A    | N   | B  | N   | N  | *   | N    |
| BUTILETERE            | N-BUTYL ETHER           | - 25                  | A   | A    | *   | *  | *   | C  | *   | B    |
| CARBONATO DI BARIO    | BARIUM CARBONATE        | - 25                  | A   | A    | *   | *  | *   | A  | *   | B    |
| CICLOESANO            | CYCLOHEXANE             | - 25                  | N   | N    | N   | B  | C   | C  | A   | B    |
| CICLOESANOLO          | CYCLOHEXANOL            | - 25                  | B   | B    | N   | B  | B   | B  | *   | B    |
| CICLOESANONE          | CYCLOHEXANONE           | - 25                  | B   | B    | N   | N  | *   | C  | *   | B    |
| CLORO SECCO           | CHLORINE DRY            | - 25                  | A   | A    | N   | B  | B   | B  | *   | N    |
| CLOROBENZENE          | CHLOROBENZENE           | - 25                  | N   | N    | N   | N  | A   | N  | *   | B    |

LEGENDA: A-OTTIMA RESISTENZA B-BUONA RESISTENZA C-DEBOLE RESISTENZA N-NON RACCOMANDATO \* NON TESTATO  
 LEGENDA: A-EXCELLENT RESISTANCE B-GOOD RESISTANCE C=FAIR RESISTANCE N-NOT RECOMMENDED \* NOT TESTED

## FLEXIBLE HOSE &amp; FITTING



## CHEMICAL RESISTANCE CHART

| IMPIEGO                | APPLICATION            | CONC. | T.MAX<br>MAX °C | EPR | EPDM | CSM | CR | FKM | NR | NBR | PE-X |
|------------------------|------------------------|-------|-----------------|-----|------|-----|----|-----|----|-----|------|
| CLOROFENOLO            | CHLOROPHENOL           | -     | 25              | C   | C    | N   | *  | B   | N  | *   | *    |
| CLOROFORMIO            | CHLOROFORM             | -     | 25              | N   | N    | N   | N  | B   | N  | *   | B    |
| CLORONITROBENZENE      | O-CHLORONITROBENZENE   | -     | 25              | *   | *    | *   | *  | B   | X  | *   | *    |
| CLOROTOLUENE           | CHLOROTOLUENE          | -     | 25              | N   | N    | N   | N  | B   | N  | *   | *    |
| CLORURO DI ALLUMINIO   | ALLUMINIUM CHLORIDE    | -     | 25              | A   | A    | *   | *  | *   | A  | *   | B    |
| CLORURO DI BARIO       | BARIUM CHLORIDE        | -     | 25              | A   | A    | *   | *  | *   | A  | *   | B    |
| CLORURO DI BENZENE     | BENZIL CHLORIDE        | -     | 25              | *   | *    | *   | *  | A   | *  | *   | *    |
| CLORURO DI ETILE       | ETHYL CHLORIDE         | -     | 25              | N   | N    | N   | C  | B   | N  | *   | B    |
| CLORURO DI ETILENE     | ETHYLENE CHLORIDE      | -     | 25              | N   | N    | N   | N  | B   | N  | *   | B    |
| CLORURO DI MAGNESIO    | MAGNESIUM CHLORIDE     | 30    | 25              | A   | A    | *   | *  | *   | A  | *   | B    |
| CLORURO DI RAME        | COPPER CHLORIDE        | -     | 25              | A   | A    | *   | *  | *   | A  | *   | B    |
| CLORURO DI STAGNO      | TIN CHLORIDE           | 60    | 70              | A   | A    | A   | A  | A   | A  | *   | B    |
| DICLOROETANO           | DICHLORO ETHANE        | -     | 25              | *   | *    | N   | *  | A   | N  | *   | B    |
| DICLOROPROPANO         | DICHLORO PROPANE       | -     | 25              | A   | A    | N   | *  | A   | N  | *   | *    |
| DIETILAMMINA           | DIETHYLAMINE           | -     | 25              | C   | C    | C   | A  | N   | N  | *   | B    |
| DIETILENGLICOLE        | DIETHYLENEGLYCOL       | -     | 70              | A   | A    | A   | A  | A   | B  | *   | B    |
| DILUENTE VERNICI NITRO | NITRE VARNISH THINNERS | -     | 0               | N   | N    | N   | N  | N   | N  | A   | *    |
| DIMETILFORMAMMIDE      | DIMETHIL FORMAMIDE     | -     | 25              | B   | B    | *   | B  | N   | N  | *   | *    |
| DIOSANO                | DIOXANE                | -     | 25              | B   | B    | N   | N  | N   | N  | *   | *    |
| ESANO                  | N-EXANE                | -     | 25              | N   | N    | B   | B  | A   | A  | *   | B    |
| ETERE DI PETROLIO      | PETROLEUM ETHER        | -     | 25              | N   | N    | N   | *  | A   | N  | B   | *    |
| ETERE ETILICO          | ETHYLETHER             | -     | 25              | C   | A    | N   | N  | N   | N  | *   | *    |
| ETILAMMINA             | ETHYLAMINE             | -     | 25              | B   | C    | C   | *  | *   | N  | *   | B    |
| FENOLO                 | PHENOL                 | -     | 50              | A   | A    | N   | N  | B   | N  | *   | *    |
| FREON 11               | FREON 11               |       |                 | *   | *    | *   | B  | *   | *  | A   | B    |
| FREON 112              | FREON 112              |       |                 | *   | *    | *   | B  | *   | *  | A   | B    |
| FREON 113              | FREON 113              |       |                 | *   | *    | *   | B  | *   | *  | A   | B    |
| FREON 114              | FREON 114              | -     | 25              | *   | B    | *   | A  | *   | N  | A   | B    |
| FREON 12               | FREON 12               | -     | 25              | N   | N    | N   | A  | B   | N  | B   | B    |
| FREON 13               | FREON 13               | -     | 25              | *   | *    | *   | A  | *   | N  | B   | B    |
| FREON 21               | FREON 21               | -     |                 | *   | *    | *   | *  | *   | A  | *   | B    |
| FREON 22               | FREON 22               | -     | 25              | C   | N    | N   | *  | N   | N  | *   | B    |
| FTALATO DI ETILE       | ETHYLPHTHALATE         | -     | 25              | B   | B    | N   | *  | C   | A  | *   | B    |
| GLICERINA              | GLYCERINE              | -     | 25              | A   | A    | A   | A  | A   | A  | *   | B    |
| GLICOLE                | GLYCOL                 | -     |                 | *   | A    | *   | A  | *   | A  | *   | B    |
| GLICOLE ETILENICO      | ETHYLENE GLYCOL        | -     | 70              | A   | A    | A   | A  | A   | A  | *   | B    |
| IDRATO DI AMMONIO      | AMMONIUM HYDROXIDE     | -     | 70              | A   | A    | A   | A  | C   | A  | *   | *    |
| IDRATO DI CALCIO       | CALCIUM HYDROXIDE      | -     | 25              | A   | A    | A   | A  | C   | A  | *   | *    |
| IDRATO DI POTASSIO     | POTASSIUM HYDROXIDE    | 50    | 70              | A   | A    | A   | A  | C   | A  | *   | *    |
| IDRATO SODICO          | SODIUM HYDROXIDE       | 50    | 70              | A   | A    | B   | A  | B   | B  | *   | *    |

