

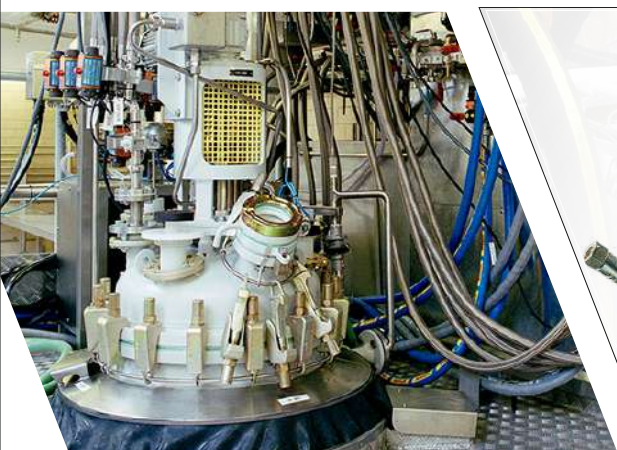


**WE THINK | WE BUILD | WE DELIVER**  
AN ISO 9001 : 2015 CERTIFIED COMPANY

# SRPPL

## **SURAKSHA RUBBER PRODUCTS PVT. LTD.**

Sister Concern of **VANSH INDUSTRIES**  
A Reliable & Trusted Name for Hoses  
& Hose Assemblies



# HYDRAULIC INDUSTRIAL AUTOMOTIVE & LPG HOSES



## COMPANY PROFILE

We are a leading manufacturer of superior quality Hydraulic, Industrial, Automotive & LPG Hose Products. Being the experts in the industry, we understand how crucial it is to choose the right product that caters to your needs. At Suraksha Rubber Products, we make your choices easier, simpler and secure by providing a one-stop solution for all your domestic and commercial as well as industrial applications.

Suraksha Rubber Products company was incorporated in 2005, However by 2020 the company was acquired by VANSH INDUSTRIES.

The Company Started Production at the newly built-up plant Sonipat, Haryana from December 2020, started manufacturing the all type of Braided Hoses, Hydraulic, Industrial, Automotive & Suraksha LPG Hoses. In Last, 3 Years Suraksha Products has grown considerably and has now become one of the largest player in the Indian Market.

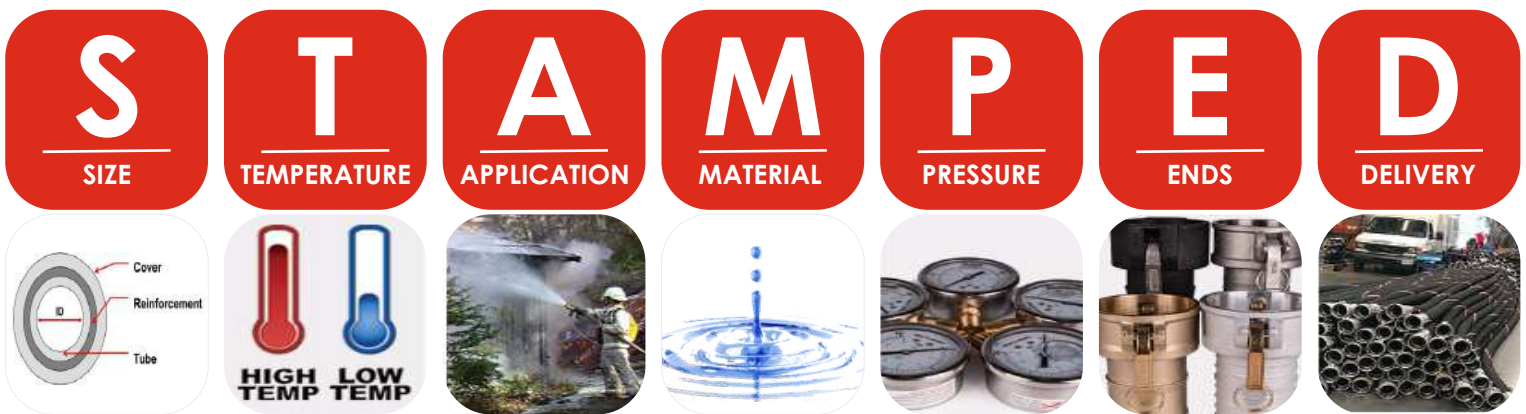
Suraksha Products (Vansh Group of Companies) and Sister Concern Vansh Industries recently awarded TOP DOMESTIC SALES AWARD by AIRIA, PLATINUM BUSINESS AWARD by DAINIK JAGRAN, INDIA 5000 BEST MSME AWARDS 2022 WINNER.

We are certified by ISO, BIS, LERC (LPG Equipment Research Centre Bangalore) and NSIC (Dun & Bradstreet Credit Ratings). Our products have passed stringent tests at some of the most esteemed organizations like MSHA, DNV (ATEX) ARAI, Pune & IRMRA Mumbai, thereby enabling us to continue dominating the industry.



Proper hose selection is the first step in preventive maintenance. Selecting the best, product for the application will allow you to obtain the maximum life expectancy from the most value.

The acronym “STAMPED” will help in the proper selection of hose and/or assemblies to reduce the chance of a failure from a misapplication.



### (SIZE:)

- ▶ What inside diameter (ID) of hose is required?
- ▶ Is the outside diameter (OD) critical?
- ▶ How long of a length is required?
- ▶ Is the exact overall length (OAL) including fittings critical ?



### (TEMPERATURE:)

- ▶ What is the temperature of the product being conveyed ?
- ▶ What temperature will the external cover be subject to ?

Temperature have a considerable impact on the working pressure of a hose; as the temperature goes up. the recommended working pressure goes down ( all working pressure goes down . Never operate a hose towards its highest recommended pressure while at or near its maximum temperature range.



### (APPLICATION:)

- ▶ Where will this hose be used ?
- ▶ How will it be handled or installed ?
- ▶ Will the hose be subject to any flexing, dragging, oils/chemicals, etc.?
- ▶ If the hose is replacing an old hose, what is the reason for replacement ?
- ▶ How has it performed ?
- ▶ Is it critical application ? In order to determine if the hose is “critical”, what will happen if the hose fails ?

### M

#### (MATERIAL:)

- ▶ What is the substance or material being conveyed through the hose?
- ▶ If it is a chemical, identify the concentration (%).
- ▶ If it is a material, is it wet or dry?
- ▶ What size are the particles ?
- ▶ Are they sharp or abrasive ?

### P

#### (PRESSURE:)

- ▶ Determine if it is a pressure and/or vacuum application.
- ▶ What is the maximum working pressure ?
- ▶ Are there any pressure surges ?

Never allow the system above the maximum pressure of the hose. Likewise for vacuum ratings.

### E

#### (ENDS:)

- ▶ What type of end is required to connect the hose to the system ?
- ▶ Given all the above information, what type of fitting and clamping system should be used ?

The type of fittings and clamps must consider the application, pressure, size, material being conveyed, type of hose and the manufacturer's recommendation.

### D

#### (DELIVERY:)

- ▶ When the hose required by ?
- ▶ How much time is required to manufacture the hose and/or properly install and assemble the ends ?
- ▶ Does the hose have to be tested and certified ?

Once a hose assembly has been put into service, New-Line recommends a full inspection and/or re-testing on a regular and consistent basis.

## MARKETS



Transportation



Military



Agriculture



Forestry



Utility Equipment



Mining



Ground Support Equipment



Railroad



Construction



Oil Field Service



Waste & Refuse



Material Handling



Paving & Road Maintenance



Industrial



Inplant Automotive



Personnel Lift Equipment



Grounds & Building Maintenance



RV & Bus

## HYDRAULIC HOSES

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**DO MORE IN  
LESS TIME**

FASTEST DELIVERY HOSES





# CONVERSION TABLE

|                          | UNIT                    | CONVERSION UNIT | FACTOR   |
|--------------------------|-------------------------|-----------------|----------|
| <b>PRESSURE</b>          | 1 pound per square-inch | bar             | 0.06895  |
|                          | 1 bar                   | psi             | 14.5035  |
|                          | 1 pound per square-inch | MPa             | 0.006895 |
|                          | 1 mega pascal           | psi             | 145.035  |
|                          | 1 kilo pascal           | bar             | 0.01     |
|                          | 1 bar                   | kPa             | 100      |
|                          | 1 mega pascal           | bar             | 10       |
|                          | 1 bar                   | MPa             | 0.1      |
|                          | 1 inch                  | mm              | 25.4     |
|                          | 1 millimetre            | in              | 0.03934  |
| 1 foot                   | m                       | 0.3048          |          |
| 1 metre                  | ft                      | 3.28084         |          |
| 1 square-inch            | cm <sup>2</sup>         | 6.4516          |          |
| 1 cubic centimetre       | cubic in                | 0.0610          |          |
| 1 gallon (UK)            | ltr                     | 4.54596         |          |
| 1 litre                  | gal (UK)                | 0.219976        |          |
| 1 gallon (US)            | ltr                     | 3.78533         |          |
| 1 litre                  | gal (US)                | 0.264177        |          |
| 1 pound                  | kg                      | 0.453592        |          |
| 1 kilogramme             | lb                      | 2.204622        |          |
| 1 gallon per minute (UK) | l / min                 | 0.54596         |          |
| 1 litre per minute       | gal / min. (UK)         | 0.219976        |          |
| 1 gallon per minute (US) | l / min.                | 3.78533         |          |
| 1 litre per minute       | gal / min. (US)         | 0.264178        |          |
| 1 foot per second        | m / s                   | 0.3048          |          |
| 1 metre per second       | ft / s                  | 3.280840        |          |
| Fahrenheit degree        | °C                      | 5/9 (°F-32)     |          |
| Celsius degree           | °F                      | °C 9/5+32       |          |

| PSI TO METRIC                |                    |                    |           |  |
|------------------------------|--------------------|--------------------|-----------|--|
| Pounds per Square Inch (psi) | Kilo Pascals (KPa) | Mega Pascals (MPa) | Bar (Bar) |  |
| 10                           | 68.9               | 0.07               | 0.7       |  |
| 20                           | 137.9              | 0.14               | 1.4       |  |
| 30                           | 206.8              | 0.21               | 2.1       |  |
| 40                           | 275.8              | 0.28               | 2.8       |  |
| 50                           | 344.7              | 0.34               | 3.4       |  |
| 60                           | 413.7              | 0.41               | 4.1       |  |
| 70                           | 482.6              | 0.48               | 4.8       |  |
| 80                           | 551.6              | 0.55               | 5.5       |  |
| 90                           | 620.5              | 0.62               | 6.2       |  |
|                              |                    |                    |           |  |
| 100                          | 689                | 0.7                | 6.9       |  |
| 200                          | 1,379              | 1.4                | 13.8      |  |
| 300                          | 2,068              | 2.1                | 20.7      |  |
| 400                          | 2,758              | 2.8                | 27.6      |  |
| 500                          | 3,447              | 3.4                | 34.5      |  |
| 600                          | 4,137              | 4.1                | 41.4      |  |
| 700                          | 4,826              | 4.8                | 48.3      |  |
| 800                          | 5,516              | 5.5                | 55.2      |  |
| 900                          | 6,205              | 6.2                | 62.1      |  |
|                              |                    |                    |           |  |
| 1,000                        | 6,895              | 6.9                | 68.9      |  |
| 2,000                        | 13,790             | 13.8               | 137.9     |  |
| 3,000                        | 20,684             | 20.7               | 206.8     |  |
| 4,000                        | 27,579             | 27.6               | 275.8     |  |
| 5,000                        | 34,474             | 34.5               | 344.7     |  |
| 6,000                        | 41,369             | 41.4               | 413.7     |  |
| 7,000                        | 48,263             | 48.3               | 482.6     |  |
| 8,000                        | 55,158             | 55.2               | 551.6     |  |
| 9,000                        | 62,053             | 62.1               | 620.5     |  |
|                              |                    |                    |           |  |
| 10,000                       | 68,948             | 68.9               | 689       |  |
| 20,000                       | 137,895            | 137.9              | 1,379     |  |
| 30,000                       | 206,843            | 206.8              | 2,068     |  |
| 40,000                       | 275,790            | 275.8              | 2,758     |  |

| METRIC TO PSI      |                    |           |                              |  |
|--------------------|--------------------|-----------|------------------------------|--|
| Kilo Pascals (KPa) | Mega Pascals (MPa) | Bar (Bar) | Pounds per Square Inch (psi) |  |
| 100                | 0.1                | 1         | 14.5                         |  |
| 200                | 0.2                | 2         | 29.0                         |  |
| 300                | 0.3                | 3         | 43.5                         |  |
| 400                | 0.4                | 4         | 58.0                         |  |
| 500                | 0.5                | 5         | 72.5                         |  |
| 600                | 0.6                | 6         | 87.0                         |  |
| 700                | 0.7                | 7         | 101.5                        |  |
| 800                | 0.8                | 8         | 116.0                        |  |
| 900                | 0.9                | 9         | 130.5                        |  |
|                    |                    |           |                              |  |
| 1,000              | 1.0                | 10        | 145.0                        |  |
| 2,000              | 2.0                | 20        | 290.1                        |  |
| 3,000              | 3.0                | 30        | 435.1                        |  |
| 4,000              | 4.0                | 40        | 580.2                        |  |
| 5,000              | 5.0                | 50        | 725.2                        |  |
| 6,000              | 6.0                | 60        | 870.2                        |  |
| 7,000              | 7.0                | 70        | 1,015.3                      |  |
| 8,000              | 8.0                | 80        | 1,160.3                      |  |
| 9,000              | 9.0                | 90        | 1,305.3                      |  |
|                    |                    |           |                              |  |
| 10,000             | 10.0               | 100       | 1,450                        |  |
| 20,000             | 20.0               | 200       | 2,901                        |  |
| 30,000             | 30.0               | 300       | 4,351                        |  |
| 40,000             | 40.0               | 400       | 5,802                        |  |
| 50,000             | 50.0               | 500       | 7,252                        |  |
| 60,000             | 60.0               | 600       | 8,702                        |  |
| 70,000             | 70.0               | 700       | 10,153                       |  |
| 80,000             | 80.0               | 800       | 11,603                       |  |
| 90,000             | 90.0               | 900       | 13,053                       |  |
|                    |                    |           |                              |  |
| 100,000            | 100                | 1000      | 14,504                       |  |
| 200,000            | 200                | 2000      | 29,008                       |  |
| 300,000            | 300                | 3000      | 43,511                       |  |

# SRPPL

SURAKSHA RUBBER PRODUCTS PVT. LTD.

