

SPPL

SURAKSHA RUBBER PRODUCTS PVT. LTD.

Sister Concern of  **VANSH INDUSTRIES**

A Reliable & Trusted Name for
Hoses & Hose Assemblies



WE THINK | WE BUILD | WE DELIVER

AN ISO 9001 : 2015 CERTIFIED COMPANY

HYDRAULIC, INDUSTRIAL, AUTOMOTIVE & LPG HOSES

EDITION 2026-2027

CATALOGUE REVISION NO. 104 (HH)



www.surakshaproduct.in

COMPANY PROFILE

We are a leading manufacturer of superior-quality Hydraulic, Industrial, Automotive, and LPG Hose products. With decades of expertise in the industry, we understand the importance of choosing the right product for your needs. At **SURAKSHA RUBBER PRODUCTS PVT. LTD. (SRPPL)**, we simplify this process by providing a one-stop solution for domestic, commercial, and industrial applications—ensuring choices that are easier, safer, and more reliable.

Incorporated in 2005, **Suraksha Rubber Products Pvt. Ltd.** entered a new growth phase in 2020, when the Plant was acquired by **VANSH INDUSTRIES**. The same year, production commenced at our state-of-the-art facility in Sonapat, Haryana, manufacturing a complete range of braided hoses, including Hydraulic, Industrial, Automotive, and Suraksha LPG Hoses.

Over the last five years, **SRPPL** has witnessed remarkable growth, establishing itself as one of the largest players in the Indian market.

Our commitment to excellence has been recognized with prestigious awards, including:

- Top Domestic Sales Award by **AIRIA for Rubber Hose Pipe & LPG Hose**
- Platinum Business Award by **DAINIK JAGRAN**
- India 5000 Best **MSME** Award (2022)
- No. 1 & No. 3 Winner for Highest Selling Suraksha LPG Hose by **INDIAN OIL CORPORATION** (FY 2024–25 & 2025-26)

We take pride in being certified by **ISO**, **BIS**, **LERC** (LPG Equipment Research Centre, Bangalore), **WLGA**, and **NSIC** (Dun & Bradstreet Credit Ratings). Our products have undergone and successfully cleared extensive testing at globally recognized institutions such as **MSHA**, **DNV (ATEX)**, **ARAI**, and **IRMRA**, ensuring the highest standards of quality, safety, and reliability.

With this strong foundation, we continue to strengthen our position in the hose industry, driven by innovation, uncompromising quality, and customer trust.

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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?

(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.

(TEMPERATURE:)

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

Temperatures 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.

(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.

(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?

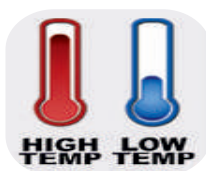
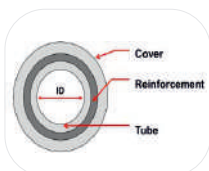
(DELIVERY:)

- ▶ 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.

(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?



SPPL

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OUR OEM CUSTOMERS



WE THINK | WE BUILD | WE DELIVER

VICTOR



VANAZ
VANAZ ENGINEERS LIMITED



HTPCO
REDEFINING AUTOMATION



adani



ADVANTEx

Industries We Serve



Transportation



Military



Agriculture



Forestry



Utility Equipment



RV & Bus



Oil Field Service



Waste & Refuse



Mining



Ground Support Equipment



Railroad



Construction



Material Handling



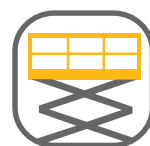
Paving & Road Maintenance



Industrial



Inplant Automotive



Personnel Lift Equipment



Grounds & Building Maintenance

Single Wire Braid Hose - SAE 100 R1 Type AT (MSHA Approved Cover)
Exceed Performance Requirements of DIN 20022 1SN / EN 853 1SN

- APPLICATION : For Medium to High Pressure, Hydraulic Lines applied in various applications like Earth Moving and other Industries
- INNER TUBE : Oil-Resistant Synthetic Rubber, **BLACK**
- REINFORCEMENT : Single Braided High Tensile Steel Wire
- OUTER COVER : Oil, Abrasion and Ozone Resistant Synthetic Rubber, **BLACK**
(Smooth Cover available up to 1" ID)
- TEMPERATURE RANGE: - 40°C TO +100°C / - 40°F TO +212°F (For Hydraulic Oil Lines)



Product Code	Hose ID			Hose Braid OD		Hose OD		Max. Working Pressure		Min. Burst Pressure		Min. Bend Radius
	Inch	mm	Dash	Inch	(MM)	Inch	(MM)	PSI	Bar	PSI	Bar	(MM)
VI-100 R1 - 4	1/4"	6.4	01 - 4	0.44	11.1	0.52	13.3	3275	225	13050	900	100
VI-100 R1 - 5	5/16"	7.9	01 - 5	0.51	12.9	0.60	15.2	3120	215	12470	860	115
VI-100 R1 - 6	3/8"	9.5	01 - 6	0.59	14.9	0.68	17.3	2610	180	10440	720	125
VI-100 R1 - 8	1/2"	12.7	01 - 8	0.72	18.3	0.81	20.5	2320	160	9280	640	180
VI-100 R1 - 10	5/8"	15.9	01 - 10	0.85	21.5	0.93	23.6	1885	130	7540	520	205
VI-100 R1 - 12	3/4"	19.0	01 - 12	1.00	25.4	1.09	27.7	1525	105	6090	420	240
VI-100 R1 - 16	1"	25.4	01 - 16	1.31	33.4	1.41	35.8	1275	88	5104	352	300
VI-100 R1 - 20	1 1/4"	31.8	01 - 20	1.59	40.4	1.72	43.7	915	63	3654	252	420
VI-100 R1 - 24	1 1/2"	38.1	01 - 24	1.83	46.5	1.98	50.3	725	50	2900	200	500
VI-100 R1 - 32	2"	50.8	01 - 32	2.36	60	2.50	63.5	580	40	2320	160	630

"High Temperature" Single Wire Braid Hose - SAE 100 R1 Type AT (MSHA Approved Cover)

- APPLICATION : For Medium to High Pressure, Hydraulic Lines applied in various applications like Earth Moving and other Industries
- INNER TUBE : Oil-Resistant Synthetic Rubber, **BLACK**
- REINFORCEMENT : Single Braided High Tensile Steel Wire
- OUTER COVER : Oil, Abrasion and Ozone Resistant Synthetic Rubber, **BLACK**
(Smooth Cover available up to 1" ID)
- TEMPERATURE RANGE: - 40°C TO +135°C / - 40°F TO +275°F (For Hydraulic Oil Lines)



Product Code	Hose ID			Hose Braid OD		Hose OD		Max. Working Pressure		Min. Burst Pressure		Min. Bend Radius
	Inch	mm	Dash	Inch	(MM)	Inch	(MM)	PSI	Bar	PSI	Bar	(MM)
VI-100 R1HT - 4	1/4"	6.4	01 - 4	0.44	11.1	0.52	13.3	3275	225	13050	900	100
VI-100 R1HT - 5	5/16"	7.9	01 - 5	0.51	12.9	0.60	15.2	3120	215	12470	860	115
VI-100 R1HT - 6	3/8"	9.5	01 - 6	0.59	14.9	0.68	17.3	2610	180	10440	720	125
VI-100 R1HT - 8	1/2"	12.7	01 - 8	0.72	18.3	0.81	20.5	2320	160	9280	640	180
VI-100 R1HT - 10	5/8"	15.9	01 - 10	0.85	21.5	0.93	23.6	1885	130	7540	520	205
VI-100 R1HT - 12	3/4"	19.0	01 - 12	1.00	25.4	1.09	27.7	1525	105	6090	420	240
VI-100 R1HT - 16	1"	25.4	01 - 16	1.31	33.4	1.41	35.8	1275	88	5104	352	300
VI-100 R1HT - 20	1 1/4"	31.8	01 - 20	1.59	40.4	1.72	43.7	915	63	3654	252	420
VI-100 R1HT - 24	1 1/2"	38.1	01 - 24	1.83	46.5	1.98	50.3	725	50	2900	200	500
VI-100 R1HT - 32	2"	50.8	01 - 32	2.36	60.0	2.50	63.5	580	40	2320	160	630

Double Wire Braid Hose - SAE 100 R2 Type AT (MSHA Approved Cover) Exceed Performance Requirements of DIN 20022 2SN / EN 853 2SN

- APPLICATION** : For Medium to High Pressure, Hydraulic Lines applied in various applications like Earth Moving and other Industries
- INNER TUBE** : Oil-Resistant Synthetic Rubber, **BLACK**
- REINFORCEMENT** : Double Braided High Tensile Steel Wire
- OUTER COVER** : Oil, Abrasion and Ozone Resistant Synthetic Rubber, **BLACK**
(Smooth Cover available up to 1" ID)
- TEMPERATURE RANGE** : - 40°C TO +100°C / - 40°F TO +212°F (For Hydraulic Oil Lines)



Product Code	Hose ID			Hose Braid OD		Hose OD		Max. Working Pressure		Min. Burst Pressure		Min. Bend Radius
	Inch	mm	Dash	Inch	(MM)	Inch	(MM)	PSI	Bar	PSI	Bar	(MM)
VI-100 R2 - 4	1/4"	6.4	02 - 4	0.51	13.0	0.59	15.0	5,800	400	23,200	1,600	100
VI-100 R2 - 5	5/16"	7.9	02 - 5	0.57	14.5	0.65	16.4	5,075	350	20,300	1,400	115
VI-100 R2 - 6	3/8"	9.5	02 - 6	0.65	16.6	0.75	19.0	4,800	330	19,200	1,320	125
VI-100 R2 - 8	1/2"	12.7	02 - 8	0.78	19.9	0.86	21.9	4,000	275	16,000	1,100	180
VI-100 R2- 10	5/8"	15.9	02 - 10	0.91	23.0	0.99	25.1	3,625	250	14,500	1,000	205
VI-100 R2 - 12	3/4"	19.0	02 - 12	1.04	26.5	1.15	29.2	3,125	215	12,500	860	240
VI-100 R2 - 16	1"	25.4	02 - 16	1.37	34.9	1.48	37.6	2,400	165	9,600	660	300
VI-100 R2 - 20	1 1/4"	31.8	02 - 20	1.72	43.7	1.87	47.5	1,815	125	7,250	500	420
VI-100 R2 - 24	1 1/2"	38.1	02 - 24	2.00	50.7	2.15	54.5	1,300	90	5,200	360	500
VI-100 R2 - 32	2"	50.8	02 - 32	2.48	63.0	2.62	66.5	1,160	80	4,640	320	630

