

COMPANY PROFILE

PT. LIMUSNUNGAL RUBBER

**YOUR
TRUSTED
HOSE
SPECIALIST
SINCE 1980**



COMPANY PROFILE

PT. LIMUSNUNGGA RUBBER

A full-page background image showing an industrial setting. In the foreground, a worker wearing a white hard hat, a blue face mask, and a white long-sleeved shirt is looking towards the right. Large, black, corrugated industrial pipes run diagonally across the frame. In the background, a yellow crane or lifting mechanism is visible against a blue sky. The ground is a light-colored concrete or metal deck with some red markings.

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OUR COMPANY AT A GLANCE

Limusnunggal Rubber was established in 1980 by Suhendro Halim.

Our first hose-manufacturing technology and learning methodologies of hose-making were first acquired from Nokia. Since then, Limusnunggal Rubber has evolved its industrial hoses manufacturing capacity to a full-scale production where we have exported our products to Dunlop UK in 1986. In 1996, we acquired Epton, a plastic and rubber manufacturer based in Kitchener, Canada to enhance and maximise our technical capabilities and capacity. Prior to the acquisition, Epton's industrial hose division was owned by one of the prestigious tire companies, BF Goodrich. Armed with Epton's assets and knowledge, this has bolstered Limusnunggal Rubber to expand our rubber manufacturing capabilities to produce a wide array of hoses ranging from consumer goods to highly specialised products including hydraulic, industrial and marine hoses. We pride ourselves as the pioneer and leader in the industrial and marine hoses industry in Indonesia and South East Asia. Our technology and expertise has allowed us to be the only manufacturer that is capable of producing a whole line of marine hoses with up to 24" in diameter, and up to 40" diameter in industrial hose manufacturing, along with various detailed specifications and requirements of any specific end users.

We have undergone audits and checks thoroughly to ensure safety standard and quality of our production are in place. This has been ingrained in our company values and the basis of our operations.

Limusnunggal Rubber's extensive technical and business capabilities can cater to a wide array of customers, from private companies, government entities to multi-national oil and mining companies.



Loyalty

Our commitment and dedication to our clients are our utmost priority regardless of the level of speciality or customisation of their needs, with a 100% recurring rate of customers, we always strive for seamless projects.

Integrity

We believe in cohering to moral and ethical principles in all our actions. Our emphasis on integrity encourages a unique company culture that respects a diversity of skills, backgrounds and life experiences.

Quality

Limusnunggal Rubber Hoses have a proven global track record of quality product and service. We believe in serving the highest quality hoses and do not undercut our processes

OUR VALUES



PRODUCTS

HYDRAULIC HOSES • INDUSTRIAL HOSES • MARINE HOSES

WDH

WATER DELIVERY HOSE

Application	A Robust mandrel built water delivery hose
Construction	Cover: Black smooth cover, SBR/EPDM rubber compound with excellent abrasion and weathering properties Tube: Smooth bore Reinforcement: Synthetic yarn
Manufacturing length	20 - 40 M

Type	I.D.		O.D.		Working pressure		Weight
	mm	(")	mm		Bar	Psi	
DMS	22	7/8	31		5	75	0.55
	25	1	35		5	75	0.65
	32	1-1/4	41		5	75	0.80
	38	1-1/2	48		5	75	0.93
	44	1-1/3	54		5	75	1.06
	51	2	60		5	75	1.20
	57	2-1/4	66		5	75	1.55
	63	2-1/4	73		5	75	1.84
	70	2-3/4	80		5	75	1.73
	76	3	86		5	75	2.05
	89	3-1/2	99		5	75	2.26
	102	4	112		5	75	2.54
	114	4-1/2	125		5	75	2.88
	127	5	141		5	75	3.79
	152	6	172		5	75	4.50



ODH

OIL DELIVERY HOSE

Application	Suitable for use with a wide range of processing and industrial oils OH= Long-length built ODH= Mandrel-built
Construction	Cover: Black, oil and red stripe weather resistant rubber smooth wrapped finish Tube: Black, smooth gasoline and oil resistant rubber Reinforcement: Synthetic spirally laid
Manufacturing length	OH type: 40 M - 100 M ODH type: 20 - 40 M