## HYDRAULIC HOSES

 Power Braid

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## SAE 100 R1 AT/ 1SN EN 853 (1- WIRE BRAIDED) FLAME RESISTANCE “MSHA” COVER

- RECOMMENDED FOR : Medium Pressure Hydraulic Line. Suitable for Petroleum Based Hydraulic Fluids, Synthetic Ester, Biodegradable Hydraulic Fluids, Water-Glycol Based Fluids and Lubricating Oils
- INNER TUBE : Oil Resistant Synthetic Rubber
- REINFORCEMENT : Single Wire Braid of High Tensile Steel Reinforcement
- OUTER COVER : Oil, Weather, Ozone & Abrasion Resistant Synthetic Rubber (Black)
- TEMPERATURE RANGE : - 40°C to + 100°C (Continuous). Intermittent Temperature upto + 120°C



| Product Code | Hose ID |      |        | Hose OD<br>(MM) | Max. Working Pressure |      | Min. Burst Pressure |       | Min. Bend Radius<br>(MM) |
|--------------|---------|------|--------|-----------------|-----------------------|------|---------------------|-------|--------------------------|
|              | Dash    | mm   | Inch   |                 | Bar                   | PSI  | Bar                 | PSI   |                          |
| VI-100 R1-4  | 01-4    | 6.4  | 1/4"   | 13.3            | 225                   | 3260 | 900                 | 13050 | 100                      |
| VI-100 R1-5  | 01-5    | 7.9  | 5/16"  | 15.0            | 215                   | 3120 | 860                 | 12470 | 115                      |
| VI-100 R1-6  | 01-6    | 9.5  | 3/8"   | 17.3            | 180                   | 2610 | 720                 | 10440 | 125                      |
| VI-100 R1-8  | 01-8    | 12.7 | 1/2"   | 20.5            | 160                   | 2320 | 640                 | 9280  | 180                      |
| VI-100 R1-10 | 01-10   | 15.9 | 5/8"   | 23.6            | 130                   | 1885 | 520                 | 7540  | 200                      |
| VI-100 R1-12 | 01-12   | 19.1 | 3/4"   | 27.7            | 105                   | 1525 | 420                 | 6090  | 240                      |
| VI-100 R1-16 | 01-16   | 25.4 | 1"     | 35.8            | 88                    | 1275 | 348                 | 5046  | 300                      |
| VI-100 R1-20 | 01-20   | 31.7 | 1 1/4" | 43.7            | 63                    | 915  | 252                 | 3660  | 420                      |
| VI-100 R1-24 | 01-24   | 37.8 | 1 1/2" | 51.0            | 50                    | 725  | 200                 | 2900  | 500                      |
| VI-100 R1-32 | 01-32   | 50.4 | 2"     | 63.7            | 40                    | 580  | 160                 | 2320  | 630                      |

NOTE : Hose sizes from 1/4" to 3/4" ID available in smooth & Wrap finish.

## SAE 100 R2 AT/ 2SN EN 853 (2- WIRE BRAIDED) FLAME RESISTANCE “MSHA” COVER

- RECOMMENDED FOR : Medium Pressure Hydraulic Line. Suitable for Petroleum Based Hydraulic Fluids, Synthetic Ester, Biodegradable Hydraulic Fluids, Water-Glycol Based Fluids And Lubricating Oils
- INNER TUBE : Oil Resistant NBR (Black)
- REINFORCEMENT : Double Wire Braid of High Tensile Steel Wire
- OUTER COVER : Oil, Weather, Ozone & Abrasion Resistant Synthetic Rubber (Black)
- TEMPERATURE RANGE : - 40°C to + 100°C (Continuous). Intermittent Temperature upto + 120°C



| Product Code | Hose ID |      |        | Hose OD<br>(MM) | Max. Working Pressure |      | Min. Burst Pressure |       | Min. Bend Radius<br>(MM) |
|--------------|---------|------|--------|-----------------|-----------------------|------|---------------------|-------|--------------------------|
|              | Dash    | mm   | Inch   |                 | Bar                   | PSI  | Bar                 | PSI   |                          |
| VI-100 R2-4  | 02-4    | 6.4  | 1/4"   | 15.0            | 400                   | 5800 | 1600                | 23200 | 100                      |
| VI-100 R2-5  | 02-5    | 7.9  | 5/16"  | 16.4            | 350                   | 5075 | 1400                | 20300 | 115                      |
| VI-100 R2-6  | 02-6    | 9.5  | 3/8"   | 19.0            | 330                   | 4785 | 1320                | 19140 | 125                      |
| VI-100 R2-8  | 02-8    | 12.7 | 1/2"   | 21.9            | 275                   | 4000 | 1100                | 16000 | 180                      |
| VI-100 R2-10 | 02-10   | 15.9 | 5/8"   | 25.1            | 250                   | 3625 | 1000                | 14500 | 200                      |
| VI-100 R2-12 | 02-12   | 19.1 | 3/4"   | 29.2            | 215                   | 3120 | 860                 | 12480 | 240                      |
| VI-100 R2-16 | 02-16   | 25.4 | 1"     | 37.6            | 165                   | 2400 | 660                 | 9570  | 300                      |
| VI-100 R2-20 | 02-20   | 31.7 | 1 1/4" | 47.5            | 125                   | 1810 | 500                 | 7250  | 420                      |
| VI-100 R2-24 | 02-24   | 37.8 | 1 1/2" | 54.5            | 90                    | 1300 | 360                 | 5220  | 500                      |
| VI-100 R2-32 | 02-32   | 50.4 | 2"     | 67.0            | 80                    | 1160 | 320                 | 4640  | 630                      |

NOTE : Hose sizes from 1/4" to 3/4" ID available in smooth & Wrap finish.

## SAE 100 R6 1-YARN BRAID HYDRAULIC HOSE

- RECOMMENDED FOR : Medium Pressure Hydraulic Line. Suitable for Petroleum Based Hydraulic Fluids, Synthetic Ester, Biodegradable Hydraulic Fluids, Water-Glycol Based Fluids And Lubricating Oils
- INNER TUBE : Oil Resistant Synthetic Rubber
- REINFORCEMENT : Single Textile Braid
- OUTER COVER : Oil, Weather, Ozone & Abrasion Resistant Synthetic Rubber (Black)
- TEMPERATURE RANGE : - 40°C to + 100°C



| Product Code  | Hose ID |      |        | Hose OD | Max. Working Pressure |     | Min. Burst Pressure |      | Min. Bend Radius |
|---------------|---------|------|--------|---------|-----------------------|-----|---------------------|------|------------------|
|               | Dash    | mm   | Inch   | (MM)    | Bar                   | PSI | Bar                 | PSI  | (MM)             |
| VI-100 R6-4   | 06-4    | 6.3  | 1/4"   | 12.7    | 28                    | 406 | 112                 | 1624 | 65               |
| VI-100 R6-5   | 06-5    | 7.9  | 5/16"  | 14.2    | 28                    | 406 | 112                 | 1624 | 75               |
| VI-100 R6-6   | 06-6    | 9.5  | 3/8"   | 16.0    | 28                    | 406 | 112                 | 1624 | 75               |
| VI-100 R6-8   | 06-8    | 12.7 | 1/2"   | 19.8    | 28                    | 406 | 112                 | 1624 | 100              |
| VI-100 R6-10  | 06-10   | 15.9 | 5/8"   | 23.3    | 24                    | 348 | 96                  | 1392 | 125              |
| VI-100 R6-12  | 06-12   | 19.1 | 3/4"   | 26.2    | 21                    | 304 | 84                  | 1218 | 150              |
| VI-100 R6-16* | 06-16   | 25.4 | 1"     | 33.8    | 14                    | 203 | 56                  | 812  | 175              |
| VI-100 R6-20* | 06-20   | 31.8 | 1 1/4" | 43      | 14                    | 203 | 56                  | 812  | 225              |
| VI-100 R6-24* | 06-24   | 37.8 | 1 1/2" | 50.5    | 14                    | 203 | 56                  | 812  | 300              |
| VI-100 R6-32* | 06-32   | 50.4 | 2"     | 63.5    | 14                    | 203 | 56                  | 812  | 400              |

\* SRPPL PROPRIETARY STANDARD

## SAE 100 R3 2-YARN BRAID HYDRAULIC HOSE

- RECOMMENDED FOR : Medium Pressure Hydraulic Line. Suitable for Petroleum Based Hydraulic Fluids, Synthetic Ester, Biodegradable Hydraulic Fluids, Water-Glycol Based Fluids And Lubricating Oils
- INNER TUBE : Oil Resistant Synthetic Rubber
- REINFORCEMENT : Double Braid of High Tenacity Synthetic Yarn
- OUTER COVER : Oil, Weather, Ozone & Abrasion Resistant Synthetic Rubber (Black)
- TEMPERATURE RANGE : - 40°C to + 100°C



| Product Code  | Hose ID |      |        | Hose OD | Max. Working Pressure |      | Min. Burst Pressure |      | Min. Bend Radius |
|---------------|---------|------|--------|---------|-----------------------|------|---------------------|------|------------------|
|               | Dash    | mm   | Inch   | (MM)    | Bar                   | PSI  | Bar                 | PSI  | (MM)             |
| VI-100 R3-4   | 03-4    | 6.3  | 1/4"   | 14.9    | 87                    | 1262 | 348                 | 5048 | 75               |
| VI-100 R3-5   | 03-5    | 7.9  | 5/16"  | 17.6    | 84                    | 1218 | 336                 | 4872 | 100              |
| VI-100 R3-6   | 03-6    | 9.5  | 3/8"   | 19.2    | 78                    | 1131 | 312                 | 4524 | 100              |
| VI-100 R3-8   | 03-8    | 12.7 | 1/2"   | 23.5    | 70                    | 1015 | 280                 | 4060 | 125              |
| VI-100 R3-10  | 03-10   | 15.9 | 5/8"   | 26.9    | 61                    | 885  | 244                 | 3540 | 140              |
| VI-100 R3-12  | 03-12   | 19.1 | 3/4"   | 31.5    | 52                    | 754  | 208                 | 3016 | 150              |
| VI-100 R3-16  | 03-16   | 25.4 | 1"     | 38.0    | 39                    | 566  | 156                 | 2262 | 205              |
| VI-100 R3-20  | 03-20   | 31.8 | 1 1/4" | 45.0    | 26                    | 375  | 104                 | 1500 | 250              |
| VI-100 R3-24* | 03-24   | 37.8 | 1 1/2" | 52.0    | 17                    | 250  | 68                  | 1000 | 310              |
| VI-100 R3-32* | 03-32   | 50.4 | 2"     | 65.0    | 15                    | 215  | 60                  | 860  | 410              |

\* SRPPL PROPRIETARY STANDARD

## JACK HOSE - 2 WIRE BRAID HYDRAULIC HOSE

- RECOMMENDED FOR : For Hydraulic Jack Application.  
 INNER TUBE : Oil Resistant Synthetic Rubber  
 REINFORCEMENT : Double Braid of High Tensile Steel Wire  
 OUTER COVER : Oil, Weather & Ozone Resistant Synthetic Rubber (Black)  
 TEMPERATURE RANGE : - 40°C to + 50°C



| Product Code | Hose ID |     |      | Hose OD | Max. Working Pressure |       | Min. Burst Pressure |       | Min. Bend Radius |
|--------------|---------|-----|------|---------|-----------------------|-------|---------------------|-------|------------------|
|              | Dash    | mm  | Inch | (MM)    | Bar                   | PSI   | Bar                 | PSI   | (MM)             |
| VI-JH-4 (2W) | -4      | 6   | 1/4" | 15.0    | 725                   | 10512 | 1450                | 21025 | 110              |
| VI-JH-6 (2W) | -6      | 9.5 | 3/8" | 19.0    | 725                   | 10512 | 1450                | 21025 | 127              |