"High Temperature" Double Wire Braid Hose - SAE 100 R2 Type AT (MSHA Approved Cover)

- APPLICATION** : For Medium to High Pressure, Hydraulic Lines applied in various applications like Earth Moving and other Industries
- INNER TUBE** : Oil-Resistant Synthetic Rubber, **BLACK**
- REINFORCEMENT** : Double Braided High Tensile Steel Wire
- OUTER COVER** : Oil, Abrasion and Ozone Resistant Synthetic Rubber, **BLACK**
(Smooth Cover available up to 1" ID)
- TEMPERATURE RANGE** : - 40°C TO +150°C / - 40°F TO +302°F (For Hydraulic Oil Lines)



Product Code	Hose ID			Hose Braid OD		Hose OD		Max. Working Pressure		Min. Burst Pressure		Min. Bend Radius
	Inch	mm	Dash	Inch	(MM)	Inch	(MM)	PSI	Bar	PSI	Bar	(MM)
VI-100 R2HT - 4	1/4"	6.4	02 - 4	0.51	13.0	0.59	15.0	5,800	400	23,200	1,600	100
VI-100 R2HT - 5	5/16"	7.9	02 - 5	0.57	14.5	0.65	16.4	5,075	350	20,300	1,400	115
VI-100 R2HT - 6	3/8"	9.5	02 - 6	0.65	16.6	0.75	19.0	4,800	330	19,200	1,320	125
VI-100 R2HT - 8	1/2"	12.7	02 - 8	0.78	19.9	0.86	21.9	4,000	275	16,000	1,100	180
VI-100 R2HT - 10	5/8"	15.9	02 - 10	0.91	23.0	0.99	25.1	3,625	250	14,500	1,000	205
VI-100 R2HT - 12	3/4"	19.0	02 - 12	1.04	26.5	1.15	29.2	3,125	215	12,500	860	240
VI-100 R2HT - 16	1"	25.4	02 - 16	1.37	34.9	1.48	37.6	2,400	165	9,600	660	300
VI-100 R2HT - 20	1 1/4"	31.8	02 - 20	1.72	43.7	1.87	47.5	1,815	125	7,250	500	420
VI-100 R2HT - 24	1 1/2"	38.1	02 - 24	2.00	50.7	2.15	54.5	1,300	90	5,200	360	500
VI-100 R2HT - 32	2"	50.8	02 - 32	2.48	63.0	2.62	66.5	1,160	80	4,640	320	630

Single / Double Wire Braid Hose SAE 100 R16 / ISO 11237 Exceed Performance Requirements of EN 857 2SC (MSHA Approved Cover)

- APPLICATION** : Medium pressure hydraulic line. Suitable for petroleum based hydraulic fluids, synthetic ester biodegradable hydraulic fluids, water-glycol based fluids and lubricating oil.
- INNER TUBE** : Oil-Resistant Rubber (Nitrile)
- REINFORCEMENT** : Single/Double Braid of High-Tensile Steel Wire.
- OUTER COVER** : Oil, Abrasion and Ozone Resistant Synthetic Rubber, **BLACK**
(Smooth Cover available up to 1" ID)
- TEMPERATURE RANGE** : - 40°C TO +100°C / - 40°F TO +212°F (For Hydraulic Oil Lines)



Product Code	Hose ID			Hose OD		Max. Working Pressure		Min. Burst Pressure		Min. Bend Radius
	Inch	mm	Dash	Inch	(MM)	PSI	Bar	PSI	Bar	(MM)
VI-100 R16 - 4	1/4"	6.4	16 - 4	0.54"	13.7	5800	400	23200	1600	75
VI-100 R16 - 5	5/16"	7.9	16 - 5	0.60"	15.2	5075	350	20300	1400	85
VI-100 R16 - 6	3/8"	9.5	16 - 6	0.69"	17.5	4780	330	19120	1320	90
VI-100 R16 - 8	1/2"	12.7	16 - 8	0.81"	20.5	4000	275	16000	1100	130
VI-100 R16 - 10	5/8"	15.9	16 - 10	0.95"	24.1	3625	250	14500	1000	170
VI-100 R16 - 12	3/4"	19.0	16 - 12	1.10"	27.9	3120	215	12480	860	200
VI-100 R16 - 16	1"	25.4	16 - 16	1.39"	35.3	2400	165	9600	660	250

Single / Double Wire Braid Hose SAE 100 R17 / ISO 11237 R17 (MSHA Approved Cover)

- APPLICATION** : Medium pressure hydraulic line. Suitable for petroleum based hydraulic fluids, synthetic ester biodegradable hydraulic fluids, water-glycol based fluids and lubricating oil.
- INNER TUBE** : Oil-Resistant Rubber (Nitrile)
- REINFORCEMENT** : Single/Double Braid of High-Tensile Steel Wire.
- OUTER COVER** : Oil, Abrasion and Ozone Resistant Synthetic Rubber, **BLACK**
(Smooth Cover available up to 1" ID)
- TEMPERATURE RANGE** : - 40°C TO +100°C / - 40°F TO +212°F (For Hydraulic Oil Lines)



Product Code	Hose ID			Hose OD		Max. Working Pressure		Min. Burst Pressure		Min. Bend Radius
	Inch	mm	Dash	Inch	(MM)	PSI	Bar	PSI	Bar	(MM)
VI-100 R17 - 4	1/4"	6.4	17 - 4	0.48"	12.1	3250	225	13000	900	50
VI-100 R17 - 6	3/8"	9.5	17 - 6	0.63"	16.0	3250	225	13000	900	65
VI-100 R17 - 8	1/2"	12.7	17 - 8	0.80"	20.3	3250	225	13000	900	90
VI-100 R17 - 10	5/8"	15.9	17 - 10	0.99"	25.1	3250	225	13000	900	100
VI-100 R17 - 12	3/4"	19.0	17 - 12	1.15"	29.2	3250	225	13000	900	115
VI-100 R17 - 16	1"	25.4	17 - 16	1.47"	37.3	3250	225	13000	900	150

Single Textile Yarn Braid Hose - SAE 100 R6 Exceed Performance Requirements of EN 854 (MSHA Approved Cover)

- APPLICATION** : For Low Pressure Hydraulic Lines applied In various applications like Earth Moving and other adjacent Industries.
- INNER TUBE** : Oil-Resistant Synthetic Rubber, **BLACK**
- REINFORCEMENT** : Single Braid of High-Tensile Textile Yarn.
- OUTER COVER** : Oil, Abrasion and Ozone Resistant Synthetic Rubber, **BLACK**
(Smooth Cover available up to 1" ID)
- TEMPERATURE RANGE**: - 40°C TO +100°C / - 40°F TO +212°F (For Hydraulic Oil Lines)



Product Code	Hose ID			Hose OD		Max. Working Pressure		Min. Burst Pressure		Min. Bend Radius
	Inch	mm	Dash	Inch	(MM)	PSI	Bar	PSI	Bar	(MM)
VI-100 R6 - 4	1/4"	6.4	06 - 4	0.52	13.1	406	28	1,624	112	65
VI-100 R6 - 5	5/16"	7.9	06 - 5	0.57	14.6	406	28	1,624	112	75
VI-100 R6 - 6	3/8"	9.5	06 - 6	0.64	16.2	406	28	1,624	112	75
VI-100 R6 - 8	1/2"	12.7	06 - 8	0.78	19.8	406	28	1,624	112	100
VI-100 R6- 10	5/8"	15.9	06 - 10	0.92	23.3	348	24	1,392	96	125
VI-100 R6 - 12	3/4"	19.0	06 - 12	1.05	26.7	304	21	1,218	84	150
VI-100 R6 - 16	1"	25.4	06 - 16	1.33	33.8	203	14	812	56	175

"High Temperature" Single Textile Yarn Braid Hose - SAE 100 R6 (MSHA Approved Cover)

- APPLICATION** : For Low Pressure Hydraulic Lines applied In various applications like Earth Moving and other adjacent Industries.
- INNER TUBE** : Oil-Resistant Synthetic Rubber, **BLACK**
- REINFORCEMENT** : Single Braid of High-Tensile Textile Yarn.
- OUTER COVER** : Oil, Abrasion and Ozone Resistant Synthetic Rubber, **BLACK**
(Smooth Cover available up to 1" ID)
- TEMPERATURE RANGE**: - 40°C TO +135°C / - 40°F TO +275°F for Hydraulic Oil Lines



Product Code	Hose ID			Hose OD		Max. Working Pressure		Min. Burst Pressure		Min. Bend Radius
	Inch	mm	Dash	Inch	(MM)	PSI	Bar	PSI	Bar	(MM)
VI-100 R6HT - 4	1/4"	6.4	06 - 4	0.50	12.7	406	28	1,624	112	65
VI-100 R6HT - 5	5/16"	7.9	06 - 5	0.56	14.2	406	28	1,624	112	75
VI-100 R6HT - 6	3/8"	9.5	06 - 6	0.63	16.0	406	28	1,624	112	75
VI-100 R6HT - 8	1/2"	12.7	06 - 8	0.76	19.7	406	28	1,624	112	100
VI-100 R6HT - 10	5/8"	15.9	06 - 10	0.92	23.3	348	24	1,392	96	125
VI-100 R6HT - 12	3/4"	19.0	06 - 12	1.03	26.2	304	21	1,218	84	150
VI-100 R6HT - 16	1"	25.4	06 - 16	1.33	33.8	203	14	812	56	175