LEGENDA: A-OTTIMA RESISTENZA B-BUONA RESISTENZA C-DEBOLE RESISTENZA N-NON RACCOMANDATO \* NON TESTATO  
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## FLEXIBLE HOSE &amp; FITTING

## CHEMICAL RESISTANCE CHART



| IMPIEGO                  | APPLICATION              | CONC. | T.MAX<br>MAX °C | EPR | EPDM | CSM | CR | FKM | NR | NBR | PE-X |
|--------------------------|--------------------------|-------|-----------------|-----|------|-----|----|-----|----|-----|------|
| IPOCLORITO SODICO        | SODIUM HYPOCHLORITE      | 30    | 25              | B   | B    | C   | B  | B   | B  | *   | *    |
| ISOBUTILACETATO          | ISOBUTYL ACETATE         | 0     | 25              | B   | B    | N   | *  | N   | N  | *   | B    |
| METIL-ISOBUTIL-CHETONE   | METHYLISOBUTYL KETONE    | -     | 25              | B   | A    | N   | N  | *   | C  | *   | *    |
| METILACETATO             | METHYL ACETATE           | 0     | 25              | B   | B    | N   | N  | N   | N  | *   | *    |
| METILACRILNITRILE        | METHACRYLONITRILE        | -     | 25              | A   | *    | *   | B  | *   | N  | *   | *    |
| METILAMMINA              | METHYLAMMINE             | -     | 25              | B   | *    | *   | B  | *   | N  | *   | *    |
| METILETILCHETONE         | METHYLETHIL KETONE       | 50    | 25              | B   | A    | N   | C  | N   | C  | *   | B    |
| NAFTA                    | NAPHTA                   | -     | 25              | N   | N    | N   | C  | A   | A  | A   | B    |
| NITRATO POTASSICO        | POTASSIUM NITRATE        | -     | 70              | A   | A    | A   | A  | A   | A  | *   | *    |
| NITRATO SODICO           | SODIUM NITRATE           | -     | 70              | A   | A    | A   | A  | A   | A  | *   | *    |
| NITROBENZENE             | NITROBENZENE             | -     | 25              | C   | N    | N   | N  | A   | C  | *   | *    |
| NITROFENOLO              | O-NITROPHENOL (MOLTEN)   | -     | 25              | *   | *    | *   | *  | B   | N  | *   | *    |
| NITROTOLUENE             | O-P-NITROTOLUENES        | -     | 25              | *   | *    | *   | *  | A   | N  | *   | *    |
| OLII PER MOTORI          | MOTOR OIL                |       |                 | *   | *    | *   | *  | *   | *  | B   | B    |
| ORTOXYLOLO               | O-XILENE                 | -     | 25              | N   | N    | N   | *  | A   | A  | *   | *    |
| OZONO                    | OZONE                    |       |                 | *   | A    | *   | B  | *   | *  | *   | B    |
| PARAFFINA                | PARAFFIN                 | -     | 80              | N   | B    | N   | *  | A   | A  | *   | *    |
| PENTACLOROETANO          | PENTACHLOROETHANE        | -     | 25              | B   | *    | *   | N  | A   | N  | *   | *    |
| PENTANO                  | PENTANE                  | -     | 25              | N   | N    | B   | B  | A   | N  | B   | B    |
| PERCLORO ETILENE         | PERCHLOROETHYLENE        | -     | 25              | N   | N    | N   | N  | A   | N  | *   | *    |
| POLIETILENGLICOLE        | PLYETHYLENE GLYCOL       | -     | 70              | A   | N    | B   | *  | N   | B  | *   | *    |
| POLIMETIL ISOCIANATO     | POLYMETHYLENE POLYPHENIL | -     | 25              | *   | B    | *   | *  | *   | N  | *   | *    |
| PROPANO                  | PROPANE                  | -     | 25              | N   | N    | A   | A  | A   | A  | B   | *    |
| PROPANO LIQUIDO          | LIQUID PROPANE           |       |                 | *   | *    | *   | *  | *   | *  | B   | B    |
| PROPANO-GAS              | GAS PROPANE              |       |                 | *   | *    | *   | *  | *   | *  | B   | B    |
| PROPILAMMINA             | PROPYLAMINE              | -     | 25              | A   | C    | *   | A  | *   | N  | *   | *    |
| PROPILAMMINA DISOCIANATO | DIISOPROPYLAMINE         | -     | 25              | A   | *    | *   | A  | *   | C  | *   | *    |
| SOLFURO DI CARBONIO      | CARBON DISULPHIDE        | -     | 0               | N   | N    | N   | A  | N   | B  | *   | *    |
| TETRACLOROETANO          | TETRACHLOROETHANE        | -     | 25              | *   | *    | *   | *  | A   | N  | *   | B    |
| TETRACLORURO DI CARBONIO | CARBON TETRACHLORIDE     | -     | 25              | N   | N    | N   | N  | A   | C  | *   | B    |
| TETRAIDROFURANO          | TETRAHYDROFURAN          | -     | 25              | N   | N    | N   | *  | N   | N  | *   | *    |
| TOLUENE                  | TOLUENE                  | -     | 25              | N   | N    | N   | N  | A   | N  | *   | B    |
| TOLUIDINA                | O-TOLUIDINE              | -     | 25              | *   | *    | *   | *  | B   | N  | *   | B    |
| TRICLOROETILENE          | TRICHLOROETHYLENE        | -     | 25              | *   | *    | *   | *  | B   | N  | *   | *    |
| TRIELINA                 | TRICHLOROETHYLENE        | -     | 25              | N   | N    | N   | N  | A   | C  | *   | *    |
| TRIETANOLAMMINA          | TRIETHANOLAMINE          | -     | 25              | A   | A    | A   | C  | N   | N  | *   | B    |
| XILENE                   | XYLENE                   | -     | 25              | N   | N    | N   | N  | A   | C  | *   | B    |
| ZOLFO                    | SULFUR                   | -     | 120             | C   | C    | B   | N  | B   | B  | *   | B    |