NOTE : Available in both finish (Wrap/Smooth)

## TRACTOR TROLLEY HOSE - 1 WIRE BRAID HYDRAULIC HOSE (SRPPL PROPRIETARY STANDARD)

- RECOMMENDED FOR : For Hydraulically Lifting Trolley of Tractors  
 INNER TUBE : Oil Resistant Synthetic Rubber  
 REINFORCEMENT : Single Wire Braid of High Tensile Steel Wire  
 OUTER COVER : Oil, Weather & Ozone Resistant Synthetic Rubber (Black)  
 TEMPERATURE RANGE : - 20°C to + 80°C



| Product Code  | Hose ID |    |      | Hose OD | Max. Working Pressure |      | Min. Burst Pressure |      | Min. Bend Radius |
|---------------|---------|----|------|---------|-----------------------|------|---------------------|------|------------------|
|               | Dash    | mm | Inch | (MM)    | Bar                   | PSI  | Bar                 | PSI  | (MM)             |
| VI-TTH-6 (1W) | -6      | 10 | 3/8" | 17.3    | 180                   | 2600 | 540                 | 7800 | 125              |
| VI-TTH-8 (1W) | -8      | 13 | 1/2" | 20.3    | 160                   | 2325 | 480                 | 6975 | 180              |

NOTE : Available in both finish (Wrap/Smooth)

## TRACTOR TROLLEY HOSE - 2 WIRE BRAID HYDRAULIC HOSE (SRPPL PROPRIETARY STANDARD)

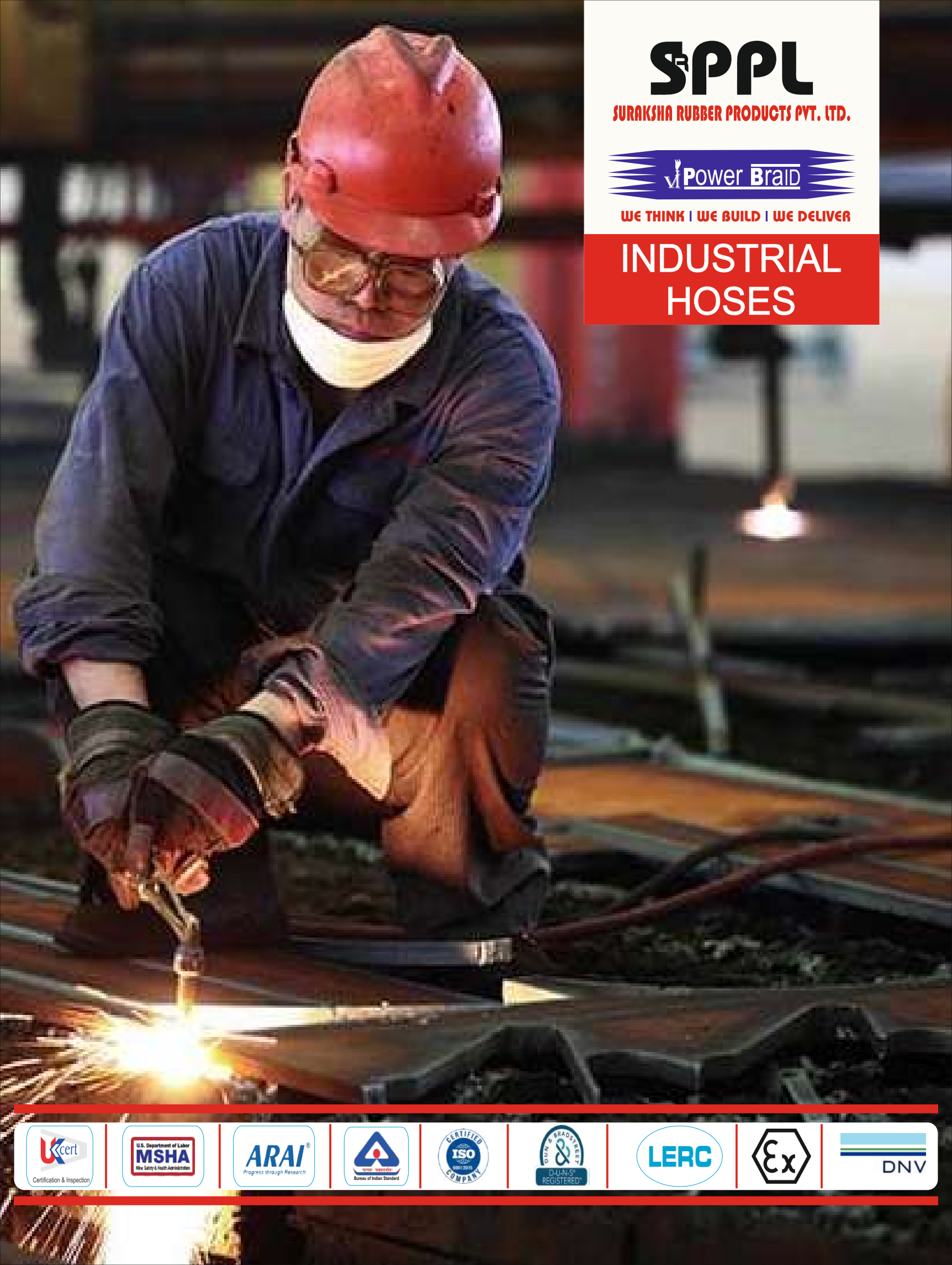
- RECOMMENDED FOR : For Hydraulically Lifting Trolley of Tractors  
 INNER TUBE : Oil Resistant Synthetic Rubber  
 REINFORCEMENT : Double Wire Braid of High Tensile Steel Wire  
 OUTER COVER : Oil, Weather & Ozone Resistant Synthetic Rubber (Black)  
 TEMPERATURE RANGE : - 20°C to + 80°C



| Product Code  | Hose ID |    |      | Hose OD | Max. Working Pressure |      | Min. Burst Pressure |       | Min. Bend Radius |
|---------------|---------|----|------|---------|-----------------------|------|---------------------|-------|------------------|
|               | Dash    | mm | Inch | (MM)    | Bar                   | PSI  | Bar                 | PSI   | (MM)             |
| VI-TTH-6 (2W) | -6      | 10 | 3/8" | 19.1    | 207                   | 3000 | 550                 | 10000 | 125              |
| VI-TTH-8 (2W) | -8      | 13 | 1/2" | 22.0    | 172                   | 2500 | 410                 | 8100  | 180              |

NOTE : Available in both finish (Wrap/Smooth)





# SPPL

SURAKSHA RUBBER PRODUCTS PVT. LTD.



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## INDUSTRIAL HOSES



Certification & Inspection



U.S. Department of Labor  
Mine Safety & Health Administration



Progress through Research



Bureau of Indian Standard



CERTIFIED  
ISO  
9001:2015  
COMPANY



DUN & BRADSTREET  
REGISTERED



LERC



Ex



DNV

## AIR WATER HOSE (IS 446 : TYPE-1/ IS 444: TYPE 2)

- RECOMMENDED FOR : Water Delivery and Air Application in Engineering, Manufacturing, Workshop, Construction Industry & Irrigation
- INNER TUBE : EPDM and other Synthetic Rubber Blend RMA Class C ( Limited Oil Resistance )
- REINFORCEMENT : One High Tenacity Synthetic Textile Braid.
- OUTER COVER : Ozone, Weather, Abrasion Resistant EPDM and Synthetic Rubber Blend Red or Black Color, Wrapped Finish.
- TEMPERATURE RANGE : - 30 °C to + 80 °C / - 22 °F to + 176 °F.



| Product Code    | Hose ID |      |        | Hose OD | Max. Working Pressure |     | Min. Burst Pressure |     | Min. Bend Radius |
|-----------------|---------|------|--------|---------|-----------------------|-----|---------------------|-----|------------------|
|                 | Dash    | mm   | Inch   | (MM)    | Bar                   | PSI | Bar                 | PSI | (MM)             |
| VI-AWH- 8 (1Y)  | -8      | 12.7 | 1/2"   | 20.5    | 14                    | 200 | 56                  | 800 | 100              |
| VI-AWH- 10 (1Y) | -10     | 15.9 | 5/8"   | 23.5    | 14                    | 200 | 56                  | 800 | 125              |
| VI-AWH- 12 (1Y) | -12     | 19.1 | 3/4"   | 28.0    | 14                    | 200 | 56                  | 800 | 150              |
| VI-AWH- 16 (1Y) | -16     | 25.4 | 1"     | 35.3    | 14                    | 200 | 56                  | 800 | 175              |
| VI-AWH- 20 (1Y) | -20     | 31.7 | 1 1/4" | 43.5    | 14                    | 200 | 56                  | 800 | 225              |
| VI-AWH- 24 (1Y) | -24     | 37.8 | 1 1/2" | 50.0    | 14                    | 200 | 56                  | 800 | 300              |
| VI-AWH- 32 (1Y) | -32     | 50.4 | 2"     | 65.0    | 14                    | 200 | 56                  | 800 | 400              |

**NOTE:** Service Temperature in excess to and MBR (Min. Bend Radius) lower than recommendation may materially reduce life of the hose. IS 444-Type 2 and ISO 1403 Type 2 ( Exceeds performance requirements.)

## PNEUMATIC TOOL HOSE (IS 446 : TYPE-2 )

- RECOMMENDED FOR : Water Delivery and Air Application in Engineering, Manufacturing, Workshop, Construction Industry & Irrigation
- INNER TUBE : EPDM and other Synthetic Rubber Blend RMA Class C ( limited oil resistance )
- REINFORCEMENT : One High Tenacity Synthetic Textile Braid.
- OUTER COVER : Ozone, Weather, Abrasion Resistant EPDM and Synthetic Rubber Blend Red or Black Color, Wrapped Finish.
- TEMPERATURE RANGE : - 30 °C to + 80 °C / - 22 °F to + 176 °F.



| Product Code    | Hose ID |      |        | Hose OD | Max. Working Pressure |     | Min. Burst Pressure |     | Min. Bend Radius |
|-----------------|---------|------|--------|---------|-----------------------|-----|---------------------|-----|------------------|
|                 | Dash    | mm   | Inch   | (MM)    | Bar                   | PSI | Bar                 | PSI | (MM)             |
| VI-AWH- 4 (1Y)  | -4      | 6.4  | 1/4"   | 13.0    | 14                    | 200 | 56                  | 800 | 65               |
| VI-AWH- 5 (1Y)  | -5      | 7.9  | 5/16"  | 14.4    | 14                    | 200 | 56                  | 800 | 75               |
| VI-AWH- 6 (1Y)  | -6      | 9.5  | 3/8"   | 16.1    | 14                    | 200 | 56                  | 800 | 75               |
| VI-AWH- 8 (1Y)  | -8      | 12.7 | 1/2"   | 19.6    | 14                    | 200 | 56                  | 800 | 100              |
| VI-AWH- 10 (1Y) | -10     | 15.9 | 5/8"   | 23.1    | 14                    | 200 | 56                  | 800 | 125              |
| VI-AWH- 12 (1Y) | -12     | 19.1 | 3/4"   | 26.6    | 14                    | 200 | 56                  | 800 | 150              |
| VI-AWH- 16 (1Y) | -16     | 25.4 | 1"     | 33.5    | 14                    | 200 | 56                  | 800 | 175              |
| VI-AWH- 20 (1Y) | -20     | 31.7 | 1 1/4" | 42      | 14                    | 200 | 56                  | 800 | 225              |
| VI-AWH- 24 (1Y) | -24     | 37.8 | 1 1/2" | 49      | 14                    | 200 | 56                  | 800 | 300              |
| VI-AWH- 32 (1Y) | -32     | 50.4 | 2"     | 62      | 14                    | 200 | 56                  | 800 | 400              |

**NOTE:** Service Temperature in excess to and MBR (Min. Bend Radius) Lower than recommendation may materially reduce life of the hose.