Double Textile Yarn Braid Hose - SAE 100 R3 Exceed Performance Requirements of EN 854 (MSHA Approved Cover)

APPLICATION : For Low Pressure Hydraulic Lines applied In various applications like Earth Moving and other adjacent Industries

INNER TUBE : Oil-Resistant Synthetic Rubber, **BLACK**

REINFORCEMENT : Double Braid of High-Tensile Textile Yarn

OUTER COVER : Oil, Abrasion and Ozone Resistant Synthetic Rubber, **BLACK**
(Smooth Cover available up to 1" ID)

TEMPERATURE RANGE: - 40°C TO +100°C / - 40°F TO +212°F (For Hydraulic Oil Lines)



Product Code	Hose ID			Hose OD		Max. Working Pressure		Min. Burst Pressure		Min. Bend Radius
	Inch	mm	Dash	Inch	(MM)	PSI	Bar	PSI	Bar	(MM)
VI-100 R3 - 4	1/4"	6.4	03 - 4	0.58	14.7	1,262	87	5,046	348	75
VI-100 R3 - 5	5/16"	7.9	03 - 5	0.69	17.5	1,218	84	4,872	336	100
VI-100 R3 - 6	3/8"	9.5	03 - 6	0.76	19.2	1,131	78	4,524	312	100
VI-100 R3 - 8	1/2"	12.7	03 - 8	0.93	23.5	1,015	70	4,060	280	125
VI-100 R3 - 10	5/8"	15.9	03 - 10	1.06	27.0	885	61	3,538	244	140
VI-100 R3 - 12	3/4"	19.0	03 - 12	1.24	31.5	754	52	3,016	208	150
VI-100 R3 - 16	1"	25.4	03 - 16	1.48	37.5	566	39	2,262	156	205
VI-100 R3 - 20**	1 1/4"	31.8	03 - 20	1.77	45.0	375	26	1,508	104	250
VI-100 R3 - 24**	1 1/2"	38.1	03 - 24	2.05	52.0	250	17	986	68	350
VI-100 R3 - 32**	2"	50.8	03 - 32	2.56	65.0	215	15	870	60	450

** NOTE : SRPPL PROPRIETARY STANDARD NOT COVERED UNDER SAE Std.

"High Temperature" Double Textile Yarn Braid Hose - SAE 100 R3 (MSHA Approved Cover)

APPLICATION : For Low Pressure Hydraulic Lines applied In various applications like Earth Moving and other adjacent Industries

INNER TUBE : Oil-Resistant Synthetic Rubber, **BLACK**

REINFORCEMENT : Double Braid of High-Tensile Textile Yarn

OUTER COVER : Oil, Abrasion and Ozone Resistant Synthetic Rubber, **BLACK**
(Smooth Cover available up to 1" ID)

TEMPERATURE RANGE: - 40°C TO +135°C / - 40°F TO +275°F (For Hydraulic Oil Lines)



Product Code	Hose ID			Hose OD		Max. Working Pressure		Min. Burst Pressure		Min. Bend Radius
	Inch	mm	Dash	Inch	(MM)	PSI	Bar	PSI	Bar	(MM)
VI-100 R3HT - 4	1/4"	6.4	03 - 4	0.58	14.7	1,250	87	5,046	348	75
VI-100 R3HT - 5	5/16"	7.9	03 - 5	0.69	17.5	1,200	83	4,872	336	100
VI-100 R3HT - 6	3/8"	9.5	03 - 6	0.76	19.2	1,125	78	4,524	312	100
VI-100 R3HT - 8	1/2"	12.7	03 - 8	0.93	23.5	1,000	69	4,060	280	125
VI-100 R3HT - 10	5/8"	15.9	03 - 10	1.06	27.0	900	61	3,538	244	140
VI-100 R3HT - 12	3/4"	19.0	03 - 12	1.24	31.5	750	52	3,016	208	150
VI-100 R3HT - 16	1"	25.4	03 - 16	1.48	37.5	563	39	2,262	156	205
VI-100 R3HT - 20**	1 1/4"	31.8	03 - 20	1.77	45.0	375	26	1,508	104	250
VI-100 R3HT - 24**	1 1/2"	38.1	03 - 24	2.05	52.0	300	21	986	68	350
VI-100 R3HT - 32**	2"	50.8	03 - 32	2.56	65.0	215	15	870	60	450

** NOTE : SRPPL PROPRIETARY STANDARD NOT COVERED UNDER SAE Std.

HYDRAULIC HOSE SAE 100 R5C

APPLICATION : For Medium Press, Oil Lubrication System in Railway Diesel Engine
 INNER TUBE : Oil-Resistant Synthetic Rubber, **BLACK**
 REINFORCEMENT : Single Braid of High-Tensile Steel Wire over One Braid of Yarn
 OUTER COVER : **BLACK** Color, Single Braid Of Synthetic Textile Fiber
 TEMPERATURE RANGE: - 40°C TO +100°C / - 40°F TO +212°F (For Hydraulic Oil Lines)



Product Code	Hose ID			Hose OD		Max. Working Pressure		Min. Burst Pressure		Min. Bend Radius
	Inch	mm	Dash	Inch	(MM)	PSI	Bar	PSI	Bar	(MM)
VI-100 R5 - 5	1/4"	6.4	-5	0.59	15.0	3,045	210	12,180	840	85
VI-100 R5 - 6	5/16"	7.9	-6	0.69	17.5	2,277	160	9,106	628	100
VI-100 R5 - 8	13/32"	10.3	-8	0.77	19.5	2,030	140	8,120	560	115
VI-100 R5 - 10	1/2"	12.7	-10	0.92	23.4	1,769	125	7,076	488	140
VI-100 R5 - 12	5/8"	15.9	-12	1.07	27.2	1,523	105	6,090	420	165
VI-100 R5 - 16	7/8"	22.2	-16	1.23	31.2	812	56	3,248	224	185
VI-100 R5 - 20	1-1/8"	28.6	-20	1.50	38.2	624	45	2,494	172	230
VI-100 R5 - 24	1-3/8"	34.9	-24	1.76	44.7	508	35	2,030	140	265
VI-100 R5 - 32	1-13/16"	46.0	-32	2.24	56.8	348	25	1,392	96	335

HYDRAULIC HOSE SAE 100 R5R

APPLICATION : For Medium Press, Oil Lubrication System in Railway Diesel Engine
 INNER TUBE : Oil-Resistant Synthetic Rubber, **BLACK**
 REINFORCEMENT : Single Braid of High-Tensile Steel Wire
 OUTER COVER : Oil, Abrasion and Ozone Resistant Synthetic Rubber, **BLACK**
 TEMPERATURE RANGE: - 40°C TO +100°C / - 40°F TO +212°F (For Hydraulic Oil Lines)



Product Code	Hose ID			Hose OD		Max. Working Pressure		Min. Burst Pressure		Min. Bend Radius
	Inch	mm	Dash	Inch	(MM)	PSI	Bar	PSI	Bar	(MM)
VI-100 R5R - 5	1/4"	6.4	-5	0.59	15.0	3,045	210	12,180	840	85
VI-100 R5R - 6	5/16"	7.9	-6	0.67	17.0	2,277	157	9,106	628	100
VI-100 R5R - 8	13/32"	10.3	-8	0.77	19.6	2,030	140	8,120	560	115
VI-100 R5R - 10	1/2"	12.7	-10	0.92	23.4	1,769	122	7,076	488	140
VI-100 R5R - 12	5/8"	15.9	-12	1.06	27.0	1,523	105	6,090	420	165
VI-100 R5R - 16	7/8"	22.2	-16	1.23	31.2	812	56	3,248	224	185
VI-100 R5R - 20	1-1/8"	28.6	-20	1.52	38.5	624	43	2,494	172	230
VI-100 R5R - 24	1-3/8"	34.9	-24	1.76	44.7	508	35	2,030	140	265
VI-100 R5R - 32	1-13/16"	46.0	-32	2.24	57.0	348	24	1,392	96	335

JACK HOSE

APPLICATION : For Hydraulic Jack Application.
 INNER TUBE : Oil Resistant Synthetic Rubber, **BLACK**
 REINFORCEMENT : Double Braid of High-Tensile Steel Wire
 OUTER COVER : Synthetic Rubber Oil /Water, Weather, Ageing and Abrasion Resistant
 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
	Inch	mm	Dash	Inch	(MM)	PSI	Bar	PSI	Bar	(MM)
VI-JKH-4	1/4"	6.4	-4	0.59"	15.0	10,000	690	20,000	1380	100
VI-JKH-5	3/8"	9.5	-6	0.75"	19.0	10,000	690	20,000	1380	125

TRACTOR TROLLEY HOSE (SINGLE WIRE BRAID)

APPLICATION : For Medium Pressure Hydraulic Application in Tractor Trolley.
 INNER TUBE : Oil-Resistant Synthetic Rubber Compound
 REINFORCEMENT : Single Wire Braid of High-Tensile Steel Wire
 OUTER COVER : Synthetic Rubber Oil / Water, Weather, Ageing and Abrasion-Resistant
 TEMPERATURE RANGE : - 20°C TO +80°C / - 4°F TO +176°F



Product Code	Hose ID			Hose OD		Max. Working Pressure		Min. Burst Pressure		Min. Bend Radius
	Inch	mm	Dash	Inch	(MM)	PSI	Bar	PSI	Bar	(MM)
VI-TTH1-6	3/8"	9.8	-6	0.68"	17.3	2500	172	7500	520	100
VI-TTH1-8	1/2"	12.5	-8	0.80"	20.3	2000	138	6000	415	125

TRACTOR TROLLEY HOSE (DOUBLE WIRE BRAID)

APPLICATION : For High Pressure Hydraulic Application in Tractor Trolley.
 INNER TUBE : Oil-Resistant Synthetic Rubber Compound
 REINFORCEMENT : Double Wire Braid of High-Tensile Steel Wire
 OUTER COVER : Synthetic Rubber Oil / Water, Weather, Ageing and Abrasion-Resistant
 TEMPERATURE RANGE : - 20°C TO +80°C / - 4°F TO +176°F