LEGENDA: A-OTTIMA RESISTENZA B-BUONA RESISTENZA C-DEBOLE RESISTENZA N-NON RACCOMANDATO \* NON TESTATO  
 LEGENDA: A-EXCELLENT RESISTANCE B-GOOD RESISTANCE C-FAIR RESISTANCE N-NOT RECOMMENDED \* NOT TESTED

## FLEXIBLE HOSE &amp; FITTING



## TEMPERATURE CONVERSION TABLE

| -459 to 0 |        |      | 0 to 100 |    |       |      |     |       | 100 to 1000 |     |     |     |      |      |
|-----------|--------|------|----------|----|-------|------|-----|-------|-------------|-----|-----|-----|------|------|
| °C        | °C     | °F   | °F       | °C | °F    | °C   | °F  | °F    | °C          | °F  | °F  | °C  | °F   | °F   |
| -273      | -459,4 |      | -17,8    | 0  | 32    | 10,0 | 50  | 122,0 | 38          | 100 | 212 | 260 | 500  | 932  |
| -268      | -450   |      | -17,2    | 1  | 33,8  | 10,6 | 51  | 123,8 | 43          | 110 | 230 | 266 | 510  | 950  |
| -262      | -440   |      | -16,7    | 2  | 35,6  | 11,1 | 52  | 125,6 | 49          | 120 | 248 | 271 | 520  | 968  |
| -257      | -430   |      | -16,1    | 3  | 37,4  | 11,7 | 53  | 127,4 | 54          | 130 | 266 | 277 | 530  | 986  |
| -251      | -420   |      | -15,6    | 4  | 39,2  | 12,2 | 54  | 129,2 | 60          | 140 | 284 | 282 | 540  | 1004 |
| -246      | -410   |      | -15,0    | 5  | 41,0  | 12,8 | 55  | 131,0 | 66          | 150 | 302 | 288 | 550  | 1022 |
| -240      | -00    |      | -14,4    | 6  | 42,8  | 13,3 | 56  | 132,8 | 71          | 160 | 320 | 293 | 560  | 1040 |
| -234      | -390   |      | -13,9    | 7  | 44,6  | 13,9 | 57  | 134,6 | 77          | 170 | 338 | 299 | 570  | 1058 |
| -229      | -380   |      | -13,3    | 8  | 46,4  | 14,4 | 58  | 136,4 | 82          | 180 | 356 | 304 | 580  | 1076 |
| -229      | -370   |      | -12,8    | 9  | 48,2  | 15,0 | 59  | 138,2 | 88          | 190 | 374 | 310 | 590  | 1094 |
| -218      | -360   |      | -12,2    | 10 | 50,0  | 15,6 | 60  | 140,0 | 93          | 200 | 392 | 316 | 600  | 1112 |
| -212      | -350   |      | -11,7    | 11 | 51,8  | 16,1 | 61  | 141,8 | 99          | 210 | 410 | 321 | 610  | 1130 |
| -207      | -340   |      | -11,1    | 12 | 53,6  | 16,7 | 62  | 143,6 | 100         | 212 | 413 | 327 | 620  | 1148 |
| -201      | -330   |      | -10,6    | 13 | 55,4  | 17,2 | 63  | 145,4 | 104         | 220 | 428 | 332 | 630  | 1166 |
| -196      | -320   |      | -10,0    | 14 | 57,2  | 17,8 | 64  | 147,2 | 110         | 230 | 446 | 338 | 640  | 1184 |
| -190      | -310   |      | -9,4     | 15 | 59,0  | 18,3 | 65  | 149,0 | 116         | 240 | 464 | 343 | 650  | 1202 |
| -184      | -300   |      | -8,9     | 16 | 60,8  | 18,9 | 66  | 150,8 | 121         | 250 | 482 | 349 | 660  | 1220 |
| -179      | -290   |      | -8,3     | 17 | 62,6  | 19,4 | 67  | 152,6 | 127         | 260 | 500 | 354 | 670  | 1238 |
| -173      | -280   |      | -7,8     | 18 | 64,6  | 20,0 | 68  | 154,4 | 132         | 270 | 518 | 360 | 680  | 1255 |
| -169      | -273   | -459 | -7,2     | 19 | 66,2  | 20,6 | 69  | 156,2 | 138         | 280 | 536 | 366 | 690  | 1274 |
| -168      | -270   | -454 | -6,7     | 20 | 68,0  | 21,1 | 70  | 158,0 | 143         | 290 | 554 | 371 | 700  | 1292 |
| -162      | -260   | -436 | -6,1     | 21 | 69,8  | 21,7 | 71  | 159,8 | 149         | 300 | 572 | 377 | 710  | 1310 |
| -157      | -250   | -418 | -5,6     | 22 | 71,6  | 22,2 | 72  | 161,6 | 154         | 310 | 590 | 382 | 720  | 1328 |
| -151      | -240   | -400 | -5,0     | 23 | 73,4  | 22,8 | 73  | 163,4 | 160         | 320 | 608 | 388 | 730  | 1346 |
| -146      | -230   | -382 | -4,4     | 24 | 75,2  | 23,3 | 74  | 165,2 | 166         | 330 | 626 | 393 | 740  | 1364 |
| -140      | -220   | -364 | -3,9     | 25 | 77,0  | 23,9 | 75  | 167,0 | 171         | 340 | 644 | 399 | 750  | 1382 |
| -134      | -210   | -346 | -3,3     | 26 | 78,8  | 24,4 | 76  | 168,8 | 177         | 350 | 662 | 404 | 760  | 1400 |
| -129      | -200   | -328 | -2,8     | 27 | 80,6  | 25,0 | 77  | 170,6 | 182         | 360 | 680 | 410 | 770  | 1418 |
| -123      | -190   | -310 | -2,2     | 28 | 82,4  | 25,6 | 78  | 172,4 | 188         | 370 | 698 | 416 | 780  | 1436 |
| -118      | -180   | -292 | -1,7     | 29 | 84,2  | 26,1 | 79  | 174,2 | 193         | 380 | 716 | 421 | 790  | 1454 |
| -112      | -170   | -274 | -1,1     | 30 | 86,0  | 26,7 | 80  | 176,0 | 199         | 390 | 734 | 427 | 800  | 1472 |
| -107      | -160   | -256 | -0,6     | 31 | 87,8  | 27,2 | 81  | 177,8 | 204         | 400 | 752 | 432 | 810  | 1490 |
| -101      | -150   | -238 | 0        | 32 | 89,6  | 27,8 | 82  | 179,6 | 210         | 410 | 770 | 438 | 820  | 1508 |
| -96       | -140   | -220 | 0,6      | 33 | 91,4  | 28,3 | 83  | 181,4 | 216         | 420 | 788 | 443 | 830  | 1526 |
| -90       | -130   | -202 | 1,1      | 34 | 93,2  | 28,9 | 84  | 183,2 | 221         | 430 | 806 | 449 | 840  | 1544 |
| -84       | -120   | -184 | 1,7      | 35 | 95,0  | 29,4 | 85  | 185,0 | 227         | 440 | 824 | 454 | 850  | 1562 |
| -79       | -110   | -166 | 2,2      | 36 | 96,8  | 30,0 | 86  | 186,8 | 232         | 450 | 842 | 460 | 860  | 1580 |
| -73       | -100   | -148 | 2,8      | 37 | 98,6  | 30,6 | 87  | 188,6 | 238         | 460 | 860 | 466 | 870  | 1598 |
| -68       | -90    | -130 | 3,3      | 38 | 100,4 | 31,1 | 88  | 190,4 | 243         | 470 | 878 | 471 | 880  | 1616 |
| -62       | -80    | -112 | 3,9      | 39 | 102,2 | 31,7 | 89  | 192,2 | 249         | 480 | 896 | 477 | 890  | 1634 |
| -57       | -70    | -94  | 4,4      | 40 | 104,0 | 32,2 | 90  | 194,0 | 254         | 490 | 914 | 482 | 900  | 1652 |
| -51       | -60    | -76  | 5,0      | 41 | 105,8 | 32,8 | 91  | 195,8 |             |     |     | 488 | 910  | 1670 |
| -46       | -50    | -58  | 5,6      | 42 | 107,6 | 33,3 | 92  | 197,6 |             |     |     | 493 | 920  | 1688 |
| -40       | -40    | -40  | 6,1      | 43 | 109,4 | 33,9 | 93  | 199,4 |             |     |     | 499 | 930  | 1706 |
| -34       | -30    | -22  | 6,7      | 44 | 11,2  | 34,4 | 94  | 201,2 |             |     |     | 504 | 940  | 1724 |
| -29       | -20    | -4   | 7,2      | 45 | 113,0 | 35,0 | 95  | 203,0 |             |     |     | 510 | 950  | 1742 |
| -23       | -10    | 14   | 7,8      | 46 | 114,8 | 35,6 | 96  | 204,8 |             |     |     | 516 | 960  | 1760 |
| -17,8     | 0      | 32   | 8,3      | 47 | 116,6 | 36,1 | 97  | 206,6 |             |     |     | 521 | 970  | 1778 |
|           |        |      | 8,9      | 48 | 118,4 | 36,7 | 98  | 208,4 |             |     |     | 527 | 980  | 1795 |
|           |        |      | 9,4      | 49 | 120,0 | 37,2 | 99  | 210,2 |             |     |     | 532 | 990  | 1814 |
|           |        |      |          |    |       | 37,8 | 100 | 212,0 |             |     |     | 538 | 1000 | 1832 |
|           |        |      |          |    |       |      |     |       |             |     |     |     |      |      |