## MULTIPURPOSE HOSE - YARN BRAID (SRPPL STD)

RECOMMENDED FOR : Suitable for Agriculture, Spray Painting, Water Oil or Grease Transfer etc. Applications  
 INNER TUBE : Synthetic Rubber Blend (Black)  
 REINFORCEMENT : Single or Double Braid of High tenacity Yarn  
 OUTER COVER : Oil & Abrasion Resistance Synthetic Rubber (Black)  
 TEMPERATURE RANGE : - 40°C to + 80°C  
 All sizes Wrap Finish. Available in Yellow, Red & Blue color on Demand.



| Product Code | Hose ID |       |        | Hose OD | Max. Working Pressure |     | Min. Burst Pressure |      | Min. Bend Radius |
|--------------|---------|-------|--------|---------|-----------------------|-----|---------------------|------|------------------|
|              | Dash    | mm    | Inch   | (MM)    | Bar                   | PSI | Bar                 | PSI  | (MM)             |
| VI-MPH-4(Y)  | -4      | 6.40  | 1/4"   | 13.5    | 21                    | 300 | 84                  | 1200 | 65               |
| VI-MPH-5(Y)  | -5      | 7.90  | 5/16"  | 15.5    | 21                    | 300 | 84                  | 1200 | 75               |
| VI-MPH-6(Y)  | -6      | 9.50  | 3/8"   | 17.5    | 21                    | 300 | 84                  | 1200 | 75               |
| VI-MPH-8(Y)  | -8      | 12.70 | 1/2"   | 22.0    | 21                    | 300 | 84                  | 1200 | 100              |
| VI-MPH-10(Y) | -10     | 15.90 | 5/8"   | 25.0    | 21                    | 300 | 84                  | 1200 | 125              |
| VI-MPH-12(Y) | -12     | 19.00 | 3/4"   | 28.0    | 21                    | 300 | 84                  | 1200 | 150              |
| VI-MPH-16(Y) | -16     | 25.40 | 1"     | 35.5    | 21                    | 300 | 84                  | 1200 | 175              |
| VI-MPH-20(Y) | -20     | 31.8  | 1 1/4" | 43.5    | 21                    | 300 | 84                  | 1200 | 225              |
| VI-MPH-24(Y) | -24     | 38.1  | 1 1/2" | 50.5    | 21                    | 300 | 84                  | 1200 | 300              |
| VI-MPH-32(Y) | -32     | 50.0  | 2"     | 64.0    | 21                    | 300 | 84                  | 1200 | 400              |

## CO<sub>2</sub> FIRE EXTINGUISHING HOSE SRPPL PROPRIETARY STANDARD

RECOMMENDED FOR : For fire extinguishing application using CO<sub>2</sub> as extinguishing element for Class B Fires: These involve flammable or combustible solvents, propane, butane, and petrol. Common examples are due to lit thrown cigarette butts or machinery sparks that come into contact with flammable liquids.  
 Class E Fires (Most Used): These involve electrical equipment such as heaters, fans, Kitchens, and electronics found in workplaces, laboratories, and electronics at homes. A Common example involves fires due to overheating of appliances.  
 INNER TUBE : Gas and particularly Carbon Dioxide Resistant Synthetic Rubber Blend.  
 REINFORCEMENT : High Tensile Carbon Steel Wire Braid.  
 OUTER COVER : Weather & Abrasion Resistant Synthetic Rubber Blend. Wrapped finish.  
 TEMPERATURE RANGE : For CO<sub>2</sub> gas: - 30 °C to + 70 °C / - 86 °F to + 158 °F.  
 Up to 100 °C / 248 °F maximum for 10% of total working hrs.



| Product Code       | Hose ID |    |      | Hose OD | Max. Working Pressure |      | Min. Burst Pressure |      | Min. Bend Radius |
|--------------------|---------|----|------|---------|-----------------------|------|---------------------|------|------------------|
|                    | Dash    | DN | Inch | (MM)    | Bar                   | PSI  | Bar                 | PSI  | (MM)             |
| VI-CFEH-6 (1W-SPL) | -6      | 10 | 3/8" | 17      | 105                   | 1525 | 420                 | 6100 | 110              |

**Note:** 1. Service temperature in excess of 100°C / 212 °F and Minimum Bend Radius lower than recommendation may materially reduce life of the hose.  
 2. Available in both Wrap / Smooth Finish



## ROCK DRILL HOSE - YARN BRAID MEET/EXCEEDS IS 446 TYPE 3

- RECOMMENDED FOR : Heavy Duty Pneumatic Application in Industry, Construction, Open Cast Minies & Quarries
- INNER TUBE : Oil Resistance Modified NBR (Black)
- REINFORCEMENT : Single & Double Braid of High Tenacity Yarn
- OUTER COVER : Oil, Abrasion Resiatant Modified NBR (Black)
- TEMPERATURE RANGE : - 40°C to + 80°C



| Product Code  | Hose ID |      |        | Hose OD | Max. Working Pressure |     | Min. Burst Pressure |      | Min. Bend Radius |
|---------------|---------|------|--------|---------|-----------------------|-----|---------------------|------|------------------|
|               | Dash    | mm   | Inch   | (MM)    | Bar                   | PSI | Bar                 | PSI  | (MM)             |
| VI-RDH-8-(Y)  | -8      | 12.7 | 1/2"   | 21.2    | 21                    | 300 | 84                  | 1200 | 125              |
| VI-RDH-12-(Y) | -12     | 19.0 | 3/4"   | 27.7    | 21                    | 300 | 84                  | 1200 | 150              |
| VI-RDH-16-(Y) | -16     | 25.4 | 1"     | 36.0    | 21                    | 300 | 84                  | 1200 | 200              |
| VI-RDH-20-(Y) | -20     | 32.0 | 1 1/4" | 43.0    | 14                    | 200 | 56                  | 800  | 250              |
| VI-RDH-24-(Y) | -24     | 38.1 | 1 1/2" | 50.5    | 14                    | 200 | 56                  | 800  | 275              |
| VI-RDH-32-(Y) | -32     | 50.0 | 2"     | 63.5    | 14                    | 200 | 56                  | 800  | 300              |

## ROCK DRILL HOSE - WIRE BRAID MEET / EXCEEDS IS 446 TYPE 3

- RECOMMENDED FOR : Heavy Duty Pneumatic Application in Industry, Construction, Open Cast Minies & Quarries
- INNER TUBE : Oil Resistance Modified NBR (Black)
- REINFORCEMENT : Single Braid of High Tenacity Wire
- OUTER COVER : Oil, Abrasion Resistant Modified NBR (Black)
- TEMPERATURE RANGE : - 40°C to + 80°C



| Product Code  | Hose ID |      |        | Hose OD | Max. Working Pressure |     | Min. Burst Pressure |      | Min. Bend Radius |
|---------------|---------|------|--------|---------|-----------------------|-----|---------------------|------|------------------|
|               | Dash    | mm   | Inch   | (MM)    | Bar                   | PSI | Bar                 | PSI  | (MM)             |
| VI-RDH-8-(W)  | -8      | 12.7 | 1/2"   | 21.0    | 35                    | 500 | 140                 | 2000 | 125              |
| VI-RDH-12-(W) | -12     | 20.0 | 3/4"   | 28.3    | 35                    | 500 | 140                 | 2000 | 150              |
| VI-RDH-16-(W) | -16     | 25.4 | 1"     | 35.5    | 35                    | 500 | 140                 | 2000 | 200              |
| VI-RDH-20-(W) | -20     | 32.0 | 1 1/4" | 43.0    | 35                    | 500 | 140                 | 2000 | 250              |
| VI-RDH-24-(W) | -24     | 38.1 | 1 1/2" | 50.5    | 35                    | 500 | 140                 | 2000 | 275              |
| VI-RDH-32-(W) | -32     | 50.0 | 2"     | 63.5    | 35                    | 500 | 140                 | 2000 | 300              |

## CARBON FREE HOSE ( SRPPL PROPRIETARY STANDARD)



- RECOMMENDED FOR : Furnace Door Coolant, Electrical Cable Coolant for Electric Arc Furnace in Steel Industry and other Non-conductive Application.
- INNER TUBE : Off White Specially Compounded Non-Conductive Synthetic Rubber Blend.
- REINFORCEMENT : Single Tenacity Synthetic Textile Braid.
- OUTER COVER : Green Weather and Ozone Resistant Synthetic Rubber Blend.
- TEMPERATURE RANGE : For - 40 °C to + 100 °C

| Product Code    | Hose ID |      |        | Hose OD | Max. Working Pressure |     | Min. Burst Pressure |      | Min. Bend Radius |
|-----------------|---------|------|--------|---------|-----------------------|-----|---------------------|------|------------------|
|                 | DASH    | mm   | Inch   | (MM)    | Bar                   | PSI | Bar                 | PSI  | (MM)             |
| VI-CFH- 6 (1Y)  | -6      | 9.5  | 3/8"   | 17.0    | 17                    | 250 | 68                  | 1000 | 90               |
| VI-CFH- 8 (1Y)  | -8      | 12.5 | 1/2"   | 21.5    | 17                    | 250 | 68                  | 1000 | 100              |
| VI-CFH- 10 (1Y) | -10     | 16.0 | 5/8"   | 26.0    | 17                    | 250 | 68                  | 1000 | 125              |
| VI-CFH- 12 (1Y) | -12     | 19.0 | 3/4"   | 30.5    | 17                    | 250 | 68                  | 1000 | 150              |
| VI-CFH- 16 (1Y) | -16     | 25.0 | 1"     | 37.5    | 17                    | 250 | 68                  | 1000 | 177              |
| VI-CFH- 20 (1Y) | -20     | 32.0 | 1 1/4" | 45.2    | 17                    | 250 | 68                  | 1000 | 225              |
| VI-CFH- 24 (1Y) | -24     | 38.0 | 1 1/2" | 53.5    | 17                    | 250 | 68                  | 1000 | 300              |
| VI-CFH- 32 (1Y) | -32     | 50.0 | 2"     | 66.0    | 14                    | 200 | 56                  | 800  | 400              |

## STEAM HOSE - TYPE - 1

### IS 10655:2022 - TYPE 1 , 6134:2017- TYPE-1 & BS 5342

- RECOMMENDED FOR : Oily products in Refining & Petrochemical, Ship Building Markets etc.
- INNER TUBE : Especially Compounded for Steam Heat Resistant EPDM Rubber
- REINFORCEMENT : Single High Tensile Synthetic Textile Braid.
- OUTER COVER : Weather and Heat Resistant Specially Compounded EPDM Rubber. Pin Pricked. Red/Black Cover.
- TEMPERATURE RANGE : Maximum operating temperature 164°C ( 365°F )



| Product Code  | Hose ID |      |        | Hose OD | Max. Working Pressure |     | Min. Burst Pressure |     | Min. Bend Radius |
|---------------|---------|------|--------|---------|-----------------------|-----|---------------------|-----|------------------|
|               | DN      | mm   | Inch   | (MM)    | Bar                   | PSI | Bar                 | PSI | (MM)             |
| VI-SH-6 (1Y)  | -6      | 9.5  | 3/8"   | 18.90   | 6                     | 90  | 60                  | 870 | 125              |
| VI-SH-8 (1Y)  | -8      | 12.5 | 1/2"   | 22.0    | 6                     | 90  | 60                  | 870 | 180              |
| VI-SH-10 (1Y) | -10     | 16.0 | 5/8"   | 25.4    | 6                     | 90  | 60                  | 870 | 200              |
| VI-SH-12 (1Y) | -12     | 19.0 | 3/4"   | 28.70   | 6                     | 90  | 60                  | 870 | 240              |
| VI-SH-16 (1Y) | -16     | 25.0 | 1"     | 35.90   | 6                     | 90  | 60                  | 870 | 300              |
| VI-SH-20 (1Y) | -20     | 32.0 | 1 1/4" | 43.50   | 6                     | 90  | 60                  | 870 | 400              |
| VI-SH-24 (1Y) | -24     | 38.0 | 1 1/2" | 50.50   | 6                     | 90  | 60                  | 870 | 500              |
| VI-SH-32 (1Y) | -32     | 50.0 | 2"     | 63.50   | 6                     | 90  | 60                  | 870 | 650              |

**Note:** Service temperature in excess of and Minimum Bend Radius lower than recommendation may materially reduce life of the hose.

## HEAVY DUTY STEAM HOSE - DOUBLE WIRE BRAIDED (+ 210° C)

### IS 10655 TYPE 3/ BS-5342 TYPE 2

- RECOMMENDED FOR : Used in Refineries, Shipyards, Chemical Plants, Steel Mills, Foundries and Heavy Industrial Application
- INNER TUBE : Heat Resistant EPDM Rubber (Black)
- REINFORCEMENT : Double Braid of High Tensile Steel Wire
- OUTER COVER : Heat Resistant EPDM Rubber (Black)
- TEMPERATURE RANGE : Maximum Operating Temperature + 210° C (410° F)



| Product Code    | Hose ID |      |        | Hose OD | Max. Working Pressure |     | Min. Burst Pressure |      | Min. Bend Radius |
|-----------------|---------|------|--------|---------|-----------------------|-----|---------------------|------|------------------|
|                 | Dash    | mm   | Inch   | (MM)    | Bar                   | PSI | Bar                 | PSI  | (MM)             |
| VI-HDSH-6-(2W)  | -6      | 9.5  | 3/8"   | 21.0    | 18                    | 260 | 180                 | 2610 | 125              |
| VI-HDSH-8-(2W)  | -8      | 12.5 | 1/2"   | 24.8    | 18                    | 260 | 180                 | 2610 | 180              |
| VI-HDSH-10-(2W) | -10     | 16.0 | 5/8"   | 27.6    | 18                    | 260 | 180                 | 2610 | 200              |
| VI-HDSH-12-(2W) | -12     | 20.0 | 3/4"   | 30.9    | 18                    | 260 | 180                 | 2610 | 240              |
| VI-HDSH-16-(2W) | -16     | 25.0 | 1"     | 39.5    | 18                    | 260 | 180                 | 2610 | 300              |
| VI-HDSH-20-(2W) | -20     | 32.0 | 1 1/4" | 46.0    | 18                    | 260 | 180                 | 2610 | 400              |
| VI-HDSH-24-(2W) | -24     | 38.0 | 1 1/2" | 54.3    | 18                    | 260 | 180                 | 2610 | 500              |
| VI-HDSH-32-(2W) | -32     | 50.0 | 2"     | 67.5    | 18                    | 260 | 180                 | 2610 | 650              |

**Note:** Service temperature in excess of and Minimum Bend Radius lower than recommendation may materially reduce life of the hose.