Product Code	Hose ID			Hose OD		Max. Working Pressure		Min. Burst Pressure		Min. Bend Radius
	Inch	mm	Dash	Inch	(MM)	PSI	Bar	PSI	Bar	(MM)
VI-TTH2-6	3/8"	9.8	-6	0.75"	19.1	3000	207	10000	690	100
VI-TTH2-8	1/2"	12.5	-8	0.87"	22.0	2500	172	8000	550	125

AIR / WATER HOSE EXCEEDS IS 444 : TYPE-1/TYPE-2

APPLICATION	: General Purpose Air & Water Application : In Construction Engineering, Irrigation & etc
INNER TUBE	: Specially Compound Synthetic Rubber, BLACK
REINFORCEMENT	: Single/Double Braid Of High Tenacity Textile Yarn
OUTER COVER	: Modified Natural & Synthetic Blends Of Rubber Compound : With Excellent Ageing, Oil, Weather and Abrasion-Resistant
TEMPERATURE RANGE	: - 40 °C to +80 °C / - 40°F TO +176°F



Product Code	Hose ID			Hose OD		Max. Working Pressure		Min. Burst Pressure		Min. Bend Radius
	Inch	mm	Dash	Inch	(MM)	PSI	Bar	PSI	Bar	(MM)
VI-AWH- 8	1/2"	12.5	-8	0.82	20.80	200	14	800	56	100
VI-AWH- 10	5/8"	16.0	-10	0.96	24.50	200	14	800	56	125
VI-AWH- 12	3/4"	20.0	-12	1.10	28.00	200	14	800	56	150
VI-AWH- 16	1"	25.0	-16	1.42	36.00	200	14	800	56	175
VI-AWH- 20	1 1/4"	31.5	-20	1.67	42.50	200	14	800	56	225
VI-AWH- 24	1 1/2"	38.0	-24	2.01	51.00	200	14	800	56	300
VI-AWH- 32	2"	50.0	-32	2.56	65.00	200	14	800	56	400

PNEUMATIC TOOL HOSE EXCEEDS IS 446 : TYPE-2

APPLICATION	: Recommended for all Types of Industries for Air Compressed Air Application
INNER TUBE	: Synthetic Blends of Rubber Compound
REINFORCEMENT	: Single/Double Braid Of High-Tenacity Textile Yarn
OUTER COVER	: Natural & Synthetic Blends Of Rubber Compound : with Excellent Ageing, Oil, Weather and Abrasion-Resistant
TEMPERATURE RANGE	: - 40 °C TO +80 °C / - 40°F TO +176°F



Product Code	Hose ID			Hose OD		Max. Working Pressure		Min. Burst Pressure		Min. Bend Radius
	Inch	mm	Dash	Inch	(MM)	PSI	Bar	PSI	Bar	(MM)
VI-PT-4	1/4"	6.4	-4	0.53	13.4	230	16	930	64	65
VI-PT-5	5/16"	7.9	-5	0.61	15.4	230	16	930	64	75
VI-PT-6	3/8"	9.5	-6	0.67	17.00	230	16	930	64	75
VI-PT-8	1/2"	12.5	-8	0.87	22.00	230	16	930	64	100
VI-PT-10	5/8"	16.0	-10	1.04	26.50	230	16	930	64	125
VI-PT-12	3/4"	20.0	-12	1.18	30.00	230	16	930	64	150
VI-PT-16	1"	25.0	-16	1.39	35.20	230	16	930	64	175
VI-PT-20	1 1/4"	31.5	-20	1.68	42.70	200	14	800	56	225
VI-PT-24	1 1/2"	38.0	-24	2.01	51.00	200	14	800	56	300
VI-PT-32	2"	50.0	-32	2.56	65.00	200	14	800	56	400

MULTIPURPOSE HOSE - YARN BRAID (SRPPL STD)

APPLICATION	: Recommended for All Types of Pneumatic Tools : Industries for Compressed Air Application
INNER TUBE	: Synthetic Blends of Rubber Compound
REINFORCEMENT	: Single/Double Braid of High Tenacity Textile Yarn
OUTER COVER	: Synthetic Blends of Rubber Compound with Excellent Ageing, Oil, Weather and Abrasion-Resistant
TEMPERATURE RANGE	: -40°C to +80°C / - 40°F to +176°F



Product Code	Hose ID			Hose OD		Max. Working Pressure		Min. Burst Pressure		Min. Bend Radius
	Inch	mm	Dash	Inch	(MM)	PSI	Bar	PSI	Bar	(MM)
VI-MPH-4	1/4"	6.4	-4	0.53"	13.40	300	21	1200	84	65
VI-MPH-5	5/16"	7.9	-5	0.61"	15.40	300	21	1200	84	75
VI-MPH-6	3/8"	9.5	-6	0.67"	17.00	300	21	1200	84	75
VI-MPH-8	1/2"	12.5	-8	0.87"	22.00	300	21	1200	84	100
VI-MPH-10	5/8"	16.0	-10	1.04"	26.50	300	21	1200	84	125
VI-MPH-12	3/4"	20.0	-12	1.18"	30.00	300	21	1200	84	150
VI-MPH-16	1"	25.0	-16	1.39"	35.20	300	21	1200	84	175
VI-MPH-20	1 1/4"	31.5	-20	1.68"	42.70	300	21	1200	84	225
VI-MPH-24	1 1/2"	38.0	-24	2.01"	51.00	300	21	1200	84	300
VI-MPH-32	2"	50.0	-32	2.56"	65.00	300	21	1200	84	400

WELDING HOSE EXCEEDS IS 447

APPLICATION	: For Gas Welding / Cutting in Fabrication
INNER TUBE	: Synthetic Rubber Based Compound
REINFORCEMENT	: Synthetic Yarn
OUTER COVER	: Modified Natural & Synthetic Blends Of Rubber Compound With Excellent Ageing, Abrasion & Weather Resistance
TEMPERATURE RANGE	: -40° C TO +80° C / -40°F TO +176°F



Product Code	Hose ID			Hose OD		Max. Working Pressure		Min. Burst Pressure		Min. Bend Radius
	Inch	mm	Dash	Inch	(MM)	PSI	Bar	PSI	Bar	(MM)
VI-WL-5	5/16"	7.9	-5	0.59"	15.00	300	21	1200	84	85
VI-WL-6	3/8"	9.5	-6	0.69"	17.50	300	21	1200	84	100
VI-WL-8	1/2"	12.5	-8	0.83"	21.00	300	21	1200	84	120

ROCK DRILL HOSE - (TEXTILE BRAID) EXCEEDS IS 446 TYPE 3

APPLICATION	: Pneumatic Application in Industry, Construction, Open Cast Minies & Quarries
INNER TUBE	: Specially Compounded Synthetic Rubber, BLACK -Resistant to Oil, Mist And Air
REINFORCEMENT	: Double Braid of High-Tenacity Synthetic Yarn
OUTER COVER	: Black Abrasion Resistant, Synthetic Rubber, Wrap Finish
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
	Inch	mm	Dash	Inch	(MM)	PSI	Bar	PSI	Bar	(MM)
VI-RD-8	1/2"	12.5	-8	1.02	26.00	300	21	1200	84	125
VI-RD-12	3/4"	20.0	-12	1.24	31.50	300	21	1200	84	150
VI-RD-16	1"	25.0	-16	1.50	38.00	300	21	1200	84	200
VI-RD-20	1 1/4"	31.5	-20	1.69	43.00	200	14	800	56	250
VI-RD-24	1 1/2"	38.0	-24	1.99	50.50	200	14	800	56	275
VI-RD-32	2"	50.0	-32	2.50	63.50	200	14	800	56	300

SUPER ROCK DRILL HOSE - (WIRE BRAID) EXCEEDS IS 446 TYPE 3

APPLICATION	: Pneumatic Application in Industry, Construction, Open Cast Minies & Quarries
INNER TUBE	: Specially Compounded Synthetic Rubber, BLACK -Resistant to Oil, Mist And Air
REINFORCEMENT	: Single Braid of High Tensile Wire
OUTER COVER	: Black Abrasion Resistant, Synthetic Rubber, Wrap Finish
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
	Inch	mm	Dash	Inch	(MM)	PSI	Bar	PSI	Bar	(MM)
VI-SRD-8	1/2"	12.5	-8	0.83	21.00	500	35	2000	140	125
VI-SRD-12	3/4"	20.0	-12	1.11	28.30	500	35	2000	140	150
VI-SRD-16	1"	25.0	-16	1.40	35.50	500	35	2000	140	200
VI-SRD-20	1 1/4"	31.5	-20	1.69	43.00	500	35	2000	140	250
VI-SRD-24	1 1/2"	38.0	-24	1.97	50.00	500	35	2000	140	275
VI-SRD-32	2"	50.0	-32	2.50	63.50	500	35	2000	140	300

HIGH TEMP. COMPRESSED AIR DRILL HOSE - (WIRE BRAID) EXCEEDS IS 446 TYPE 3

APPLICATION	: Pneumatic Application in Industry, Construction, Open Cast Minies & Quarries
INNER TUBE	: Specially Compounded Synthetic Rubber, BLACK -Resistant to Oil, Mist and Air
REINFORCEMENT	: Single Braid of High Tensile Wire
OUTER COVER	: Black Abrasion Resistant, Synthetic Rubber, Wrap Finish
TEMPERATURE RANGE	: - 40°C TO +135°C / - 40°F TO +275°F



Product Code	Hose ID			Hose OD		Max. Working Pressure		Min. Burst Pressure		Min. Bend Radius
	Inch	mm	Dash	Inch	(MM)	PSI	Bar	PSI	Bar	(MM)
VI-CRDHT-8	1/2"	12.5	-8	0.83	21.00	1250	86	5000	345	125
VI-CRDHT-12	3/4"	20.0	-12	1.11	28.30	1250	86	5000	345	150
VI-CRDHT-16	1"	25.0	-16	1.40	35.50	1250	86	5000	345	200
VI-CRDHT-20	1 1/4"	31.5	-20	1.69	43.00	1250	86	5000	345	250
VI-CRDHT-24	1 1/2"	38.0	-24	1.97	50.00	1250	86	5000	345	275
VI-CRDHT-32	2"	50.0	-32	2.50	63.50	1250	86	5000	345	300