Type	I.D.		O.D.		Working pressure		Weight
	mm	(")	mm		Bar	Psi	
ODH	13	1/2	26		10	150	0.56
	19	3/4	32		10	150	0.74
	25	1	38		10	150	0.92
	32	1-1/4	45		10	150	1.13
	38	1-1/2	51		10	150	1.30
	44	1-3/4	57		10	150	1.48
	51	2	65		10	150	1.92
	63	2-1/2	78		10	150	2.35
	76	3	91		10	150	2.73
	89	3-1/2	104		10	150	3.18
	102	4	116		10	150	5.58
OH	5	3/16	13		10	150	0.14
	6	1/4	14		10	150	0.15
	8	5/16	16		10	150	0.17
	10	3/8	18		10	150	2.20



OSD

OIL SUCTION DISCHARGE HOSE

Application Suction and pressure hose reinforced with a steel spiral with earthing cable. For Loading and unloading of gasoline, diesel oil, naphtha or water mixed with oil
OSD= oil suction & discharge
HOSD= heavy duty oil suction & discharge

Construction **Cover:** Black, smooth gasoline and oil resistant rubber
Tube: Black, smooth gasoline and oil resistant rubber
Reinforcement: Layer of synthetic yarn, separated by double helix of high tensile synthetic wire

Manufacturing length 20 - 40 M

Type	I.D.		O.D.		Working pressure		Max. vacuum mm/Hg	Bending radius mm	Weight Kg/m
	mm	(")	mm		Bar	Psi			
OSD	25	1	36	17	250	700	150	0.83	
	32	1-1/4	43	14	200	700	200	1.01	
	38	1-1/2	49	14	200	700	240	1.18	
	44	1-3/4	55	14	200	700	280	1.48	
	51	2	64	10	150	700	320	1.83	
	57	2-1/4	68	10	150	700	350	2.26	
	63	2-1/4	79	10	150	700	390	2.79	
	70	2-3/4	86	10	150	700	430	3.08	
	76	3	91	10	150	700	460	3.28	
	89	3-1/2	107	10	150	700	520	4.35	
	102	4	119	10	150	700	610	4.87	
	127	5	149	10	150	600	760	7.52	
	152	6	173	10	150	600	910	8.90	
HOSD	76	3	94	16	250	700	460	3.22	
	102	4	122	16	250	700	610	4.66	
	127	5	151	16	250	450	760	8.29	
	152	6	176	16	250	450	910	9.80	



GPH

GASOLINE PUMP HOSE

Application Used at pump station for the delivery of gasoline diesel fuel

Construction **Cover:** Black, oil and red weather resistant rubber, smooth/finish
Tube: Black, smooth gasoline and oil resistant rubber
Reinforcement: Layer of synthetic yarn, static wire incorporated

Manufacturing length 3.6 - 20 M

Type	I.D.		O.D. mm	Working pressure		Weight Kg/m
	mm	(")		Bar	Psi	
ODH	19	3/4	32	10	150	0.74
	25	1	38	10	150	0.92

SH

STEAM HOSE

Application For transfer petroleum based products between docks and ships

Construction **Cover:** Oil and abrasions resistant rubber, smooth finish
Tube: Seamless heat resistant EPDM rubber compound
Reinforcement: Synthetic yarn

Manufacturing length 20 M

Type	I.D. mm	I.D. (")	O.D. mm	Working pressure Bar	Psi	Weight Kg/m
SH	8	5/16	22	7	100	0.19
	10	3/8	24	7	100	0.22
	13	1/2	29	7	100	0.59
	16	5/8	32	7	100	0.67
	19	3/4	35	7	100	0.76
	25	1	41	7	100	0.99

DCH

DUST COLLECTOR HOSE

Application Light weight flexibel hose for carrying off hot and cold air, smoke and dust

Construction **Cover:** Black and corrugated rubber
Tube: High abrasion rubber compound - hose -
Reinforcement: Singgle steel wire embedded in rubber with two ply of rabric

Manufacturing length 5 M - 10 M

Type	I.D. mm	I.D. (")	O.D. mm	Working pressure Bar	Psi	Weight Kg/m
DCH	25	1	30	76	80	0.45
	32	1-1/4	37	76	80	0.62
	38	1-1/2	43	76	80	0.76
	44	1-3/4	49	76	100	0.81
	51	2	56	76	100	0.96
	57	2	62	76	110	1.10
	63	2-1/2	68	76	130	1.18
	70	2-3/4	75	76	140	1.23
	76	3	81	76	150	1.31
	89	3-1/2	95	76	180	1.81
	102	4	107	76	200	1.97
	114	4-1/2	119	76	230	2.30
	127	5	131	76	250	2.50
	140	5-1/2	145	76	270	2.71
	152	6	156	76	300	2.89