## SUPER SPRAY HOSE EXCEEDS IS 1677 TYPE 4

- RECOMMENDED FOR : Suitable for Use in Automobile Service Station for Pressurised Water Application.
- INNER TUBE : Synthetic Rubber Blend (Black)
- REINFORCEMENT : Double Braid of High Tenacity Yarn
- OUTER COVER : Oil & Abrasion Resistance Synthetic Rubber (Black)
- TEMPERATURE RANGE : - 40°C to + 80° C



| Product Code  | Hose ID |    |      | Hose OD<br>(MM) | Max. Working Pressure |     | Min. Burst Pressure |      | Min. Bend Radius<br>(MM) |
|---------------|---------|----|------|-----------------|-----------------------|-----|---------------------|------|--------------------------|
|               | Dash    | mm | Inch |                 | Bar                   | PSI | Bar                 | PSI  |                          |
| VI-SSH-6-(2Y) | -6      | 10 | 3/8" | 21.0            | 50                    | 750 | 150                 | 2250 | 100                      |
| VI-SSH-8-(2Y) | -8      | 13 | 1/2" | 24.6            | 50                    | 750 | 150                 | 2250 | 125                      |

Note : All sizes are in Wrap Finish only.

## CAR WASH HOSE - YARN BRAID EXCEEDS IS 444- TYPE 3P (TEXTILE)

- RECOMMENDED FOR : Suitable for Use in Automobile Service Station for Pressurised Water Application.
- INNER TUBE : Synthetic Rubber Blend (Black)
- REINFORCEMENT : Single Braid of High Tenacity Yarn
- OUTER COVER : Oil & Abrasion Resistance Synthetic Rubber (Black)
- TEMPERATURE RANGE : - 40°C to + 80° C



| Product Code | Hose ID |    |      | Hose OD<br>(MM) | Max. Working Pressure |     | Min. Burst Pressure |      | Min. Bend Radius<br>(MM) |
|--------------|---------|----|------|-----------------|-----------------------|-----|---------------------|------|--------------------------|
|              | Dash    | mm | Inch |                 | Bar                   | PSI | Bar                 | PSI  |                          |
| VI-CW-6-(1Y) | -6      | 10 | 3/8" | 19              | 28                    | 400 | 112                 | 1600 | 75                       |
| VI-CW-8-(1Y) | -8      | 13 | 1/2" | 23.0            | 28                    | 400 | 112                 | 1600 | 100                      |

## WATER SPRAY HOSE : 120 PSI

- RECOMMENDED FOR : General Low pressure Water Spray with Mild Chemical & Detergent etc. .
- INNER TUBE : EPDM and other Synthetic Rubber Blend. RMA -Class C ( limited oil resistance )
- REINFORCEMENT : Single High Tenacity Synthetic Textile Braid.
- OUTER COVER : Ozone, Weather, Abrasion Resistant EPDM and other Synthetic Rubber Blend. Red color Wrapped finish.
- TEMPERATURE RANGE : - 30 °C to + 80 °C / - 22°F to + 176° F



| Product Code       | Hose ID |      |       | Hose OD<br>(MM) | Max. Working Pressure |     | Min. Burst Pressure |     | Min. Bend Radius<br>(MM) |
|--------------------|---------|------|-------|-----------------|-----------------------|-----|---------------------|-----|--------------------------|
|                    | Dash    | mm   | Inch  |                 | Bar                   | PSI | Bar                 | PSI |                          |
| VI-WSH-9 (1Y)- SPL | -9      | 14.5 | 9/16" | 22.5            | 8                     | 120 | 32                  | 480 | 112                      |

NOTE: Service temperature in excess of and Minimum Bend Radius lower than recommendation may materially reduce life of the hose.

## SAND BLAST HOSE 10 BAR EXCEEDS IS 5894

- RECOMMENDED FOR : For Cleaning /Blasting Metal, Stone & Concrete Surfaces with Sand, Garnet & other Abrasive Material
- INNER TUBE : Extra Thick Tube (>6.0mm) Very High Abrasion Resistance Seamless Tube, NR/SBR (Black)
- REINFORCEMENT : Yarn Braided with Static Copper Wire to Dissipate Static Charge
- OUTER COVER : Abrasion Resistance Cover NR/SBR (Black)
- TEMPERATURE RANGE : -40° C to + 70° C



| Product Code   | Hose ID |      |        | Hose OD<br>(MM) | Max. Working Pressure |     | Min. Burst Pressure |     | Min. Bend Radius<br>(MM) |
|----------------|---------|------|--------|-----------------|-----------------------|-----|---------------------|-----|--------------------------|
|                | Dash    | mm   | Inch   |                 | Bar                   | PSI | Bar                 | PSI |                          |
| VI-SBH-12-(2Y) | -12     | 20.0 | 3/4"   | 35.20           | 10                    | 145 | 40                  | 580 | 200                      |
| VI-SBH-16-(2Y) | -16     | 25.0 | 1"     | 40.20           | 10                    | 145 | 40                  | 580 | 300                      |
| VI-SBH-20-(2Y) | -20     | 31.7 | 1 1/4" | 50.5            | 10                    | 145 | 40                  | 580 | 450                      |
| VI-SBH-24-(2Y) | -24     | 38.0 | 1 1/2" | 57.7            | 10                    | 145 | 40                  | 580 | 550                      |
| VI-SBH-32-(2Y) | -32     | 50.0 | 2"     | 69.0            | 10                    | 145 | 40                  | 580 | 650                      |

Note : All sizes Wrap Finish. Also Available with Conducting Tube & Cover on Demand.

## SAND BLAST SUPREME HOSE 12 BAR EXCEEDS IS 5894

- RECOMMENDED FOR : For Cleaning /Blasting Metal, Stone & Concrete Surfaces with Sand, Garnet & other Abrasive Material
- INNER TUBE : Very High Abrasion Resistance Seamless Tube, NR/SBR (Black)
- REINFORCEMENT : Yarn Braided with Static Copper wire to Dissipate Static Charge
- OUTER COVER : Abrasion Resistance Cover NR/SBR (Black)
- TEMPERATURE RANGE : -40° C to + 80° C



| Product Code    | Hose ID |      |      | Hose OD<br>(MM) | Max. Working Pressure |     | Min. Burst Pressure |     | Min. Bend Radius<br>(MM) |
|-----------------|---------|------|------|-----------------|-----------------------|-----|---------------------|-----|--------------------------|
|                 | Dash    | mm   | Inch |                 | Bar                   | PSI | Bar                 | PSI |                          |
| VI-SSBH-12-(1W) | -12     | 20.0 | 3/4" | 33.00           | 12                    | 175 | 48                  | 700 | 175                      |
| VI-SSBH-16-(1W) | -16     | 25.0 | 1"   | 39.00           | 12                    | 175 | 48                  | 700 | 225                      |

Note : All sizes Wrap Finish. Also available with Conducting Tube & Cover on Demand.

## FUEL DISPENSING HOSE (EN 1360 - TYPE 3 M) (ATEX UK CERTIFIED)

- RECOMMENDED FOR : Dispensing of all types of Gasoline /Petrol and Diesel in Service Stations and all types of Dispensing Pumps.
- INNER TUBE : Black Oil & Gasoline Resistant Synthetic Rubber Blend.
- REINFORCEMENT : Single High Tensile Carbon Steel Wire Braid.
- OUTER COVER : Oil, Weather, Abrasion, Ozone and Heat Resistant Synthetic Rubber Blend. Wrapped finish.
- TEMPERATURE RANGE : - 30°C to + 60°C / - 22°F to + 140°F



| Product Code   | Hose ID |      |      | Hose OD | Max. Working Pressure |     | Min. Burst Pressure |     | Min. Bend Radius |
|----------------|---------|------|------|---------|-----------------------|-----|---------------------|-----|------------------|
|                | Dash    | mm   | Inch | (MM)    | Bar                   | PSI | Bar                 | PSI | (MM)             |
| VI-FDH-8 (1W)  | -8      | 12.5 | 1/2" | 21      | 16                    | 240 | 64                  | 960 | 60               |
| VI-FDH-10 (1W) | -10     | 16.0 | 5/8" | 25.4    | 16                    | 240 | 64                  | 960 | 80               |
| VI-FDH-12 (1W) | -12     | 19.0 | 3/4" | 28.7    | 16                    | 240 | 64                  | 960 | 100              |
| VI-FDH-16 (1W) | -16     | 25.0 | 1"   | 35.1    | 16                    | 240 | 64                  | 960 | 150              |

**NOTE:** Service Temperature is excess of and Minimum Bend Radius Lower than recommendation may materially reduce life of the hose.

## WELDING HOSE (IS 447:1988)

- RECOMMENDED FOR : For Gas Welding / Cutting in Fabrication
- INNER TUBE : Synthetic Rubber Blend (Black)
- REINFORCEMENT : Single Braid of High Tenacity Yarn
- OUTER COVER : Weather & Abrasion Resistance Synthetic Rubber (Red & Blue)
- TEMPERATURE RANGE : -40° C to + 80° C



All sizes are in Wrap Finish only.

| Product Code | Hose ID |      |       | Hose OD | Max. Working Pressure |     | Min. Burst Pressure |     | Min. Bend Radius |
|--------------|---------|------|-------|---------|-----------------------|-----|---------------------|-----|------------------|
|              | Dash    | mm   | Inch  | (MM)    | Bar                   | PSI | Bar                 | PSI | (MM)             |
| VI-WH-5-(1Y) | -5      | 8    | 5/16" | 15.0    | 21                    | 300 | 63                  | 900 | 85               |
| VI-WH-6-(1Y) | -6      | 10   | 3/8"  | 17.5    | 21                    | 300 | 63                  | 900 | 100              |
| VI-WH-8-(1Y) | -8      | 12.5 | 1/2"  | 21.0    | 21                    | 300 | 63                  | 900 | 120              |





# AUTOMOTIVE HOSE



## CNG HOSE (ARAI APPROVED) (IS 15722: 2006-TYPE-2, CLASS-1 & SAE J30 R6)

- RECOMMENDED FOR** : Low-Pressure Flexible Fuel Line with End Connections Of CNG onboard Fuel System Components, Intended for Use On Motor Vehicles Defined In Is 14272 (part 1), Two Wheelers and Construction Equipment Vehicles (CEV).
- INNER TUBE** : CNG, Advanced Gasoline and Other Fuel Resistant Synthetic Rubber Blend.
- REINFORCEMENT** : Single High Tensile Synthetic Textile Braid.
- OUTER COVER** : Weather, Abrasion, Ozone And Heat Resistant Specially Compounded CSM Rubber Blend.
- TEMPERATURE RANGE** : -40 °C to +100 °C / -40 °F to + 212 °F.



| Product Code   | Hose ID |      |       | Hose OD | Max. Working Pressure |     | Min. Burst Pressure |     | Min. Bend Radius |
|----------------|---------|------|-------|---------|-----------------------|-----|---------------------|-----|------------------|
|                | Dash    | mm   | Inch  | (MM)    | Bar                   | PSI | Bar                 | PSI | (MM)             |
| VI-CNG-3 (1Y)  | -3      | 4.7  | 3/16" | 11.1    | 21                    | 305 | 48                  | 700 | 54               |
| VI-CNG-4 (1Y)  | -4      | 6.3  | 1/4"  | 12.7    | 21                    | 305 | 48                  | 700 | 66               |
| VI-CNG-5 (1Y)  | -5      | 7.9  | 5/16" | 14.3    | 21                    | 305 | 48                  | 700 | 74               |
| VI-CNG-6 (1Y)  | -6      | 9.5  | 3/8"  | 16.0    | 21                    | 305 | 48                  | 700 | 82               |
| VI-CNG-8 (1Y)  | -8      | 12.7 | 1/2"  | 20.0    | 21                    | 305 | 48                  | 700 | 103              |
| VI-CNG-10 (1Y) | -10     | 15.4 | 5/8"  | 23.8    | 21                    | 305 | 48                  | 700 | 125              |
| VI-CNG-12 (1Y) | -12     | 19.1 | 3/4"  | 28.6    | 21                    | 305 | 48                  | 700 | 152              |
| VI-CNG-16 (1Y) | -16     | 25.4 | 1"    | 35.0    | 21                    | 305 | 48                  | 700 | 178              |

## GOVERNOR HOSE (SRPPL STD)

- RECOMMENDED FOR** : Automotive Fuel Governor Application.
- INNER TUBE** : Synthetic Rubber, Resistant to Oil & Petroleum Based Fuel. ( Nitrile)
- REINFORCEMENT** : Single Braid High Tensile Steel Wire
- OUTER COVER** : Oil, Weather & Abrasion Resistant Synthetic Rubber
- TEMPERATURE RANGE** : -40°C to +55°C



| Product Code      | Hose ID |      |      | Hose OD | Max. Working Pressure |     | Min. Burst Pressure |     | Min. Bend Radius |
|-------------------|---------|------|------|---------|-----------------------|-----|---------------------|-----|------------------|
|                   | Dash    | mm   | Inch | (MM)    | Bar                   | PSI | Bar                 | PSI | (MM)             |
| VI-GOV-4 (1W.SPL) | -4      | 6.30 | 1/4" | 12.8    | 7                     | 100 | 28                  | 400 | 65               |