## FLEXIBLE HOSE &amp; FITTING

## SAFETY



## Informazioni sull'uso dei tubi per vapore *Steam Hose Safety Instructions*

**AVVISO IMPORTANTE!**

La scelta dei tubi per vapore saturo, adatti per l'impiego richiesto, è indispensabile per evitare Danni di qualsiasi genere. Il vapore è estremamente pericoloso e l'uso improprio può essere causa di danni per le attrezzature, di infortunio e per sino di morte per gli operatori. Per permettervi di scegliere il tubo corretto, vi preghiamo di riferirvi a questa tabella.

**SAFETY WARNING!**

*The selection of the proper saturated steam hose for the required applications is essential to avoid any kind of damages. Steam is very dangerous and the improper use could cause danger to equipments, serious injuries and event death to operators. To help the selections of the right hose, we suggest you consider this guidelines.*

| working pressure   |     | temperature of saturated steam |     |
|--------------------|-----|--------------------------------|-----|
| kg/cm <sup>2</sup> | PSI | °C                             | °F  |
| 4                  | 58  | 152                            | 306 |
| 5                  | 72  | 158                            | 317 |
| 6                  | 87  | 165                            | 329 |
| 7                  | 101 | 170                            | 338 |
| 8                  | 116 | 175                            | 347 |
| 9                  | 130 | 180                            | 356 |
| 10                 | 145 | 184                            | 364 |
| 11                 | 159 | 188                            | 372 |
| 12                 | 174 | 192                            | 378 |
| 13                 | 188 | 195                            | 383 |
| 14                 | 203 | 198                            | 389 |
| 15                 | 217 | 201                            | 394 |
| 16                 | 232 | 204                            | 400 |
| 17                 | 246 | 207                            | 405 |
| 18                 | 261 | 210                            | 410 |
| 19                 | 275 | 212                            | 414 |
| 20                 | 290 | 215                            | 419 |