"EXTREME HIGH TEMPERATURE" RIG HOSE

APPLICATION	: Specially Designed for Compressed Air Applications, Drilling Rigs, Construction Quarries and General Industry
INNER TUBE	: BLACK Color Synthetic Rubber Resistant to High Temperature Air
REINFORCEMENT	: Double Braid of High-Tensile Steel Wire
OUTER COVER	: BLUE color, Pin Pricked Abrasion Resistant, Synthetic Rubber - Wrap Finish
TEMPERATURE RANGE	: - 40 °C to +150 °C / - 40° F to +302° F



Product Code	Hose ID			Hose OD		Max. Working Pressure		Min. Burst Pressure		Min. Bend Radius
	Inch	mm	Dash	Inch	(MM)	PSI	Bar	PSI	Bar	(MM)
VI-RIG-20	1 1/4"	32.0	-20	1.87	47.50	1815	125	7250	500	420
VI-RIG-24	1 1/2"	38.0	-24	2.15	54.50	1300	90	5200	360	500
VI-RIG-32	2"	50.0	-32	2.64	67.00	1160	80	4640	320	630

CARBON FREE HOSE

- APPLICATION** : Recommended for Low Leakage Current less than 20-Micro Amp. at 6000v D.C.
Carbon Free Hoses Recommended for Furnace Coolant & Electrical Cable Coolant Applications in Steel Industry and other Non-conductive Application.
- INNER TUBE** : Specially Engineered Non Conductive Synthetic Rubber, WHITE
- REINFORCEMENT** : One or Two Layers of High Tenacity Synthetic Yarn (subjected to Hose ID)
- OUTER COVER** : **GREEN**, Synthetic Rubber Compound with Abrasion, Ageing & Weather Resistant
- TEMPERATURE RANGE** : For -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
	Inch	mm	Dash	Inch	(MM)	PSI	Bar	PSI	Bar	(MM)
VI-CF-8	1/2"	12.5	-8	0.83	21.20	250	17.2	1000	69	100
VI -CF-10	5/8"	16	-10	1.02	26.00	250	17.2	1000	69	125
VI -CF-12	3/4"	20	-12	1.18	30.00	250	17.2	1000	69	150
VI CF-16	1"	25	-16	1.48	37.50	250	17.2	1000	69	175
VI-CF-20	1 1/4"	31.5	-20	1.73	44.00	250	17.2	1000	69	225
VI-CF-24	1 1/2"	38	-24	2.04	51.70	250	17.2	1000	69	300
VI-CF-32	2"	50	-32	2.58	65.50	200	14.0	800	56	400

STEAM HOSE (TEXTILE) EXCEEDS IS 10655 TYPE-1 & BS 5342

- APPLICATION** : For Saturated Steam Applications in Refineries, Shipyards, Chemical Plants, Steel Mills, Foundries and Heavy Industrial Applications
- INNER TUBE** : Heat Resistant EPDM Rubber Compound
- REINFORCEMENT** : High-Tenacity Double Yarn Braid
- OUTER COVER** : **RED**, Heat Resistant Synthetic Rubber Compound with Excellent Ozone and Ageing Resistant
- TEMPERATURE RANGE** : - 40°C TO +185°C / - 40°F TO +365°F



Product Code	Hose ID			Hose OD		Max. Working Pressure		Min. Burst Pressure		Min. Bend Radius
	Inch	mm	Dash	Inch	(MM)	PSI	Bar	PSI	Bar	(MM)
VI-SH-8	1/2"	12.5	-8	0.87	22.00	90	10	870	60	180
VI-SH-12	3/4"	20	-12	1.22	31.00	90	10	870	60	240
VI-SH-16	1"	25	-16	1.50	38.00	90	10	870	60	300
VI-SH-20	1 1/4"	31.5	-20	1.73	44.00	90	10	870	60	400
VI-SH-24	1 1/2"	38	-24	2.05	52.00	90	10	870	60	500
VI-SH-32	2"	50	-32	2.60	66.00	90	10	870	60	650

STEAM HOSE (SINGLE WIRE) EXCEEDS IS 10655 TYPE-2 & BS 5342 TYPE-1

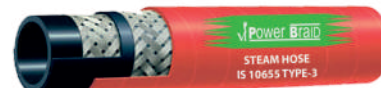
- APPLICATION** : For Saturated Steam Applications in Refineries, Shipyards, Chemical Plants, Steel Mills, Foundries and Heavy Industrial Applications
- INNER TUBE** : Heat Resistant EPDM Rubber Compound
- REINFORCEMENT** : Single Braid of High-Tensile Steel Wire
- OUTER COVER** : **RED**, Steam and Heat Resistant EPDM Rubber Compound with Excellent Ozone and Ageing Resistant
- TEMPERATURE RANGE** : Service Temperature up to + 185°C / 365°F



Product Code	Hose ID			Hose OD		Max. Working Pressure		Min. Burst Pressure		Min. Bend Radius
	Inch	mm	Dash	Inch	(MM)	PSI	Bar	PSI	Bar	(MM)
VI-SH1-6	3/8"	9.5	-6	0.79	20.00	150	10	1500	100	125
VI-SH1-8	1/2"	12.5	-8	0.91	23.00	150	10	1500	100	180
VI-SH1-10	5/8"	16.0	-10	1.00	25.50	150	10	1500	100	200
VI-SH1-12	3/4"	20.0	-12	1.14	29.00	150	10	1500	100	240
VI-SH1-16	1"	25.0	-16	1.42	36.00	150	10	1500	100	300
VI-SH1-20	1 1/4"	31.5	-20	1.69	43.00	150	10	1500	100	400
VI-SH1-24	1 1/2"	38.0	-24	1.97	50.00	150	10	1500	100	500
VI-SH1-32	2"	50.0	-32	2.48	63.00	150	10	1500	100	650

STEAM HOSE (DOUBLE WIRE) EXCEEDS IS 10655 TYPE-3 & BS 5342 TYPE - 2

- APPLICATION** : It is Used in Refineries, Shipyards, Chemical Plants, Steel Mills, Foundries and Heavy Industrial Applications
- INNER TUBE** : Heat Resistant EPDM Rubber Compound
- REINFORCEMENT** : Double Wire Braid
- OUTER COVER** : **RED**, Steam and Heat Resistant EPDM Rubber Compound with Excellent Ozone and Ageing Resistant
- TEMPERATURE RANGE** : Service Temperature up to +230°C / 446°F



Product Code	Hose ID			Hose OD		Max. Working Pressure		Min. Burst Pressure		Min. Bend Radius
	Inch	mm	Dash	Inch	(MM)	PSI	Bar	PSI	Bar	(MM)
VI-SH2-6	3/8"	9.5	-6	0.85"	21.50	260	18	2610	180	125
VI-SH2-8	1/2"	12.5	-8	0.98"	24.80	260	18	2610	180	180
VI-SH2-10	5/8"	16.0	-10	1.16"	29.50	260	18	2610	180	200
VI-SH2-12	3/4"	20.0	-12	1.28"	32.50	260	18	2610	180	240
VI-SH2-16	1"	25.0	-16	1.56"	39.50	260	18	2610	180	300
VI-SH2-20	1 1/4"	31.5	-20	1.87"	47.50	260	18	2610	180	400
VI-SH2-24	1 1/2"	38.0	-24	2.14"	54.30	260	18	2610	180	500
VI-SH2-32	2"	50.0	-32	2.66"	67.50	260	18	2610	180	650

SAND / SHOT BLAST HOSE EXCEEDS IS : 5894 TYPE - 2

RECOMMENDED FOR	: For Cleaning / Blasting Metal, Stone & Concrete Surfaces with Sand, Garnet & other Abrasive Material
INNER TUBE	: Extra Thick Seamless Rubber Lining Free From Mineral Filler, with High Resilience and Abrasion Resistance.
REINFORCEMENT	: Suitable Braids with Textile Yarn & Static Wire
OUTER COVER	: Highly Abrasion Resistance Rubber Compound with Excellent Ozone and Weather Resistant.
TEMPERATURE RANGE	: -40° C to +70° C / -40° F TO +158° F
SPECIFICATION	: Exceeds IS : 5894 TYPE - 2



Product Code	Hose ID			Hose OD		Max. Working Pressure		Min. Burst Pressure		Min. Bend Radius
	Inch	mm	Dash	Inch	(MM)	PSI	Bar	PSI	Bar	(MM)
VI - SB - 12	3/4"	20.0	-12	1.52"	38.50	145	10	580	40	200
VI - SB - 16	1"	25.0	-16	1.77"	45.00	145	10	580	40	300
VI - SB - 20	1 1/4"	31.5	-20	2.07"	52.50	145	10	580	40	450
VI - SB - 24	1 1/2"	38.0	-24	2.28"	58.00	145	10	580	40	550
VI - SB - 32	2"	50.0	-32	2.83"	72.00	145	10	580	40	650

SUPREME SAND / SHOT BLAST HOSE EXCEEDS IS : 5894 TYPE - 2

RECOMMENDED FOR	: For Cleaning / Blasting Metal, Stone & Concrete Surfaces with Sand, Garnet & other Abrasive Material
INNER TUBE	: Extra Thick Seamless Rubber Lining Free From Mineral Filler, with High Resilience and Abrasion Resistance.
REINFORCEMENT	: Suitable Braids with Textile Yarn & Static Wire.
OUTER COVER	: Highly Abrasion Resistance Rubber Compound with Excellent Ozone and Weather Resistant.
TEMPERATURE RANGE	: -40°C TO +80°C / -40°F TO 176°F
SPECIFICATION	: Exceed IS : 5894 TYPE - 2