## AUTOMOTIVE AIR BREAK HOSE ( SAE J 1402 TABLE A )



- RECOMMENDED FOR** : Automotive air Brake Systems including Flexible connections from Frame to Axle, Tractor to Trailer, Trailer to Trailer and other Unshielded Air lines that are exposed to potential pull or impact.
- INNER TUBE** : Compressed Air and Heat Resistance Specially Compounded Synthetic Rubber Blend.
- REINFORCEMENT** : One High Tensile Synthetic Textile Braid.
- OUTER COVER** : Weather, Abrasion, Ozone and Heat Resistant Specially Compounded CR Rubber Blend.
- TEMPERATURE RANGE** : Compressed Air: - 40 °C to + 100 °C / - 40 °F to + 212 °F.

| Product Code    | Hose ID |      |       | Hose OD | Max. Working Pressure |     | Min. Burst Pressure |     | Min. Bend Radius |
|-----------------|---------|------|-------|---------|-----------------------|-----|---------------------|-----|------------------|
|                 | Dash    | mm   | Inch  | (MM)    | Bar                   | PSI | Bar                 | PSI | (MM)             |
| VI-AABH-4 (1Y)  | -4      | 6.3  | 1/4"  | 15.5    | 10                    | 150 | 60                  | 900 | 64               |
| VI-AABH-5 (1Y)  | -5      | 8.0  | 5/16" | 17.0    | 10                    | 150 | 60                  | 900 | 76               |
| VI-AABH-6 (1Y)  | -6      | 10.0 | 3/8"  | 19.0    | 10                    | 150 | 60                  | 900 | 89               |
| VI-AABH-7 (1Y)  | -7      | 11.5 | 7/16" | 21.0    | 10                    | 150 | 60                  | 900 | 102              |
| VI-AABH-8 (1Y)  | -8      | 12.5 | 1/2"  | 22.2    | 10                    | 150 | 60                  | 900 | 102              |
| VI-AABH-10 (1Y) | -10     | 16.0 | 5/8"  | 26.5    | 10                    | 150 | 60                  | 900 | 114              |





LPG HOSE  
DOMESTIC & INDUSTRIAL  
SEGMENT



EASILY AVAILABLE  
AVAILABLE OVER THE COUNTRY  
WITH 100% ANY PROOF OF IDENTITY

BEST QUALITY  
OF ASSURANCE OF SAFETY,  
QUALITY & QUANTITY

EASY TO CARRY  
LIGHT WEIGHT AND  
PORTABLE CYLINDER

EASYN POCKET  
AFFORDABLE REFILLS WITH  
NOY BACK OPTION ON RETURN

5KG  
LPG CYLINDER



## Commercial / Industrial LPG Hose (IS 9573 : Part 1) LERC & BIS APPROVED

RECOMMENDED FOR : Transfer of LPG, Liquid or, Gaseous Natural Gases  
 INNER TUBE : LPG & Natural Gas Resistance NBR (Black)  
 REINFORCEMENT : Single Braid of High Tensile Steel Wire  
 OUTER COVER : Excellent Abrasion, Weather & LPG Resistant Synthetic Rubber (BLACK)  
 TEMPERATURE RANGE : - 40°C to + 70°C



| Product Code      | Hose ID      |               | Hose OD | Max. Working Pressure |     | Min. Burst Pressure |      | Min. Bend Radius |
|-------------------|--------------|---------------|---------|-----------------------|-----|---------------------|------|------------------|
|                   | Nominal Size | Bore Diameter | (MM)    | Bar                   | PSI | Bar                 | PSI  | (MM)             |
| VI-LPGH-9573-1-6  | 6            | 6.5           | 12.0    | 25                    | 363 | 100                 | 1450 | 70               |
| VI-LPGH-9573-1-8  | 8            | 8.3           | 14.9    | 25                    | 363 | 100                 | 1450 | 95               |
| VI-LPGH-9573-1-10 | 10           | 10.7          | 17.3    | 25                    | 363 | 100                 | 1450 | 120              |
| VI-LPGH-9573-1-12 | 12           | 13.2          | 22.7    | 25                    | 363 | 100                 | 1450 | 150              |
| VI-LPGH-9573-1-15 | 15           | 15.5          | 24.0    | 25                    | 363 | 100                 | 1450 | 120              |
| VI-LPGH-9573-1-16 | 16           | 16.4          | 25.9    | 25                    | 363 | 100                 | 1450 | 185              |
| VI-LPGH-9573-1-19 | 19           | 19.2          | 28.7    | 25                    | 363 | 100                 | 1450 | 225              |
| VI-LPGH-9573-1-22 | 22           | 22.7          | 35.2    | 25                    | 363 | 100                 | 1450 | 260              |
| VI-LPGH-9573-1-25 | 25           | 25.5          | 38.0    | 25                    | 363 | 100                 | 1450 | 300              |

## Domestic LPG Hose (IS 9573 : Part 2) LERC & BIS Approved

RECOMMENDED FOR : Low Pressure – LPG Application  
 INNER TUBE : Synthetic Rubber, Resistant to LPG.  
 REINFORCEMENT : Single Braid of High Tensile Steel Wire  
 OUTER COVER : Perforated Orange Colour Synthetic Rubber for Oil , Weather & Ozone Resistance  
 TEMPERATURE RANGE : - 40°C TO + 70°C



| Product Code    | Hose ID |     |       | Hose OD | Max. Working Pressure |     | Min. Burst Pressure |     | Min. Bend Radius |
|-----------------|---------|-----|-------|---------|-----------------------|-----|---------------------|-----|------------------|
|                 | Dash    | mm  | Inch  | (MM)    | Bar                   | PSI | Bar                 | PSI | (MM)             |
| VI-LPG-9573-2-5 | -8      | 8.3 | 5/16" | 15.0    | 10                    | 145 | 40                  | 580 | 95               |

Note : All sizes are Wrap Finish.

## LPG HOSE (BS EN 1762 TYPE - D) / BS 4089

- RECOMMENDED FOR : Transfer of LPG, Liquid Natural Gases in Industries  
 INNER TUBE : Specially Compounded N-pentane Resistance NBR (black)  
 REINFORCEMENT : Single Braid of High Tensile Steel Wire  
 OUTER COVER : Excellent Abrasion, Weather & LPG Resistant Synthetic Rubber  
 TEMPERATURE RANGE : - 40°C TO + 70°C



| Product Code         | Hose ID |      |        | Hose OD | Max. Working Pressure |     | Min. Burst Pressure |      | Min. Bend Radius |
|----------------------|---------|------|--------|---------|-----------------------|-----|---------------------|------|------------------|
|                      | Dash    | mm   | Inch   | (MM)    | Bar                   | PSI | Bar                 | PSI  | (MM)             |
| VI-LPGH-8-1762 (1W)  | -8      | 12.5 | 1/2"   | 22.5    | 25                    | 360 | 100                 | 1450 | 100              |
| VI-LPGH-10-1762 (1W) | -10     | 16.0 | 5/8"   | 25.9    | 25                    | 360 | 100                 | 1450 | 125              |
| VI-LPGH-12-1762 (1W) | -12     | 20.0 | 3/4"   | 31.0    | 25                    | 360 | 100                 | 1450 | 160              |
| VI-LPGH-16-1762 (1W) | -16     | 25.0 | 1"     | 38.0    | 25                    | 360 | 100                 | 1450 | 200              |
| VI-LPGH-20-1762 (1W) | -20     | 32.0 | 1 1/4" | 45.0    | 25                    | 360 | 100                 | 1450 | 250              |
| VI-LPGH-24-1762 (1W) | -24     | 38.0 | 1 1/2" | 52.0    | 25                    | 360 | 100                 | 1450 | 320              |
| VI-LPGH-32-1762 (1W) | -32     | 67.0 | 2"     | 67.0    | 25                    | 360 | 100                 | 1450 | 400              |

Note : All sizes are Wrap Finish.

## GREEN TUBE (IS 10908:1991)

- RECOMMENDED FOR : LPG Vapour Phase and LPG / Air Installation for Applications  
 Not Exceeding 2.5 Bar Working Pressure.  
 TUBE : Green, Smooth Synthetic Rubber Compound  
 Resistant to Propane, Butane And A Mixture (LPG) of the two.  
 TEMPERATURE RANGE : -25°C to +60°C



| Product Code | Tube ID | Tube OD | Max. Working Pressure |       | Min. Bend Radius |
|--------------|---------|---------|-----------------------|-------|------------------|
|              | mm      | (MM)    | Bar                   | PSI   | (MM)             |
| VI 10908-6.4 | 6.4     | 12.5    | 0.05                  | 0.725 | 77               |
| VI 10908-7.0 | 7.0     | 14.2    | 0.05                  | 0.725 | 84               |

## LPG HOSE ( BS 3212 : 1991 Type - 1 )

- RECOMMENDED FOR : LPG Vapour Phase and LPG / Air Installation for Applications Not Exceeding 50 millibar Working Pressure.
- TUBE : **Black/Orange/White**, Smooth Synthetic Rubber Compound Resistant to Outdoor Exposure.
- TEMPERATURE RANGE : -25°C to +60°C



| Product Code | Hose ID |      |       | Hose OD<br>(MM) | Max. Working Pressure |       | Min. Burst Pressure |      | Min. Bend Radius<br>(MM) |
|--------------|---------|------|-------|-----------------|-----------------------|-------|---------------------|------|--------------------------|
|              | Dash    | mm   | Inch  |                 | Bar                   | PSI   | Bar                 | PSI  |                          |
| 3212-1-4     | -4      | 6.3  | 1/4"  | 14.0            | 0.05                  | 0.725 | 0.20                | 2.90 | 72                       |
| 3212-1-5     | -5      | 8.0  | 5/16" | 15.0            | 0.05                  | 0.725 | 0.20                | 2.90 | 96                       |
| 3212-1-6     | -6      | 10.0 | 3/8"  | 17.0            | 0.05                  | 0.725 | 0.20                | 2.90 | 120                      |
| 3212-1-8     | -8      | 12.5 | 1/2"  | 20.2            | 0.05                  | 0.725 | 0.20                | 2.90 | 150                      |

## LPG HOSE ( BS 3212 : 1991 Type - 2 )

- RECOMMENDED FOR : LPG Vapour Phase and LPG / Air Installation for Applications not exceeding 17.5 Bar Working Pressure.
- INNER TUBE : Black, Smooth Synthetic Rubber Compound Resistant to Propane, Butane and a Mixture (LPG) of the Two.
- REINFORCEMENT : Single Braid of High Tenacity Yarn
- OUTER COVER : Perforated Orange Color Synthetic Rubber for Oil , Weather & Ozone Resistance
- TEMPERATURE RANGE : -25°C to +60°C



| Product Code | Hose ID |      |       | Hose OD<br>(MM) | Max. Working Pressure |        | Min. Burst Pressure |     | Min. Bend Radius<br>(MM) |
|--------------|---------|------|-------|-----------------|-----------------------|--------|---------------------|-----|--------------------------|
|              | Dash    | mm   | Inch  |                 | Bar                   | PSI    | Bar                 | PSI |                          |
| 3212-2-4     | -4      | 6.3  | 1/4"  | 14.0            | 17.5                  | 253.75 | 52                  | 754 | 72                       |
| 3212-2-5     | -5      | 8.0  | 5/16" | 15.0            | 17.5                  | 253.75 | 52                  | 754 | 96                       |
| 3212-2-6     | -6      | 10.0 | 3/8"  | 17.0            | 17.5                  | 253.75 | 52                  | 754 | 120                      |
| 3212-2-8     | -8      | 12.5 | 1/2"  | 20.2            | 17.5                  | 253.75 | 52                  | 754 | 150                      |

## RUBBER TUBING EN 16436-1:2014 (Class-1)

- RECOMMENDED FOR : LPG Vapour Phase and LPG / Air Installation for Applications not exceeding 0.2 Bar Working Pressure.
- TUBE : **Black/Orange/White**, Smooth Synthetic Rubber Compound Resistant to Propane, Butane and a Mixture (LPG) of the Two.
- TEMPERATURE RANGE : -20°C to +70°C



| Product Code | Hose ID | Hose OD | Max. Working Pressure |     | Min. Burst Pressure |     | Min. Bend Radius |
|--------------|---------|---------|-----------------------|-----|---------------------|-----|------------------|
|              | mm      | (MM)    | Bar                   | PSI | Bar                 | PSI | (MM)             |
| EN 16436-1-6 | 6.3     | 13.5    | 0.2                   | 2.9 | 3.5                 | 50  | 50               |
| EN 16436-1-8 | 8.0     | 15.0    | 0.2                   | 2.9 | 3.5                 | 50  | 50               |
| EN 16436-1-9 | 10.0    | 16.0    | 0.2                   | 2.9 | 3.5                 | 50  | 50               |