## FLEXIBLE HOSE &amp; FITTING



## MATERIALS

| SIGLA<br>TYPE<br>ASTM D 1418 | DEFINIZIONE<br>DESCRIPTION             | CARATTERISTICHE<br>PROPERTIES                                                                                         |
|------------------------------|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| <b>CR</b>                    | CLOROPRENE                             | BUONA RESISTENZA AGLI AGENTI ATMOSFERICI, AL CALORE, A OLI MINERALI, ALL'ABRASIONE. UTILIZZABILE FINO A 120°C         |
|                              | CHLOROPRENE                            | GOOD RESISTANCE TO WEATHER AGENTS, HEAT, MINERAL OILS, ABRASION. SUITABLE FOR TEMPERATURE UP TO 120°C                 |
| <b>CSM</b>                   | POLIETILENE CLOROSOLFONATO             | BUONA RESISTENZA AGLI AGENTI ATMOSFERICI, AL CALORE, A OLI MINERALI, AGLI ACIDI INORGANICI. UTILIZZABILE FINO A 135°C |
|                              | CHLORO SULFONYL POLYETHYLENE           | GOOD RESISTANCE TO WEATHER AGENTS, HEAT, MINERAL OILS, INORGANIC ACIDS, SUITABLE FOR TEMPERATURE UP TO 135°C          |
| <b>EPDM</b>                  | ETILENE-PROPYLENE-DIENE TERPOLIMERO    | BUONA RESISTENZA AGLI AGENTI ATMOSFERICI; OTTIMA AL CALORE, A PRODOTTI CHIMICI. NON ADATTO A OLII E CARBURANTI.       |
|                              | TERPOLYMER OF ETHYLENE PROPYLENE DIENE | GOOD RESISTANCE TO WEATHER AGENTS; EXCELLENT RESISTANCE TO HEAT AND CHEMICALS. NOT SUITABLE FOR OILS AND FUELS.       |
| <b>EPM</b>                   | ETILENE-PROPYLENE COPOLIMERO           | OTTIMA RESISTENZA AGLI AGENTI ATMOSFERICI; OTTIMA AL CALORE, A PRODOTTI CHIMICI. NON ADATTO A OLII E CARBURANTI.      |
|                              | COPOLYMERS OF ETHYLENE PROPYLENE DIENE | EXCELLENT RESISTANCE TO WEATHER AGENTS, HEAT, CHEMICALS. NOT SUITABLE FOR OILS AND FUELS.                             |
| <b>FKM</b>                   | GOMMA PERFLUORURATA                    | ALTISSIMA RESISTENZA AL CALORE E ALLE SOSTANZE CHIMICHE                                                               |
|                              | PERFLUORO RUBBER                       | EXCELLENT RESISTANCE TO HEAT AND CHEMICALS.                                                                           |
| <b>NBR</b>                   | ACRILONITRILE BUTADIENE                | ALTA RESISTENZA A OLI, CARBURANTI E SOLVENTI.                                                                         |
|                              | ACRYLONITRILE BUTADIENE                | GOOD RESISTANCE TO OILS, FUELS AND SOLVENTS,                                                                          |
| <b>NBR/PVC</b>               | ACRILONITRILE BUTADIENE/PVC            | ALTA RESISTENZA A OLI, CARBURANTI E SOLVENTI, ALLA ABRASIONE E AGLI AGENTI ATMOSFERICI.                               |
|                              | ACRYLONITRILE BUTADIENE/PVC            | EXCELLENT RESISTANCE TO OILS, FUELS, SOLVENTS, ABRASION AND WEATHER AGENTS.                                           |
| <b>NR</b>                    | GOMMA NATURALE                         | SCARSA RESISTENZA AGLI AGENTI ATMOSFERICI;<br>BUONE CARATTERISTICHE MECCANICHE, RESISTENZA ALL'ABRASIONE              |
|                              | NATURAL RUBBER                         | POOR RESISTANCE TO WEATHER AGENTS;<br>GOOD MECHANICAL PROPERTIES; ABRASION RESISTANT.                                 |
| <b>SBR</b>                   | STIRENE BUTADIENE                      | BUONA RESISTENZA AGLI AGENTI ATMOSFERICI E AGLI OLI MINERALI;<br>BUONE CARATTERISTICHE MECCANICHE.                    |
|                              | STYRENE BUTADIENE                      | GOOD RESISTANCE TO WEATHER AGENTS AND MINERAL OILS;<br>GOOD MECHANICAL PROPERTIES.                                    |

## FLEXIBLE HOSE &amp; FITTING

**SUL DIAMETRO - ON DIAMETER****Tubi a mandrino rigido - Rigid mandrel hose**

(secondo ISO 1307/92 per Ø int. - according to ISO 1307/92 for I.D.)

| Diametro interno - I.D. |             | Tolleranza su - Tolerance on |           |
|-------------------------|-------------|------------------------------|-----------|
| mm                      |             | Ø int. mm                    | Ø est. mm |
| fino a                  | 3,2         | ±0,30                        | ±0,50     |
| da                      | 3,3 a 10    | ±0,40                        | ±0,50     |
| da                      | 10,1 a 20   | ±0,60                        | ±0,80     |
| da                      | 20,1 a 25   | ±0,80                        | ±1,00     |
| da                      | 25,1 a 40   | ±1,00                        | ±1,20     |
| da                      | 40,1 a 63   | ±1,20                        | ±1,40     |
| da                      | 63,1 a 90   | ±1,40                        | ±1,60     |
| da                      | 90,1 a 125  | ±1,60                        | ±2,00     |
| da                      | 125,1 a 150 | ±2,00                        | ±2,50     |
| da                      | 150,1 a 200 | ±2,50                        | ±2,50     |
| da                      | 200,1 a 315 | ±3,00                        | ±3,00     |

**Tubi long length - Long length hose**

| Diametro interno - I.D. |           | Tolleranza su - Tolerance on |           |
|-------------------------|-----------|------------------------------|-----------|
| mm                      |           | Ø int. mm                    | Ø est. mm |
| fino a                  | 6         | ±0,60                        | ±0,60     |
| da                      | 6,1 a 20  | ±0,80                        | ±0,80     |
| da                      | 20,1 a 25 | ±1,20                        | ±1,20     |
| da                      | 25,1 a 40 | ±1,60                        | ±1,60     |

**SULLA LUNGHEZZA - ON LENGTH**

| Lunghezza mm - Length mm |             | Tolleranza mm - Tolerance mm |
|--------------------------|-------------|------------------------------|
| fino a                   | 300         | ± 3,00                       |
| da                       | 301 a 600   | ± 4,50                       |
| da                       | 901 a 1200  | ± 6,00                       |
| da                       | 901 a 1200  | ± 9,00                       |
| da                       | 1201 a 1800 | ±12,00                       |
| oltre                    | a 1801      | ± 1,00%                      |

**PEZZATURE - LENGTHS****Tubi a mandrino rigido - Rigid mandrel hose**

| Diametro interno mm - I.D. mm |          | Pezzature metri - Lengths mt |
|-------------------------------|----------|------------------------------|
| da                            | 10 a 203 | • 40                         |

**Tubi long length**

| Diametro interno mm - I.D. mm |    | Pezzature metri - Lengths mt |
|-------------------------------|----|------------------------------|
| fino a                        | 25 | oltre 30 metri               |
| up to                         | 25 | over 30 meters               |

Per i tubi che si riferiscono specificatamente ad una norma attenersi alle tolleranze della stessa e non quelle indicate ISO 1307/92

Diametri, pezzature e tipi di tubo qui non elencati possono essere prodotti su specifica richiesta.