Product Code	Hose ID			Hose OD		Max. Working Pressure		Min. Burst Pressure		Min. Bend Radius
	Inch	mm	Dash	Inch	(MM)	PSI	Bar	PSI	Bar	(MM)
VI-SSB-12	3/4"	20.0	-12	1.31	33.20	175	12	700	48	200
VI-SSB-16	1"	25.0	-16	1.54	39.20	175	12	700	48	300
VI-SSB-20	1 1/4"	31.5	-20	1.90	48.20	175	12	700	48	450
VI-SSB-24	1 1/2"	38.0	-24	2.21	56.20	175	12	700	48	550

CHEMICAL HOSES - (TEXTILE) EXCEEDS IS 7654 TYPE - 2

APPLICATION	: Designed for a Wide Range of Chemicals, Dilute Acids, Alkalies & Alcoholic Materials.
INNER TUBE	: Synthetic Rubber Tube, EPDM, White or Black
REINFORCEMENT	: High Tenacity Synthetic Yarn Braid
OUTER COVER	: Chemical Resistance Rubber Compound with Heat, Abrasion, Ageing and Weather Resistant.
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
	Inch	mm	Dash	Inch	(MM)	PSI	Bar	PSI	Bar	(MM)
VI-CH-12	3/4"	20	-12	1.22"	31.00	170	12	700	48	152
VI-CH-16	1"	25	-16	1.49"	38.00	170	12	700	48	203
VI-CH-20	1 1/4"	31.5	-20	1.77"	45.00	170	12	700	48	215
VI-CH-24	1 1/2"	38	-24	2.05"	52.00	170	12	700	48	254
VI-CH-32	2"	50	-32	2.60"	66.00	170	12	700	48	355

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

RECOMMENDED FOR	: Dispensing of all types of Gasoline / Petrol and Diesel in Service Station and all types of Fuel Dispensing Pumps
INNER TUBE	: Black Oil & Gasoline Resistant Synthetic Rubber Blend
REINFORCEMENT	: Single High Tensile Steel Wire Braid
OUTER COVER	: Oil, Weather, Abrasion, Ozone and Heat Resistant Synthetic Rubber Blend. (Wrap / Smooth Finish available)
TEMPERATURE RANGE	: - 30 °C to +55 °C / - 22° F to +131° F



Product Code	Hose ID			Hose OD		Max. Working Pressure		Min. Burst Pressure		Min. Bend Radius
	Inch	mm	Dash	Inch	(MM)	PSI	Bar	PSI	Bar	(MM)
VI-FD-8	1/2"	12.5	-8	0.83"	21.0	240	16	700	48	60
VI-FD-10	5/8"	16.0	-10	1"	25.5	240	16	700	48	80
VI-FD-12	3/4"	19.0	-12	1.10"	28.0	240	16	700	48	100
VI-FD-16	1"	25.0	-16	1.36"	34.5	240	16	700	48	150

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

- APPLICATION** : Low-Pressure Flexible Fuel Line with End Connection of onboard Fuel System Components, Intended for Use on Motor Vehicles Defined in IS : 14272 (Part 1), Two Wheelers and Construction Equipment Vehicles (CEV's)
- INNER TUBE** : CNG, Advanced Gasoline and other Fuel Resistant Synthetic Rubber Blend.
- REINFORCEMENT** : Single Braid of High Tenacity Synthetic Yarn
- OUTER COVER** : Weather, Abrasion, Ozone and Heat Resistant Specially Compounded Synthetic Rubber **(Smooth Cover also available)**
- 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
	Inch	mm	Dash	Inch	(MM)	PSI	Bar	PSI	Bar	(MM)
VI-CNG-3	3/16"	4.7	-3	0.44	11.10	305	21	700	48	54
VI-CNG-4	1/4"	6.3	-4	0.52	13.10	305	21	700	48	66
VI-CNG-5	5/16"	7.9	-5	0.57	14.60	305	21	700	48	74
VI-CNG-6	3/8"	9.5	-6	0.64	16.20	305	21	700	48	82
VI-CNG-8	1/2"	12.7	-8	0.79	20.00	305	21	700	48	103
VI-CNG-10	5/8"	15.4	-10	0.94	23.80	305	21	700	48	125
VI-CNG-12	3/4"	19.1	-12	1.13	28.60	305	21	700	48	152
VI-CNG-16	1"	25.4	-16	1.39	35.20	305	21	700	48	178

AUTOMOTIVE AIR BRAKE HOSE (SAE J 1402)

- 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** : Single Braided High Tensile Synthetic Textile Braid
- OUTER COVER** : Weather, Abrasion, Ozone and Heat Resistant Specially Compounded CR Rubber **(Smooth Cover also available)**
- 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
	Inch	mm	Dash	Inch	(MM)	PSI	Bar	PSI	Bar	(MM)
VI-ABH-4	1/4"	6.3	-4	0.61	15.50	105	10	900	60	64
VI-ABH-5	5/16"	7.9	-5	0.67	17.00	105	10	900	60	76
VI-ABH-6	3/8"	9.5	-6	0.75	19.00	105	10	900	60	89
VI-ABH-7	7/16"	11.5	-7	0.82	21.00	105	10	900	60	102
VI-ABH-8	1/2"	12.7	-8	0.82	21.00	105	10	900	60	102
VI-ABH-10	5/8"	15.4	-10	0.87	22.20	105	10	900	60	114

AUTOMOTIVE A . C. HOSE (SINGLE BRAID) EXCEEDS SAE J 2064, TYPE - A

- RECOMMENDED FOR** : Designed for application using refrigerant 134A only
- INNER TUBE** : Highly Impermeable Synthetic Rubber. Compressed Air and Heat
Resistance Specially Compounded Synthetic Rubber Blend
- REINFORCEMENT** : Single High Tensile Synthetic Textile Braid
- OUTER COVER** : Weather, Abrasion, Ozone and Heat Resistant Synthetic Elastomer
- TEMPERATURE RANGE** : -40° C to + 125° C / - 40° F to +257° F



Product Code	Hose ID			Hose OD		Max. Working Pressure		Min. Burst Pressure		Min. Bend Radius
	Inch	mm	Dash	Inch	(MM)	PSI	Bar	PSI	Bar	(MM)
VI-AC1-5	5/16"	8.1	-5	0.70	17.80	537	37	2132	147	100
VI-AC1-6	3/8"	10.6	-6	0.87	22.20	537	37	2132	147	115
VI-AC1-7	7/16"	13.0	-7	0.96	24.30	537	37	2132	147	130
VI-AC1-8	1/2"	14.5	-8	1.00	25.40	537	37	2132	147	150
VI-AC1-10	5/8"	16.1	-10	1.06	27.00	537	37	2132	147	150

AUTOMOTIVE A . C. HOSE (DOUBLE BRAID) EXCEEDS SAE J 2064, TYPE - A

- RECOMMENDED FOR** : Designed for application using refrigerant 134A only
- INNER TUBE** : Highly Impermeable Synthetic Rubber. Compressed Air and Heat
Resistance Specially Compounded Synthetic Rubber Blend
- REINFORCEMENT** : Double High Tensile Synthetic Textile Braid
- OUTER COVER** : Weather, Abrasion, Ozone and Heat Resistant Synthetic Elastomer
- TEMPERATURE RANGE** : -40° C to + 125° C / - 40° F to +257° F



Product Code	Hose ID			Hose OD		Max. Working Pressure		Min. Burst Pressure		Min. Bend Radius
	Inch	mm	Dash	Inch	(MM)	PSI	Bar	PSI	Bar	(MM)
VI-AC2-5	5/16"	8.1	-5	0.75	19.10	537	37	2132	147	100
VI-AC2-6	3/8"	10.6	-6	0.91	23.10	537	37	2132	147	115
VI-AC2-7	7/16"	13.0	-7	1.00	25.40	537	37	2132	147	130
VI-AC2-8	1/2"	14.5	-8	1.06	27.10	537	37	2132	147	150

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

RECOMMENDED FOR : Transfer of LPG, Liquid or Gaseous Natural Gases
INNER TUBE : LPG & Natural Gas Resistance NBR (Black)
REINFORCEMENT : Single High Tensile Steel Wire Braid
OUTER COVER : Perforated Synthetic Rubber with Excellent Resistance to Abrasion, Weather and LPG, **BLACK - Wrap Finish**
TEMPERATURE RANGE : - 40°C TO +70°C / - 40° F TO +158° F



Product Code	Hose ID		Hose OD (MM)	Max. Working Pressure		Min. Burst Pressure		Min. Bend Radius (MM)
	Nominal Size	Bore Diameter		PSI	Bar	PSI	Bar	
VI-LPG-9573-1-6	6	6.5	12.0	363	25	1450	100	70
VI-LPG-9573-1-7**	8	8.3	14.9	363	25	1450	100	95
VI-LPG-9573-1-8	10	10.7	17.3	363	25	1450	100	120
VI-LPG-9573-1-9	12	13.2	22.7	363	25	1450	100	150
VI-LPG-9573-1-10	15	15.5	24.0	363	25	1450	100	120
VI-LPG-9573-1-11	16	16.4	25.9	363	25	1450	100	185
VI-LPG-9573-1-12	19	19.2	28.7	363	25	1450	100	225
VI-LPG-9573-1-13	22	22.7	35.2	363	25	1450	100	260
VI-LPG-9573-1-14	25	25.5	38.0	363	25	1450	100	300

**Note : LPG-9573-1-7 with 8mm size is ARAI Approved.

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

RECOMMENDED FOR : Low Pressure – LPG Application
INNER TUBE : Synthetic Rubber, Resistant to LPG
REINFORCEMENT : Single High Tensile Steel Wire Braid
OUTER COVER : Perforated Orange Colour Synthetic Rubber for Oil, Weather & Ozone Resistance.
TEMPERATURE RANGE : - 40°C TO +70°C / - 40° F to +158° F



Product Code	Hose ID		Hose OD (MM)	Max. Working Pressure		Min. Burst Pressure		Min. Bend Radius (MM)
	Inch	mm		PSI	Bar	PSI	Bar	
VI-LPG-9573-2-5	5/16"	8.3	15.00	145	10	580	40	95
VI-LPG-9573-2-8	3/8"	10	17.20	145	10	580	40	120
VI-LPG-9573-2-9	1/2"	12	22.70	145	10	580	40	140

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

RECOMMENDED FOR : Transfer of LPG, Liquid or Gaseous Natural Gases in Industries.