## RUBBER HOSES & TUBING EN 16436-1:2014 (Class-2)

- RECOMMENDED FOR : LPG Vapour Phase And LPG /Air Installation for Applications not exceeding 10 bar Working Pressure.
- INNER TUBE : Black, Smooth Synthetic Rubber Compound Resistant to Propane, Butane and a Mixture (LPG) of the two.
- REINFORCEMENT : 1- Braid of High Tenacity Yarn
- OUTER COVER : Perforated **Black/Orange** Color Synthetic Rubber for Oil & Weather Resistance
- TEMPERATURE RANGE : -30°C to +70°C



| Product Code | Hose ID | Hose OD | Max. Working Pressure |     | Min. Burst Pressure |     | Min. Bend Radius |
|--------------|---------|---------|-----------------------|-----|---------------------|-----|------------------|
|              | mm      | (MM)    | Bar                   | PSI | Bar                 | PSI | (MM)             |
| EN 16436-2-6 | 6.3     | 13.5    | 10                    | 145 | 30                  | 435 | 50               |
| EN 16436-2-8 | 8.0     | 15.0    | 10                    | 145 | 30                  | 435 | 50               |
| EN 16436-2-9 | 10.0    | 16.0    | 10                    | 145 | 30                  | 435 | 50               |

## RUBBER HOSES & TUBING EN 16436-1:2014 (Class-3)

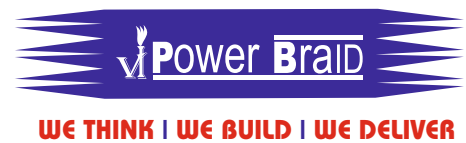
- RECOMMENDED FOR : LPG Vapour Phase and LPG /Air Installation for Applications not Exceeding 30 bar Working Pressure.
- INNER TUBE : Black, Smooth Synthetic Rubber Compound Resistant to Propane, Butane and a Mixture (LPG) of the two.
- REINFORCEMENT : 1- Braid of High Tenacity Yarn
- OUTER COVER : Perforated Black/Orange Color Synthetic Rubber for Oil & Weather Resistance
- TEMPERATURE RANGE : -30°C to +70°C



| Product Code | Hose ID | Hose OD | Max. Working Pressure |     | Min. Burst Pressure |      | Min. Bend Radius |
|--------------|---------|---------|-----------------------|-----|---------------------|------|------------------|
|              | mm      | (MM)    | Bar                   | PSI | Bar                 | PSI  | (MM)             |
| EN 16436-2-6 | 6.3     | 16      | 30                    | 435 | 90                  | 1300 | 50               |
| EN 16436-2-8 | 8.0     | 17      | 30                    | 435 | 90                  | 1300 | 50               |
| EN 16436-2-9 | 10.0    | 19      | 30                    | 435 | 90                  | 1300 | 50               |



# CERTIFICATION'S



**U.S. Department of Labor**  
 Mine Safety and Health Administration  
 Approval and Certification Center  
 765 Technology Drive  
 Washington, West Virginia 26069

In Reply Refer To:  
 MSHA/ACCC/PAR 117149  
 File No. H272566  
 Acceptance No. IC-38701

May 17, 2022

Attn: Anurag Kumar Sharma  
 Suraksha Rubber Products, Pvt. Ltd.  
 Killa No. 2513 & 19  
 Village Ramnagar, Tehsil - Gannaur  
 District - Sonapat, Haryana - 131019  
 INDIA

Dear Anurag Kumar Sharma:

The review of your application dated February 25, 2022, Company Code No. SR2502, for the Compound Code (M)1814 has been completed.

This construction and the information provided meet the requirements of the **Standard Application Procedures for Acceptance of Flame-Retardant Solid Products Taken Into Mines.**

The following requirements apply to this acceptance:

1. Acceptance Marking No. "MSHA IC-38701" must be permanently marked on the product with letters at least 1/4" high and at intervals not exceeding 1 foot. Other types of permanent markings may be used with prior approval from MSHA.
2. The acceptance material thickness is 1.1 to 2.2 mm.
3. You are obligated, as the manufacturer, to maintain the quality of the product to assure the requirements of this acceptance are being met.
4. Any change in product composition or in any other factors that may affect this acceptance must be made without prior authorization from MSHA.
5. We have the right to revoke this acceptance for cause at any time.
6. This product's acceptance is not for use as fireproofing or fire suppression hose.
7. We must be notified of any transfer of production or ownership of this product.

An invoice for the cost of processing this action will be forthcoming.

## "MSHA"

**Certificate of Registration**

This is to Certify That The Quality Management System of

**SURAKSHA RUBBER PRODUCTS PVT. LTD.**  
 KILLA NO-2513 & 19, VILLAGE RAMNAGAR, TEHSIL GANNAUR,  
 DISTRICT SONEPAT - 131019, HARYANA, INDIA.

has been assessed and found to conform to the requirements of

### ISO 9001:2015

for the following scope:

MANUFACTURING & SUPPLY OF BRAIDED RUBBER HOSES FOR LPG, INDUSTRIAL, HYDRAULIC & AUTOMOTIVE HOSES WITH HOSE ASSEMBLIES

Certificate No: ZH001818  
 Initial Registration Date: 18/03/2021  
 Date of Expiry: 17/03/2024  
 Issuance Date: 18/03/2021  
 Validity Date: 18/03/2023

**IAF** **elac**  
 IAF 015-015-015  
 elac CB-015-MS

**ROHS Certification Pvt. Ltd.**  
 408, Madhavji Building, 55, Jyoti Flats, New Tolly, 100 001, India  
 Phone: +91 81 6000212 | Email: info@rohs-certification.com | Website: www.rohs-certification.com  
 We are ISO 9001:2015 & ISO 14001:2015 certified. ISO 9001:2015 & ISO 14001:2015 certification is a Product Quality Certificate. "Under no circumstances shall we be held responsible for any loss or damage caused by the use of our products." Certificate is the property of ROHS and return when demanded.

## "SRPPL" QMS ISO 9001:2015

**Certificate of Compliance**

We hereby declare that the technical file of product complies with the requirements of Directive 2014/53/EU (ATEX) Directive.

Certificate No.: UQ-200111107

Manufacturer: **VAHSH INDUSTRIES**  
 Name: **VAHSH INDUSTRIES**  
 Address: **Village - Bahadurganj, Post - Gannaur (G) Block, Distt. - Sonapat - 131019 H.P. India**  
 Products: **Manufacturing of Rubber Hoses and Hose Assemblies for Liquid Petroleum Gas (LPG) for Domestic Appliances and Natural Gas up to 30 bar**

The Certification Body has performed an audit of the above product quality system covering the design, development and final inspection of the certified product. The audit process has been approved to confirm to the manufacturer's compliance according to the European Directive 2014/53/EU (ATEX) Directive.

This certificate is based on the following conditions:

1. It applies only to the quality system maintained at the manufacturing of above mentioned product, and it does not substitute the manufacturer's own quality procedures, if required.
2. The certificate remains valid until the manufacturing conditions of the quality system are maintained.
3. The certificate holder is considered to be responsible for corrective actions.
4. It is the holder's responsibility to fulfil the manufacturer's obligations with respect to the above mentioned audit.
5. Compliance with the technical file and any other documents has been assessed by certificate with 03/00/19 (01/01/2011), 03/00/19 (01/01/2011) & 03/00/19 (01/01/2011).

Validity of this certificate can be verified at [www.certificateonline.com/verify](http://www.certificateonline.com/verify)

Date of Certification: 12<sup>th</sup> November 2021  
 1<sup>st</sup> Surveillance Audit Due: Completed  
 2<sup>nd</sup> Surveillance Audit Due: 11<sup>th</sup> November 2023  
 Certificate Expiry (subject to the company maintaining it): 11<sup>th</sup> November 2024

Authorized Signatory: **Daniel**

## BS EN 1762:2018 "ATEX"

**Certificate of Compliance**

We hereby declare that the technical file of product complies with the requirements of Directive 2014/53/EU (ATEX) Directive.

Certificate No.: UQ-200111040

Manufacturer: **SURAKSHA RUBBER PRODUCTS PVT. LTD.**  
 Name: **SURAKSHA RUBBER PRODUCTS PVT. LTD.**  
 Address: **KILLA NO-2513 & 19, VILLAGE RAMNAGAR, TEHSIL GANNAUR, DISTRICT SONEPAT - 131019, HARYANA, INDIA**  
 Products: **MANUFACTURING & SUPPLY OF RUBBER HOSES AND HOSE ASSEMBLIES FOR MEASURED PULVE DISPENSING SYSTEMS**

The Certification Body has performed an audit of the above product quality system covering the design, development and final inspection of the certified product. The audit process has been approved to confirm to the manufacturer's compliance according to the European Directive 2014/53/EU (ATEX) Directive.

This certificate is based on the following conditions:

1. It applies only to the quality system maintained at the manufacturing of above mentioned product, and it does not substitute the manufacturer's own quality procedures, if required.
2. The certificate remains valid until the manufacturing conditions of the quality system are maintained.
3. The certificate holder is considered to be responsible for corrective actions.
4. It is the holder's responsibility to fulfil the manufacturer's obligations with respect to the above mentioned audit.
5. Compliance with the technical file and any other documents has been assessed by certificate with 03/00/19 (01/01/2011), 03/00/19 (01/01/2011) & 03/00/19 (01/01/2011).

Validity of this certificate can be verified at [www.certificateonline.com/verify](http://www.certificateonline.com/verify)

Date of Certification: 01<sup>st</sup> November 2021  
 1<sup>st</sup> Surveillance Audit Due: Completed  
 2<sup>nd</sup> Surveillance Audit Due: 31<sup>st</sup> October 2023  
 Certificate Expiry (subject to the company maintaining it): 31<sup>st</sup> October 2024

Authorized Signatory: **Daniel**

## BS EN 1360:2013 "ATEX"

**ARAI** The Automotive Research Association of India  
 (Formerly Indian Automotive Research Society)

**NON TRANSFERABLE**

**TEST REPORT**

DATE: 01.06.2022

1.1 NAME AND ADDRESS OF CUSTOMER: **Suraksha Rubber Products Pvt. Ltd.**  
 Plot No. 2513 & 19, Village Ramnagar, Tehsil Gannaur, Distt. Sonapat, Haryana-131019 India.  
 Name of Contact Person: **Mr. Anurag Kumar Sharma**  
 Telephone No.: **0174-270227**  
 E-Mail: **anurag@srppl.com**

1.2 CUSTOMER'S LETTER NO: **SRPPL/2022/001**

1.3 TEST OBJECTIVE: **CONFORMANCE OF THE TEST COMPONENT**

1.4 TEST OBJECTIVE: **CONFORMANCE OF THE TEST COMPONENT**

1.5 TEST REQUIREMENTS: **CONFORMANCE OF THE TEST COMPONENT**

1.6 TEST PROCEDURE: **CONFORMANCE OF THE TEST COMPONENT**

1.7 TEST RESULT: **CONFORMANCE OF THE TEST COMPONENT**

1.8 TEST CONCLUSION: **CONFORMANCE OF THE TEST COMPONENT**

1.9 TEST OBSERVATIONS: **CONFORMANCE OF THE TEST COMPONENT**

1.10 TEST SIGNATURE: **CONFORMANCE OF THE TEST COMPONENT**

1.11 TEST APPROVAL: **CONFORMANCE OF THE TEST COMPONENT**

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4.79 TEST REPORT: **CONFORMANCE OF THE TEST COMPONENT**

4.80 TEST REPORT: **CONFORMANCE OF THE TEST COMPONENT**

4.81 TEST REPORT: **CONFORMANCE OF THE TEST COMPONENT**

4.82 TEST REPORT: **CONFORMANCE OF THE TEST COMPONENT**

4.83 TEST REPORT: **CONFORMANCE OF THE TEST COMPONENT**

4.84 TEST REPORT: **CONFORMANCE OF THE TEST COMPONENT**

4.85 TEST REPORT: **CONFORMANCE OF THE TEST COMPONENT**

4.86 TEST REPORT:



# CERTIFICATION'S



**SURAKSHA RUBBER PRODUCTS PVT. LTD.**

**WE THINK | WE BUILD | WE DELIVER**

For any other communication  
 Address: Delhi Branch Office - II, Manak Bhavan, 9 Bahadur Shah Zafar Marg, Delhi, CENTRAL DELHI, DELHI, 110002  
 Phone: 011-23230131, 23233375  
 Fax: 01123234062  
 E-Mail: dibo2@bis.gov.in  
 Web: www.bis.org.in, www.manakonline.in

**BUREAU OF INDIAN STANDARDS**  
 Attachment to Licence No. CML- 9200102397

| CML-No     | Name of the Licensee with the Factory Address  | Name of the Product   | Indian Standard No. |
|------------|--|---|---------------------|
| 9200102397 | SURAKSHA RUBBER PRODUCTS PVT. LTD. - Killa No. 25/13, II, Village - Ram Nagar, Tehsil - Gamaur, SONPAT - 131039 COMMERCIAL APPLICATION | RUBBER HOSE FOR LIQUEFIED PETROLEUM GAS IS 9573 : PART 2 : 2 DOMESTIC AND |                     |

Endorsement No. 2 Dated 06-Apr-2023

Whereas, the licence was valid upto Ninth April Two Thousand Twenty Three.  
 Now, consequent upon renewal, the validity of the licence given in schedule of the Licence Dated 08-APR-2023 has been extended from Ninth April Two Thousand Twenty Three to Eighth April Two Thousand Twenty Four  
 Other terms and conditions of licence remain same.