Per la scelta, lo stoccaggio e la manutenzione dei tubi flessibili di gomma si consiglia vivamente di consultare l'omonima pubblicazione ad essi relativa edita da Assogomma e disponibile su richiesta del cliente.

I prodotti RAPISARDA soddisfano le Prescrizioni delle principali normative Internazionali.

For hoses manufactured according to one Specific standard, apply with the tolerances of such a standard and not with the ones of ISO 1307/92

Other sizes, lengths and hose types can be manufactured on request.

For choice, storing and maintenance of rubber hoses, we recommend looking them up in the relevant publication issued by ASSOGOMMA (Italy) and available on customer's request.

RAPISARDA products meet the major international standards.

## FLEXIBLE HOSE &amp; FITTING



BUSINESS REGISTRATION NO.: F 02230Z

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Report no.  
08-21005-SGProject no.  
1842014Report date:  
17<sup>th</sup> March 2008Office:  
Singapore

## REPORT OF ACTIVITY

|                                                                                                                                                                                  |                                                                                                                                                                                            |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>General scope of activity:</b><br>Witness Hydrostatic Test of Hoses                                                                                                           | <b>Dates of all related activity:</b><br>17 <sup>th</sup> March 2008                                                                                                                       |
| <b>Client:</b><br>Company name: Sunway Marketing (S) Pte Ltd.<br>Address: 19, Senoko South Road, Singapore 758078<br>Contact(s): Ms. Bee Theng<br>Tel: 67585454 ; Fax : 62578759 | <b>Customer:</b><br>Vessel : BGP Supply 1.<br>Job no: A32522                                                                                                                               |
| <b>Component description(s):</b><br>DH- 300-0400 x 30.5 meter Hoses<br>Total Qty 8 Nos.                                                                                          | <b>Results:</b><br>Meets requirements <input checked="" type="checkbox"/><br>Subject to condition(s) noted <input type="checkbox"/><br>Does not meet requirements <input type="checkbox"/> |

This is to certify that the undersigned did at the request of M/s Sunway Marketing (S) Pte Ltd, attend their yard in No.19, Senoko South Road, Singapore 758078 on 17<sup>th</sup> March 2008 in order to carryout the scope of services described below.

**1.0 Scope of service activity:**

Witness Hydrostatic Test of Hoses.- Qty 8 units  
DH-300-0400 x 30.5meter , both ends with NPT male fittings.

**2.0 Details:**

The above mentioned Hoses were individually subjected hydrostatic tests. The results were as follows:

| Identification No. | Description of Hose      | Test Pressure (Psi) | Holding Time In ( Min.) |
|--------------------|--------------------------|---------------------|-------------------------|
| 1                  | DH-300-0400 x 30.5 meter | 400                 | 1                       |
| 2                  | DH-300-0400 x 30.5 meter | 400                 | 1                       |
| 3                  | DH-300-0400 x 30.5 meter | 400                 | 1                       |
| 4                  | DH-300-0400 x 30.5 meter | 400                 | 1                       |
| 5                  | DH-300-0400 x 30.5 meter | 400                 | 1                       |
| 6                  | DH-300-0400 x 30.5 meter | 400                 | 1                       |
| 7                  | DH-300-0400 x 30.5 meter | 400                 | 1                       |
| 8                  | DH-300-0400 x 30.5 meter | 400                 | 1                       |

## FLEXIBLE HOSE &amp; FITTING



BUSINESS REGISTRATION NO.: F 02230Z

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Report no.  
08-21005-SGProject no.  
1842014Report date:  
17<sup>th</sup> March 2008Office:  
Singapore**3.0 Conclusion:**

No sign of any leakage or deformation was observed during test. The results of the above mentioned hydrostatic test was satisfactory.

**4.0. Identification :**

The Hoses had been identified by ABSG Report serial No 08-21005-SG-1 to 08-21005-SG-8 For future identification .

**5.0. Attachments:**

Leak Test report for hoses duly endorsed.

Report prepared and submitted without prejudice

  
  
P.K.Singh  
Sr.Technical Representative  
ABSG Consulting Inc.

## FLEXIBLE HOSE & FITTING



|                                                                                                                                                         |                                                                |                                                                                                          |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
|  <p><b>BUREAU<br/>VERITAS</b><br/><b>INDUSTRY &amp; FACILITIES</b></p> | <p><i><b>INSPECTION REPORT</b></i><br/><i><b>N° 02</b></i></p> | <p>Page: 1 / 4</p> <p><input type="checkbox"/> Interim<br/><input checked="" type="checkbox"/> Final</p> |
|                                                                                                                                                         | <p><i><b>Ref. BV: SGP 2006-294</b></i></p>                     |                                                                                                          |

|                                                              |                                                 |
|--------------------------------------------------------------|-------------------------------------------------|
| <b>SUBJECT: HOSE ASSEMBLY</b>                                | <b>Ref.: N.A.</b>                               |
| <b>BV CLIENT: SUNWAY MARKETING (S) PTE LTD</b>               | <b>P/O NO.: N.A.</b><br>(Client to BV)          |
| <b>SUPPLIER: SUNWAY MARKETING (S) PTE LTD</b>                | <b>P/O N°: N.A.</b><br>(Client to manufacturer) |
| <b>Inspection requested by: SUNWAY MARKETING (S) PTE LTD</b> |                                                 |

| SUPPLY:                                                                                    | ITEM / TAG NO. | QTY |
|--------------------------------------------------------------------------------------------|----------------|-----|
| One lot of Hose Assembly<br>(for details refer to page 3 / 4 to page 4 / 4 of this report) | -              | -   |

| DOCUMENTS OF REFERENCE: |              |      |             |      |
|-------------------------|--------------|------|-------------|------|
| Title                   | Reference n° | Rev. | Approved by | Date |
|                         |              |      |             |      |