INNER TUBE : Specially Compounded N-pentane Resistance NBR (BLACK)

REINFORCEMENT : Single Braid of High Tensile Steel Wire

OUTER COVER : Perforated Synthetic Rubber with Excellent Resistance to Abrasion, Weather and LPG, **BLACK** - Wrap Finish

TEMPERATURE RANGE : - 40°C TO + 70°C / - 40° F TO 158° F



Product Code	Hose ID		Hose OD	Max. Working Pressure		Min. Burst Pressure		Min. Bend Radius
	mm	Inch	(MM)	PSI	Bar	PSI	Bar	(MM)
VI-LPG-1762-1-6	12.7	1/2"	22.50	360	25	1450	100	100
VI-LPG-1762-1-7	15.9	5/8"	25.90	360	25	1450	100	125
VI-LPG-1762-1-8	19.0	3/4"	30.50	360	25	1450	100	160
VI-LPG-1762-1-9	25.0	1"	38.00	360	25	1450	100	200
VI-LPG-1762-1-10	32.0	1 1/4"	45.00	360	25	1450	100	250
VI-LPG-1762-1-11	38.0	1 1/2"	52.00	360	25	1450	100	320
VI-LPG-1762-1-12	50.0	2"	66.50	360	25	1450	100	400

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 / - 13° F TO +140° F



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
- INNER TUBE : **Black/Orange/White**, Smooth Synthetic Rubber Compound Resistant to Outdoor Exposure
- TEMPERATURE RANGE : - 25°C to + 60°C / - 13° F to +140° F



Product Code	Hose ID		Hose OD	Max. Working Pressure		Min. Burst Pressure		Min. Bend Radius
	mm	Inch	(MM)	PSI	Bar	PSI	Bar	(MM)
3212-1-4	6.3	1/4"	13.2	0.725	0.05	2.90	0.20	72
3212-1-5	8.0	5/16"	15.0	0.725	0.05	2.90	0.20	96
3212-1-6	10.0	3/8"	17.0	0.725	0.05	2.90	0.20	120
3212-1-8	12.5	1/2"	20.0	0.725	0.05	2.90	0.20	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 High Tenacity Yarn / Steel Wire Braid
- OUTER COVER : Perforated Orange Colour Synthetic Rubber for Oil, Weather & Ozone Resistance
- TEMPERATURE RANGE : - 25°C to +60°C / - 13° F to +140° F



Product Code	Hose ID		Hose OD	Max. Working Pressure		Min. Burst Pressure		Min. Bend Radius
	mm	Inch	(MM)	PSI	Bar	PSI	Bar	(MM)
3212-2-4	6.3	1/4"	14.0	254	17.5	754	52	72
3212-2-5	8.0	5/16"	15.0	254	17.5	754	52	96
3212-2-6	10.0	3/8"	17.0	254	17.5	754	52	120
3212-2-8	12.5	1/2"	20.2	254	17.5	754	52	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 Mixture (LPG) of Butane & Propane

TEMPERATURE RANGE : - 20°C to + 70°C / - 4° F to 158° F



Product Code	Hose ID	Hose OD	Max. Working Pressure		Min. Burst Pressure		Min. Bend Radius
	mm	(MM)	PSI	Bar	PSI	Bar	(MM)
EN 16436-1-6	6.3	13.5	2.9	0.2	50	3.50	77
EN 16436-1-8	8.0	15.0	2.9	0.2	50	3.50	96
EN 16436-1-9	10.0	20.0	2.9	0.2	50	3.50	120

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 Mixture (LPG) of Butane & Propane

REINFORCEMENT : Single High Tenacity Yarn Braid

OUTER COVER : Perforated **Black/Orange** Color Synthetic Rubber for Oil & Weather Resistance

TEMPERATURE RANGE : - 30°C to + 70°C / - 22° F to 158° F



Product Code	Hose ID	Hose OD	Max. Working Pressure		Min. Burst Pressure		Min. Bend Radius
	mm	(MM)	PSI	Bar	PSI	Bar	(MM)
EN 16436-2-6	6.3	16.5	145	10	435	30	77
EN 16436-2-8	8.0	18.0	145	10	435	30	96
EN 16436-2-9	10.0	20.0	145	10	435	30	120

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 Mixture (LPG) of Butane & Propane

REINFORCEMENT : Single High Tenacity Yarn Braid

OUTER COVER : Perforated **Black/Orange** Colour Synthetic Rubber for Oil & Weather Resistance

TEMPERATURE RANGE : - 30°C to + 70°C / - 22° F to 158° F



Product Code	Hose ID	Hose OD	Max. Working Pressure		Min. Burst Pressure		Min. Bend Radius
	mm	(MM)	PSI	Bar	PSI	Bar	(MM)
EN 16436-3-6	6.3	16.5	435	30	1300	90	77
EN 16436-3-8	8.0	18	435	30	1300	90	96
EN 16436-3-9	10.0	20	435	30	1300	90	120

CERTIFICATION



SURAKSHA RUBBER PRODUCTS PVT. LTD.



WE THINK | WE BUILD | WE DELIVER

U.S. Department of Labor
Mine Safety and Health Administration
Approval and Certification Center
705 Technology Drive
Tomball, Texas 77375

1089 Fax: 282-7596
FAR 17149

To: Mr. Ravi Kumar
Suraksha Rubber Products Pvt. Ltd.
Killa No. 2513 & 14
Village Ramnagar, Tahsil - Gannaur
District - Sonapat, Haryana - 131039
INDIA

Re: 17, 2022

Dear Mr. Ravi Kumar:

The review of your application dated February 25, 2022, Company Code No. SR2580, for the
Conformity Code (NUSA) has been completed.

This certification and the information provided meet the requirements of the Standard
Application Procedures for Approval of These Standardized Products, taken into account.

The following requirements apply to this application:

1. Approval Marking No. "MSHA-AC-3074" must be permanently marked on the product
with letters at least 1/8" high and at intervals not exceeding 3 feet. Other types of permanent
marking may be used with approval from MSHA.
2. The acceptance marking shall be in 1/16" x 1/16" size.
3. You are obligated, as the manufacturer, to maintain the quality of the product to assure the
requirements of this acceptance marking.
4. Any change in product composition or in any other factors that may affect this acceptance
marking must not be made without prior notification from MSHA.
5. You have the right to revoke this acceptance for cause at any time.
6. This product's acceptance is not for use in flagging or fire suppression tests.
7. We want to be notified of any transfer of production or ownership of this product.

As incentive 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 & 14 VILLAGE RAMNAGAR, TEHSIL GANNOUR, DISTRICT
SONPAT, HARYANA - 131039, INDIA

has been assessed and found to conform to the requirements of
ISO 9001:2015
for the following scope:
MANUFACTURING & SUPPLY OF RUBBER HOSES FOR LUG,
INDUSTRIAL, HYDRAULIC & AUTOMOTIVE HOSES WITH HOSE ASSEMBLIES,
MULTIPURPOSE FLAME GARD, PORTABLE FIRE EXTINGUISHERS.

Certificate No. SRPPL/ISO/2015/001
Initial Registration Date: 11/05/2024
Date of Expiry: 11/05/2026
Issued Date: 11/05/2024
2nd Issue Date: 11/05/2026

ISO 9001:2015

IAF elac

"SRPPL" QMS ISO 9001:2015

Certificate of Compliance

We hereby declare that the product complies with the requirements of
Standard BS EN 1360:2013.

Certificate No. UQ-2024/02903

Manufacturer:
Name: SURAKSHA RUBBER PRODUCTS PVT. LTD.
Address: KILLA NO-2513 & 14 VILLAGE RAMNAGAR, TEHSIL
GANNOUR, DISTRICT SONPAT-131039, HARYANA, INDIA

Product: MANUFACTURING & SUPPLY OF RUBBER HOSES
AND HOSE ASSEMBLIES FOR MEASURED PULSING
SYSTEMS

The Certification body has performed an audit of the above product and system covering
the design, development and production of the product. The audit system
has been assessed, approved and is subject to continuous surveillance according to Directive
2011/35/EU.

The certificate is issued under the following conditions:

1. It applies only to the product system as described in the certificate.
2. The certificate remains valid until the manufacturing conditions are changed.
3. The certificate holder is responsible for the maintenance of the product system and the
product system shall be kept up to date.
4. After holding the certificate, the certificate holder shall allow the
audit of the product system.
5. Compliance with the certificate holder's order requirements has been covered by
the certificate holder.

Validity of this certificate can be verified at www.certification.org.uk

Date of Certification: 29th October 2024
1st Surveillance Audit Due: 28th October 2025
2nd Surveillance Audit Due: 28th October 2026
Certificate Expiry (subject to the latest monitoring in
system to the report standard): 28th October 2027

Authorised Signatory: [Signature]

2014/34/EU "ATEX"

Certificate of Compliance

We hereby declare that the product complies with the requirements of
BS EN 1360:2013.

Certificate No. UQ-2024/02903

Manufacturer:
Name: SURAKSHA RUBBER PRODUCTS PVT. LTD.
Address: KILLA NO-2513 & 14 VILLAGE RAMNAGAR, TEHSIL
GANNOUR, DISTRICT SONPAT-131039, HARYANA, INDIA

Product: MANUFACTURING & SUPPLY OF RUBBER HOSES
AND HOSE ASSEMBLIES FOR MEASURED PULSING
SYSTEMS

The Certification body has performed an audit of the above product and system covering
the design, development and production of the product. The audit system
has been assessed, approved and is subject to continuous surveillance according to Directive
2011/35/EU.