Branch Head (Delhi Branch Office - II)

Manak Bhavan, 9 Bahadur Shah Zafar Marg, New Delhi 110002, 9 Bahadur Shah Zafar Marg, DELHI, 110002  
 Contact No: +91 11 23230131, 23233375, 23234062 Fax: +91 11 23234062, 232 Email: info@bis.gov.in

For any other communication  
 Address: Himachal Pradesh Branch Office-PRBO, Ground floor, West Wing., NRO building, Plot 4A, Sector 27B, Madhya Marg, Chandigarh, CHANDIGARH, CHANDIGARH, 160019  
 Phone: 01792-235437-235439  
 Fax: 01792235435  
 E-Mail: nibo@bis.gov.in  
 Web: www.bis.org.in, www.manakonline.in

**BUREAU OF INDIAN STANDARDS**  
 Attachment to Licence No. CML- 960001811

| CML-No    | Name of the Licensee with the Factory Address   | Name of the Product                 | Indian Standard No. |
|-----------|---|-------------------------------------|---------------------|
| 960001811 | Vansh Industries - K.No.6661, 6694, Village: Kishanpara, PO Gurumajra, Tehsil: Nalagarh, ... 174101 | Rubber gaskets for pressure cookers | IS 7466 : 1994      |

Endorsement No. 11 Dated 30-Jan-2023

Whereas, the licence was valid upto First March Two Thousand Twenty Three.  
 Now, consequent upon renewal, the validity of the licence given in schedule of the Licence Dated 28-FEB-2023 has been extended from First March Two Thousand Twenty Three to Twenty Eighth February Two Thousand Twenty Four  
 Other terms and conditions of licence remain same.

Branch Head (Himachal Pradesh Branch Office)

Manak Bhavan, 9 Bahadur Shah Zafar Marg, New Delhi 110002, 9 Bahadur Shah Zafar Marg, DELHI, 110002  
 Contact No: +91 11 23230131, 23233375, 23234062 Fax: +91 11 23234062, 232 Email: info@bis.gov.in

**bsi.**  
**Certificate of Registration**  
 QUALITY MANAGEMENT SYSTEM - ISO 9001:2015

This is to certify that: Vansh Industries Village & P.O. Kishan Pura, Gurmajra, Tehsil: Nalagarh, Solan District 174 101 Himachal Pradesh India

Holds Certificate No: **FM 528436**  
 and operates a Quality Management System which complies with the requirements of ISO 9001:2015 for the following scope:  
 The Manufacture and Supply of Rubber Gaskets, Seals and Braided Rubber Hoses for LPG & Automotive Application.  
 Previous Certificate expired on 02.10.2022  
 RA Audit conducted on 22.08.2022

For and on behalf of BSI: *Theresa Kotze, Managing Director Assurance - IMETA*

Original Registration Date: 2007-10-04 Effective Date: 2022-10-07  
 Latest Revision Date: 2022-10-07 Expiry Date: 2025-10-02

Page 1 of 1  
 making excellence a habit

## “SRPPL” IS 9573: PART 2

## IS 7466:1994

## QMS - ISO 9001:2015

**भारतीय मानक ब्यूरो**  
**BUREAU OF INDIAN STANDARDS**  
 Panaji Branch Office

Address: Plot No. 4-A, Madhya Marg, Sector 27-B, Chandigarh-160019  
 Phone: 0172-2650209  
 Fax: 0172-2650965  
 E-mail: info@bis.gov.in  
 Web: http://www.bis.gov.in

Attachment to Licence No. CML- 9200102397

| CMLNO      | Name of the Licensee with the Factory Address   | Name Of The Product  | IS NO.                  |
|------------|---|--|-------------------------|
| 9200102397 | M/S. Suraksha Rubber Products Pvt. Ltd. Killa No. 25/13, II, Village - Ram Nagar, Tehsil - Gamaur, Dist. Sonapat Haryana 131039 | Rubber Hose For Liquefied Petroleum Gas (Lpg) - Specification Part 2 Domestic And Commercial Application | IS 9573 : PART 2 : 2017 |

Endorsement No. 1 Dated 19/04/2022

Whereas, the licence was valid upto Ninth April Two Thousand Twenty Two.  
 Now, consequent upon renewal, the validity of the licence given in schedule of has been extended from Ninth April Two Thousand Twenty Two to Eighth April Two Thousand Twenty Three.  
 Other terms and conditions of licence remain same.

Yours faithfully,  
*(Pravir Kumar Choudhary)*  
 Scientist C

For any other communication  
 Address: Himachal Pradesh Branch Office-House # 15, Sector - 3, Parvathani, SOLAN, HIMACHAL PRADESH, 173220  
 Phone: 01792-235437-235439  
 Fax: 01792235435  
 E-Mail: nibo@bis.gov.in  
 Web: www.bis.org.in, www.manakonline.in

**BUREAU OF INDIAN STANDARDS**  
 Attachment to Licence No. CML- 9600045318

| CML-No     | Name of the Licensee with the Factory Address   | Name of the Product                                | Indian Standard No. |
|------------|---|--|---------------------|
| 9600045318 | VANSH INDUSTRIES -BADDI, HIMACHAL PRADESH, INDIA VILKASHANARA, PO GURUMAJRA, BADDI : 174101 | Flexible Rubber Tubing for Liquefied Petroleum Gas | IS 10908 : 1991     |

Endorsement No. 2 Dated 22-Jun-2022

Whereas, the licence was valid upto Thirteenth August Two Thousand Twenty Two.  
 Now, consequent upon renewal, the validity of the licence given in schedule of the Licence Dated 12-AUG-2022 has been extended from Thirteenth August Two Thousand Twenty Two to Twelfth August Two Thousand Twenty Three  
 Other terms and conditions of licence remain same.

Branch Head (Himachal Pradesh Branch Office)

Manak Bhavan, 9 Bahadur Shah Zafar Marg, New Delhi 110002, 9 Bahadur Shah Zafar Marg, DELHI, 110002  
 Contact No: +91 11 23230131, 23233375, 23234062 Fax: +91 11 23234062, 232 Email: info@bis.gov.in

**INDIA NON JUDICIAL**  
**Government of Karnataka**

Certificate No: IN-KA0000070815418V  
 Certificate Issued Date: 19-JUN-2023 11:28:48  
 Account Reference: NONJACD (P) ACCOUNT/K R PURAM/12 KA-5V  
 Document Reference: BUREN KA/KAC/2023/087/00077404044V  
 Purpose of Issuance: LPG EQUIPMENT RESEARCH CENTRE  
 Description: Article of Bond  
 Description: AGREEMENT  
 Consideration Price (Rs.): 0  
 Stamp: Stamp  
 Final Party: LPG EQUIPMENT RESEARCH CENTRE  
 Second Party: VANSH INDUSTRIES  
 Stamp Duty Paid By: LPG EQUIPMENT RESEARCH CENTRE  
 Stamp Duty Amount(Rs.): 100 (One Hundred only)

AGREEMENT  
 This agreement is made at Bangalore this ... between LPG EQUIPMENT RESEARCH CENTRE, a Society registered under the Karnataka Societies Registration Act 1960 and having its office at Opposite ITI Main Gate, Old Madhav Road, Devanahalli, Bangalore - 560 018 (herein referred to as "LERC", which expression shall include its successors and permitted assigns) OF THE ONE PART; AND M/S Vansh Industries carrying on business under the name M/S Vansh Industries and

For VANSH INDUSTRIES  
*(Signature)*  
 Authorised Signatory

## IS 9573: PART 2

## IS 10908 : 1991

## “VANSH” LERC

**DNV**  
**ACKNOWLEDGEMENT OF RECEIPT - EU**

Acknowledgement Number: **043023** Issue: **0**

This Acknowledgement consists of 2 pages

This is to confirm that the Technical File for the following product(s):  
 Was received, read and reviewed as per the requirements for reviewed and approved fast dispensing systems (Type 3, LT, Grade M as per EN 1580-2013).  
 See page 2

Manufactured by: **Suraksha Rubber Products Pvt. Ltd.**  
 ISO No. 2015 14001 Registered Export Unit  
 Gamaur, Sonapat Haryana - 131039, INDIA

has been received and stored according to the conformity assessment procedure described in Article 12.1.10.16 of the Council Directive 2014/54/EU of February 2014, category 2 non-essential equipment.

Further details are given overleaf.

Justification:  
 DNV Product Assurance AS is appointed by the Norwegian Directorate for Civil Protection as Notified Body No. 2443 under the terms of Article 21 of the Council Directive 2014/54/EU of February 2014.

Date of Issue: 2023-11-04  
 Valid until Date: 2026-11-04

Open Signatures  
 For DNV Product Assurance AS  
 www.dnv.com

**INDIA NON JUDICIAL**  
**Government of Karnataka**

Certificate No: IN-KA0000070815418V  
 Certificate Issued Date: 19-JUN-2023 11:28:48  
 Account Reference: NONJACD (P) ACCOUNT/K R PURAM/12 KA-5V  
 Document Reference: BUREN KA/KAC/2023/087/00077404044V  
 Purpose of Issuance: LPG EQUIPMENT RESEARCH CENTRE  
 Description: Article of Bond  
 Description: AGREEMENT  
 Consideration Price (Rs.): 0  
 Stamp: Stamp  
 Final Party: LPG EQUIPMENT RESEARCH CENTRE  
 Second Party: VANSH INDUSTRIES  
 Stamp Duty Paid By: LPG EQUIPMENT RESEARCH CENTRE  
 Stamp Duty Amount(Rs.): 100 (One Hundred only)

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**INDIAN RUBBER MANUFACTURERS RESEARCH ASSOCIATION (IRMRRA)**  
 (An ISO 9001 : 2008, certified and NABL Accredited Laboratory Affiliated to Ministry of Commerce & Industry, Government of India)

**Membership Certificate**

This Is To Certify That  
 M/s. **Vansh Industries**  
 is an esteemed member of I.R.M.R.A. entitled to all privileges and benefits of our organisation  
 Membership ID: **IR-AN-1320** Date of Issue: **18/04/2022**  
 Valid up to: **31/03/2025**

Ass: Plot No. 284 / 1/B, Road No-10V, Waqia Industrial Estate, Thane (West) - 400604, Maharashtra, India  
 Tel. No: 022-25811340, 25803753, 25834652 / 51152, 078712006219 (DR Office), 0787322122, 07170646744-48 (8 Lines)  
 Fax: 022-25815144 \* Email: info@irmra.org \* Website: www.irmra.org

Helping Rubber World for Building Better Future





# PLANT & MACHINERIES

**SURAKSHA RUBBER PRODUCTS PVT. LTD.**



**WE THINK | WE BUILD | WE DELIVER**

SURAKSHA RUBBER PRODUCT PVT. LTD. Hose is currently making hoses from ID of 5 mm to 50 mm in Wire & Textile Braided constructions in Wrap & Smooth Finish.

Rubber Compound is key to any good Hose manufacturing. We has in-house mixing facility with adequate control features.

Our Experienced & Dedicated R&D Team develop compounds Hoses based on Customer specific as well as National & International specifications.



## Testing & Validation

The Plant is backed by full in-house validation test facility for its Hose & Hose assembly which is a key to Product reliability & consistency.

## Important Test facilities at Spiro Hoses plant

- Hose Assembly Proof Tester
- Burst Tester up to 35000 PSI
- Ozone Resistance Tester (Static & Dynamic)
- Low Temperature Flexibility Tester
- Abrasion Tester (For Hydraulic Cover as per ISO-6945)
- Abrasion Tester (For Industrial Tube as per ISO-4649)
- Flame Resistance Tester
- Hose Assembly Pressure Leak Tester
- Full Test set up for RDSO approved Air Brake Hose
- Full Test Facility for LPG Hoses.
- Full Test Facility for SASO Approved LPG Hose



Ozone Tester



Low Temperature Test



Abrasion Tester



Industrial Crimping Machine



Test Lab View



# SRPPPL

**SURAKSHA RUBBER PRODUCTS PVT. LTD.**

Sister Concern of **VANSI INDUSTRIES**



**OFFICE :**

C-108 & 109, First floor, Urbtech Trade Centre  
Near Jaypee Hospital Sector 132, Express Way  
Noida, Gautam Buddh Nagar UP-201304



**WORKS :**

Killa No 25/13 & 18, Village-Ramnagar,  
Tehsil-Gannaur, District Sonapat, Haryana - 131039



+91-9650539534/ 9311219496/ 9318008061



info@surakshaproduct.in , rrvashneya@surakshaproduct.in



www.surakshaproduct.in, www.vanshindustries.in

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**DEC./2023**