|                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                             |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>INSPECTION:</b><br><br><b>1. INSPECTION PLACE</b><br>21 Senoko Drive,<br>Singapore 758208<br><br><b>INSPECTION DATE:</b><br>03 <sup>rd</sup> August 2006                                                                                                                                                         | <b>5. RESULT OF INSPECTION</b><br><input checked="" type="checkbox"/> Satisfactory <input type="checkbox"/> Unsatisfactory                                                                  |
| <b>2. STAGE OF INSPECTION</b><br><input type="checkbox"/> Before manufacturing<br><input type="checkbox"/> During manufacturing<br><input checked="" type="checkbox"/> Final<br><input type="checkbox"/> Packing                                                                                                    | <b>6. CONCLUSIONS / REMARKS</b><br><br><ul style="list-style-type: none"> <li>This report reflects our findings at the time and place indicated and is issued without prejudice.</li> </ul> |
| <b>3. KIND OF INSPECTION</b><br><input type="checkbox"/> Review documentation<br><input checked="" type="checkbox"/> Witness inspection<br><input checked="" type="checkbox"/> Visual / Dimensional<br><input type="checkbox"/> NDE<br><input checked="" type="checkbox"/> Tests<br><input type="checkbox"/> Others |                                                                                                                                                                                             |
| <b>4. DIE STAMP:</b><br><br><input type="checkbox"/> NO <input checked="" type="checkbox"/>  <input type="checkbox"/>                         | <b>7. NEXT VISIT SCHEDULE: N.A.</b>                                                                                                                                                         |

## FLEXIBLE HOSE &amp; FITTING



|                                                                                                                                         |                                   |                                                                                                  |
|-----------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|--------------------------------------------------------------------------------------------------|
| <br><b>BUREAU<br/>VERITAS</b><br>INDUSTRY & FACILITIES | <b>INSPECTION REPORT</b><br>N° 02 | Page: 2 / 4<br><br><input type="checkbox"/> Interim<br><input checked="" type="checkbox"/> Final |
| Ref. BV: SGP 2006-294                                                                                                                   |                                   |                                                                                                  |

**8. INSPECTION PERFORMED (Description)**

Upon request for M/S Sunway Marketing (S) Pte. Ltd., the undersigned acting within the scope of Bureau Veritas General Conditions of Service, certifies that on the 03<sup>rd</sup> August 2006, attended at their premises at 21 Senoko Drive, Singapore 758208, for the purpose of carry out inspection and reported as follow:

**8.1 Scope of Inspection**

- Visual and Dimensional Inspection
- Witness Hydrostatic Testing

**8.2 Observations / Findings**

- Visual and Dimensional Inspection was carried out found items are new, free from defect, and meet the all-technical and dimensional specification described.
- All hose assembly inspected was noted with size and material specification marked on the items.
- Witness Hydrostatic Testing at 1.5 time of the rated working pressure for Ten minute holding period, and no leakage or deformation was noted during holding period.

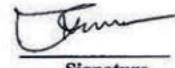
**9. REMARKS**

- All Hose Assembly that passed hydrostatic testing were stamped with  die stamp and identification number on one end of the flange

**10. ENCLOSURES**

- Calibration Certificate for pressure gauge utilized (Ser. No. 62189)

ANNEXES: ☐ Yes (see attached) ☐ No

|                                                                                                                                                                                                                                                                                                     |                                                                                     |                                                                                                                                                                                                                                                                                          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Inspected / Witnessed by:<br><br><div style="display: flex; justify-content: space-between;"> <div> <u>Richard HENG</u><br/>           Name         </div> <div> <br/>           Signature         </div> </div> |  | Reviewed by:<br><br><div style="display: flex; justify-content: space-between;"> <div> <u>TAN Ta Liang</u><br/>           Name         </div> <div> <br/>           Signature         </div> </div> |
| Date: 03 <sup>rd</sup> August 2006<br>Inspection Center: Singapore                                                                                                                                                                                                                                  |                                                                                     |                                                                                                                                                                                                                                                                                          |
| Diffusion: <input checked="" type="checkbox"/> Client : 1 Original + 1 Copy <input checked="" type="checkbox"/> BV SGP File : 1 Copy                                                                                                                                                                |                                                                                     |                                                                                                                                                                                                                                                                                          |

## FLEXIBLE HOSE &amp; FITTING



|                                                                                                                                     |                                          |                                                                                                  |
|-------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|--------------------------------------------------------------------------------------------------|
| <br><b>BUREAU VERITAS</b><br>INDUSTRY & FACILITIES | <b>INSPECTION REPORT</b><br><b>N° 02</b> | Page: 3 / 4<br><br><input type="checkbox"/> Interim<br><input checked="" type="checkbox"/> Final |
|                                                                                                                                     | Ref. BV: SGP 2006-294                    |                                                                                                  |

| ITEM | POS        | PART NO.                | DESCRIPTION                                                                                                   | QUANTITY |
|------|------------|-------------------------|---------------------------------------------------------------------------------------------------------------|----------|
| 1    | (A870-111) | RH150-0063-SP HOSE ASSY | HOSE ASSY 5/8" IDX2MTRS C/W 20S FEMALE SWIVEL S/S316 ON BOTH ENDS CRIMP-ON INCL. BOLT & NUT S/S316)           | 1.00 LT  |
| 2    | (A710-338) | MSH300-0063-S HOSE ASSY | HOSE ASSY 5/8" IDX7.5MTRS C/W 20S FEMALE SWIVEL S/S316 ON BOTH ENDS CRIMP-ON INCL. BOLT & NUT S/S316)         | 1.00 LT  |
| 3    | (A710-350) | OSD150-0075 HOSE ASSY   | HOSE ASSY 3/4" IDX6MTRS C/W 3/4" PN10 FLANGE S/S316 ONE END FIXED, OTHER END SWIVEL (INCL. BOLT & NUT S/S316) | 1.00 LT  |
| 4    | (A700-305) | OSD150-0300 HOSE ASSY   | HOSE ASSY 3" IDX7MTRS C/W 3" PN10 FLANGE S/S316 ONE END FIXED, OTHER END SWIVEL (INCL. BOLT & NUT S/S316)     | 1.00 LT  |
| 5    | (A700-306) | OSD150-0300 HOSE ASSY   | HOSE ASSY 3" IDX7MTRS C/W 3" PN10 FLANGE S/S316 ONE END FIXED, OTHER END SWIVEL (INCL. BOLT & NUT S/S316)     | 1.00 LT  |
| 6    | (A700-77)  | DH300-0600 HOSE ASSY    | HOSE ASSY 6" IDX7MTRS C/W 6" PN10 FLANGE S/S316 ONE END FIXED, OTHER END SWIVEL (INCL. BOLT & NUT S/S316)     | 1.00 LT  |
| 7    | (A700-81)  | OSD150-0500 HOSE ASSY   | HOSE ASSY 5" IDX1MTR C/W 5" PN10 FLANGE S/S316 ONE END FIXED, OTHER END SWIVEL (INCL. BOLT & NUT S/S316)      | 1.00 LT  |
| 8    | (A700-122) | ODH150-0100 HOSE ASSY   | HOSE ASSY 1" IDX1MTR C/W 1" PN10 FLANGE S/S316 ONE END FIXED, OTHER END SWIVEL (INCL. BOLT & NUT S/S316)      | 1.00 LT  |
| 9    | (A700-123) | ODH150-0100 HOSE ASSY   | HOSE ASSY 1" IDX1MTR C/W 1" PN10 FLANGE S/S316 ONE END FIXED, OTHER END SWIVEL (INCL. BOLT & NUT S/S316)      | 1.00 LT  |
| 10   | (A700-124) | ODH150-0100 HOSE ASSY   | HOSE ASSY 1" IDX1MTR C/W 1" PN10 FLANGE S/S316 ONE END FIXED, OTHER END SWIVEL (INCL. BOLT & NUT S/S316)      | 1.00 LT  |
| 11   | (A700-125) | ODH150-0100 HOSE ASSY   | HOSE ASSY 1" IDX1MTR C/W 1" PN10 FLANGE S/S316 ONE END FIXED, OTHER END SWIVEL (INCL. BOLT & NUT S/S316)      | 1.00 LT  |