The certificate is issued under the following conditions:

1. It applies only to the product system as described in the certificate.
2. The certificate remains valid until the manufacturing conditions are changed.
3. The certificate holder is responsible for the maintenance of the product system and the
product system shall be kept up to date.
4. After holding the certificate, the certificate holder shall allow the
audit of the product system.
5. Compliance with the certificate holder's order requirements has been covered by
the certificate holder.

Validity of this certificate can be verified at www.certification.org.uk

Date of Certification: 29th October 2024
1st Surveillance Audit Due: 28th October 2025
2nd Surveillance Audit Due: 28th October 2026
Certificate Expiry (subject to the latest monitoring in
system to the report standard): 28th October 2027

Authorised Signatory: [Signature]

BS EN 1360:2013 "ATEX"

DNV

ACKNOWLEDGEMENT OF RECEIPT - EU

Advantage/Document Number: CMB001 Issue 5

This Acknowledgement consists of 2 pages

This is to confirm that the Technical File for the following product(s):
We understand and accept the conditions for the use of the product(s) for the intended purpose.
(Type S, L, or M) as per EN 1360:2013.

With the type designation(s): New type

Manufactured by:
Suraksha Rubber Products Pvt. Ltd.
Killa No. 2513 & 14 Village Ramnagar, Tahsil Gannaur, District Sonapat - 131039, Haryana, India

For the use of the product(s) for the intended purpose, the product(s) shall be used in accordance with the conditions of use.
(Type S, L, or M) as per EN 1360:2013.

Further details are given below:

Declaration:
Only Product Advantage A is approved by the Notified Body for CE Marking as per EN 1360:2013.

Date of Receipt: 2023-11-14
Valid until: 2023-11-14

DNV

LERC LPG EQUIPMENT RESEARCH CENTRE
BENGALURU
A JOINT VENTURE OF IOCL, BPCL, HPCL
UNDER THE AEGIS OF MINISTRY OF PETROLEUM & NATURAL GAS

CERTIFICATE

This is to certify that the **SURAKSHA LPG HOSE** manufactured by **M/s Suraksha Rubber Products Pvt Ltd**, is tested at LERC, Bangalore and is meeting the required specifications as per the Technical Document issued by LERC, Bangalore. It is certified for use with LPG & LPG related Products.

LERC has entered into Channel Partner Agreement no. LERC/RH/L-33 (R) dated 04.12.2024 (valid till 05.12.2025) with **M/s Suraksha Rubber Products Pvt Ltd** for Manufacturing and Marketing of **SURAKSHA LPG HOSE**.

Date: 04.12.2024
Place: Bengaluru

CEO, LERC

"SRPPL" LERC

AIRIA

ALL INDIA RUBBER INDUSTRIES ASSOCIATION

Vanah Industries,
Khasra No. 669-4, 666-1, Vanah Industries, Solan, HP

have fulfilled the criteria and have been admitted
as a Member of the Association with effect
from 4th August 2022. This certificate will continue
to remain valid on payment of Annual Membership
Subscription within the time limit prescribed.

Ordinary Class NO0458
Membership Category

President

AIRIA

ARAI The Automotive Research Association of India
Research Institute of the Automotive Industry with Ministry of Heavy Industries, Govt. of India

NON TRANSFERABLE

TEST REPORT
DATE: 04.08.2023

1. NAME AND ADDRESS OF CUSTOMER:
Suraksha Rubber Products Pvt. Ltd.
Killa No. 2513 & 14 Village Ramnagar, Tahsil Gannaur, District Sonapat - 131039, Haryana, India

2. NAME OF THE PRODUCT:
CNG Hose

3. AUTOMOTIVE LETTER NO. (ALN):
CNG Hose

4. DESCRIPTION OF TEST COMPONENT:
CNG Flexible Hose for CNG

5. TEST RESULTS:
CNG Flexible Hose for CNG

6. TEST OBJECTIVE:
To evaluate performance of CNG Flexible Hose as per the requirements given in IS 15722:2008.

7. TEST REQUIREMENTS (TABLE 1):
Requirements of IS 15722:2008 for CNG Flexible Hose are given in below Table 1

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	Certificate of Registration QUALITY MANAGEMENT SYSTEM - ISO 9001:2015	 
This is to certify that:		
	Vansh Industries Village & P.O. Kapsian Pura Gurgaon Marg, Tehsil: Natagur Solan District 174 101 Himachal Pradesh India	
Holds Certificate No:	FM 248346	
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 Certification expired on 02.10.2022 RA Audit conducted on 23.08.2022		
 Thours Kotar, Managing Director Assurance - DTEA		
For and on behalf of BSI:		
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 <i>"making excellence a habit"</i>	
This certificate was issued electronically and remains the property of BSI and is bound by the conditions of contract. The certificate contains no reference to BS or BS standards. Further enquiries regarding the scope of approval and the applicability of ISO 9001:2015 requirements may be obtained by consulting the responsible certification body or the holder of the certificate. Information and Contact: BSI, Wilmslow Road, Wilmslow, Cheshire, SK9 4LW, UK Tel: +44 (0) 161 2060000 Fax: +44 (0) 161 2060001 Email: bsi@bsigroup.com Website: www.bsigroup.com A member of the BSI Group of Companies.		

QMS - ISO 9001:2015

For any communication:		Parwanoo Branch Office-PRBO, Ground floor, West Wing., NRO building, Plot 4A, Sector 27B, Mundy Marg jn., Chandigarh, CHANDIGARH, CHANDIGARH,CHANDIGARH,160019
Address:		
Phone:	01792235437	
Fax:	01792235435	
E-Mail:	info@bis.gov.in	
Web:	www.bis.org.in, www.namakonline.in	

BUREAU OF INDIAN STANDARDS

Attachment to Licence No. CML-9600016318

CML-No	Name of the Licensee with the Factory Address	Name of the Product	Indian Standard No.
9600045318	VANSH INDUSTRIES - BADDI, HIMACHAL PRADESH, INDIA., VILL. KISHANPURA, PO- GURUMAJRA, BADDI-174101	FLEXIBLE RUBBER TUBING FOR LIQUEIFIED PETROLEUM GAS SPECIFICATION Second Revision	IS 10908 : 2023

Endorsement No. 4 Dated 02-Aug-2024

Whereas, the licence was valid upto Thirteenth August Two Thousand Twenty-Four.

Now, consequent upon renewal, the validityof the licence given in schedule of the Licence Dated 12-AUG-2024 has been extended from Thirteenth August Two Thousand Twenty-Four to Twelfth August Two Thousand TwentyFive

Other terms and conditions of licence remain same.

Branch Head (Parwanoo Branch Office)

Mansh Bhavan, 9 Bahadur Shah Zafar Marg, New Delhi 110002. 9 Bahadur Shah Zafar Marg, DELHI,110002

Contact No: +91 11 23230131, 23233375, 23239402	Fax: +91 11 23234062, 232	Email: info@bis.gov.in
---	----------------------------------	-------------------------------

IS 10908 : 1991

	For any other communication Address: Phone: Fax: E-Mail: Web:	(Hemachal Pradesh Branch Office)-House 1/15, Sector 5, Patnaam, BOLANIMARJAL, JALPAIGURI, 722303 01745-234247,234349 01792234355 info@hpb.gov.in www.hpb.org.in www.standardbdi.in
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BUREAU OF INDIAN STANDARDS		
Attachment to Licence No. CML-900004825		
CML/No	Name of the Licensee with the Factory Address	Name of the Product Indian Standard/No.
9003004825	VANSHI INDUSTRIES, BAGOL HIMANCHAL, PRAGATI, INDRA, VILL, GURUMARGA, RAJOURI 174001	BUBBER BUREAU FOR LIQUEFIED PETROLEUM GASES 9571 (PART 1) (LPG)- SPECIFICATIONS PART 2067 1 INDUSTRIAL APPLICATION

Expiry Date: 31.Dated 15-Dec-2022

Wherein, the licence was valid upto Twenty Third Year Twenty Three Thousand Twenty Three.

New, consequent upon renewal, the validity of the licence given in schedule of the Licence Dated 22-11-2020 has been extended from Twenty Third Year Twenty Three Thousand Twenty Three to Twenty Second Year Twenty Three Thousand Twenty Four

Other terms and conditions of licence remain same.

(Hemachal Pradesh Branch Office)

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CONVERSION TABLE

UNIT		CONVERSION UNIT		FACTOR	
PRESSURE	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	
LENGTH	1 bar	MPa		0.1	
	1 inch	mm		25.4	
	1 millimetre	in		0.03934	
	1 foot	m		0.3048	
AREA	1 metre	ft		3.28084	
	1 square-inch	cm²		6.4516	
	1 cubic centimetre	cubic in		0.0610	
VOLUME	1 gallon (UK)	ltr		4.54596	
	1 litre	gal (UK)		0.219976	
	1 gallon (US)	ltr		3.78533	
WEIGHT	1 litre	gal (US)		0.264177	
	1 pound	kg		0.453592	
	1 kilogramme	lb		2.204622	
FLOW RATE	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	
VELOCITY	1 foot per second	m / s		0.3048	
	1 metre per second	ft / s		3.280840	
TEMPERATURE	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	

SURAKSHA RUBBER PRODUCTS PVT. LTD. currently manufactures hoses ranging from 5 mm to 50 mm ID in both wire and yarn-braided constructions, available in wrap and smooth finishes.

The rubber compound is the foundation of quality hose manufacturing, and we maintain an in-house mixing facility with precise control features.

Our experienced and dedicated R&D team develops hoses tailored to customer-specific requirements and adheres to both national and international standards.



Testing & Validation

The manufacturing unit is equipped with comprehensive in-house validation and testing facilities for Hoses and Hose Assemblies, ensuring product reliability and consistency.

Important Test facilities at Suraksha 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
- Complete Test set up for RDSO approved Air Brake Hose
- Complete Facility for LPG Hoses.
- Complete Test Facility for SASO Approved LPG Hose



Ozone Tester



Low Temperature Test



Abrasion Tester



Industrial Crimping Machine



Test Lab View

SPPL

SURAKSHA RUBBER PRODUCTS PVT. LTD.

Sister Concern of  **VANSH INDUSTRIES**



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