## FLEXIBLE HOSE &amp; FITTING



|                                                               |  |                                          |  |                                                                                                  |
|---------------------------------------------------------------|--|------------------------------------------|--|--------------------------------------------------------------------------------------------------|
| <br><b>BUREAU VERITAS</b><br><b>INDUSTRY &amp; FACILITIES</b> |  | <b>INSPECTION REPORT</b><br><b>N° 02</b> |  | Page: 4 / 4<br><br><input type="checkbox"/> Interim<br><input checked="" type="checkbox"/> Final |
|                                                               |  | Ref. BV: SGP 2006-294                    |  |                                                                                                  |

| ITEM | POS         | PART NO.              | DESCRIPTION                                                                                              | QUANTITY |
|------|-------------|-----------------------|----------------------------------------------------------------------------------------------------------|----------|
| 12   | (A700-140)  | ODH150-0100 HOSE ASSY | HOSE ASSY 1" IDX1MTR C/W 1" PN10 FLANGE S/S316 ONE END FIXED, OTHER END SWIVEL (INCL. BOLT & NUT S/S316) | 1.00 LT  |
| 13   | (A700-1141) | ODH150-0100 HOSE ASSY | HOSE ASSY 1" IDX1MTR C/W 1" PN10 FLANGE S/S316 ONE END FIXED, OTHER END SWIVEL (INCL. BOLT & NUT S/S316) | 1.00 LT  |
| 14   | (A700-1142) | ODH150-0100 HOSE ASSY | HOSE ASSY 1" IDX1MTR C/W 1" PN10 FLANGE S/S316 ONE END FIXED, OTHER END SWIVEL (INCL. BOLT & NUT S/S316) | 1.00 LT  |
| 15   | (A700-1143) | ODH150-0100 HOSE ASSY | HOSE ASSY 1" IDX1MTR C/W 1" PN10 FLANGE S/S316 ONE END FIXED, OTHER END SWIVEL (INCL. BOLT & NUT S/S316) | 1.00 LT  |

## FLEXIBLE HOSE &amp; FITTING



Certificate no: SNG 0605298/1  
Page 1 of 1



## CERTIFIED COPY

Project: 2 X Rubber Hose.

Client: Sunway Marketing (S) Pte Ltd  
21 Senoko Drive, Singapore 758208.

Office: Singapore

Clients Order Number: RFS dated 07 June 2006.

Date: 15 June 2006

Order Status: Complete

Inspection Dates

First: 09 June 2006

Final: 09 June 2006

This certificate is issued to Messrs Sunway Marketing (S) Pte Ltd to certify that at the request of the above client the undersigned Inspector to this Society did attend at their works on the above date for the purpose of witnessing the hydrostatic test for the following:

DESCRIPTION: TWO (2) LENGTHS - 8" ID x 6.0 METER RUBBER HOSE ASSEMBLY BOTH END SWAGED ON WITH CARBON STEEL ASA150LBs x 8" FIXED FLANGES.

Now Done

- Witnessed Hydrostatic Test to a pressure of 450 psi and found tight.

The manufacture process, material identification, dimension, and welding procedure have all not been verified and remain the manufacturer's responsibility.

For the purpose of identification these rubber hose were hard stamped on the End flanges as follows:

SNG 0605298 - 1 and 2. YSH  
WTP 450 PSI  
09 06 06

  
**Lloyd's Register Asia**  
Singapore Office  
  
**Lloyd's Register**  
S H Yap  
Inspector to  
Lloyd's Register Asia  
Marvin Ho for S H Yap and self  
Surveyor to  
Lloyd's Register Asia  
A member of the Lloyd's Register Group

Lloyd's Register, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as the 'Lloyd's Register Group'. The Lloyd's Register Group assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register Group entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.

Form 1123Local (2005.02)

## FLEXIBLE HOSE &amp; FITTING



## Certificate Of Test &amp; Inspection

Date : 01 July 2008

Client : TO WHOM IT MAY CONCERN

Your Reference No. : Nil

Our Reference : SA: 00101

Hose Marking : Nil

This certificate refer to

Hose Model : Sunflex WSD150 Water Suction & Discharge Hose

Nominal Bore Size : 4 inch

Length : 3 x 25 Meter

End Fitting : c/w Swaged On 4" NPTM Both End, With SS-A & D, DC & DP

Working Pressure : 150 PSI

Test Pressure : 225 PSI (1.5 times of working pressure)

Electrical Continuity : GOOD

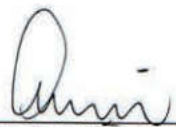
Temperature Range : -40°C to +85°C

Type of test : Hydrostatic

We hereby certify that the whole supplies hereon have been inspected and tested to the specification stated as above.



CERTIFICATE NO. 2348

  
Quality Control Department