RH

RADIATOR HOSE

Application An extremely flexible rubber hose with good resistance to heat, hot water and oil contamination

Construction **Cover:** Black smooth cover, SBR/EPDM rubber compound with excellent abrasion and weathering properties
Tube: Smooth bore
Reinforcement: Synthetic yarn spirally laid

Manufacturing length 20 M

Type	I.D. mm	I.D. (")	O.D. mm	Working pressure Bar	Psi	Weight Kg/m
DMS	22	7/8	31	10	150	0.52
	25	1	34	7	100	0.58
	32	1-1/4	41	7	100	0.72
	38	1-1/2	47	5	75	0.84
	44	1-3/4	54	5	75	0.93
	51	2	60	4	60	1.03
	57	2-1/4	66	4	60	1.16
	63	2-1/2	72	3.5	50	1.35
	70	2-3/4	79	3.5	50	1.48
	76	3	85	3.5	50	1.60



DMS

DRY MATERIAL
SOLUTION HOSE

Application For pressure and suction service of non-oily dry bulk material

Construction **Cover:** Black, weither green stripe and wear rubber compound, smooth, corrugated finish
Tube: Black highly resistant to abrasion rubber compound
Reinforcement: Double helix of high tensile steel wire embedded between two layers of synthetic yarn

Manufacturing length 20 M

Type	I.D. mm	I.D. (")	O.D. mm	Working pressure Bar	Psi	Max. vacuum mm/Hg	Bending radius mm	Weight Kg/m
DMS	51	2	66	10	150	700	450	2.08
	63	2-1/2	80	10	150	700	500	2.87
	76	3	93	10	150	700	600	3.84
	89	3-1/2	106	10	150	700	700	4.69
	102	4	119	10	150	600	800	5.82
	114	4-1/2	131	10	150	600	950	6.78
	127	5	143	10	150	600	1.000	7.59
	140	5-1/2	159	10	150	500	1.100	8.28
	152	6	171	10	150	500	1.200	8.29



SBH

SANDBLAST HOSE

Application For Sand and shot blasting work, cement placement, conveying wet and dry mixtures

Construction **Cover:** Tough abrasion and weather resistant black rubber
Tube: Maximum resistant to abrasion and wear rubber
Reinforcement: Synthetic textile yarn, static wire can be incorporated

Manufacturing length 20 M

Type	I.D. mm	I.D. (")	O.D. mm	Working pressure		Weight Kg/m
				Bar	Psi	
SBH/C	19	3/4	35	10	150	1.64
	25	1	40	10	150	0.90
	32	1-1/4	46	10	150	1.18
	38	1-1/2	54	10	150	1.45
	44	1-3/4	60	10	150	1.88
	51	2	71	10	150	2.18
	63	2-1/2	81	10	150	3.65
SBH/D	19	3/4	38	12	180	0.98
	25	1	47	12	180	1.51
	32	1-1/4	54	12	180	1.79
	38	1-1/2	60	12	180	1.98
	51	2	73	12	180	2.65

BMH

BULK MATERIAL HOSE

Application Designed for carrying under air pressure a wide range of dry powders

Construction **Cover:** Black, weather green stripe and wear resistant rubber, smooth wrapped finish
Tube: Black highly resistant to abrasion rubber compound, smooth bore
Reinforcement: Synthetic textile yarn

Manufacturing length BMH type: 20 M
 LMH type: 10 M

Type	I.D. mm	I.D. (")	O.D. mm	Working pressure		Weight Kg/m
				Bar	Psi	
BMH	76	3	94	7	100	3.11
	89	3-1/2	107	7	100	3.58
	102	4	122	7	100	4.42
	114	4-1/2	134	7	100	4.90
	127	5	150	7	100	5.33
	140	5-1/2	161	7	100	6.67
	152	6	176	7	100	7.11
LMH	76	3	85	3.5	50	1.31
	89	3-1/2	98	3.5	50	1.56
	102	4	110	3.5	50	1.72
	114	4-1/2	123	3.5	50	2.38
	127	5	136	3.5	50	2.75
	140	5-1/2	149	3.5	50	3.15
	152	6	163	3.5	50	3.50



DS

DREGDING SLEEVE

Application	Extremely robust, hard wearing and custom built rubber sleeve for dredging
Type	The inside diameter of mouth is enlarged to enable smooth flow of water, mud and sand
Construction	Cover: Tough abrasion and weather resistant rubber Tube: High grade natural rubber outstanding resistancy to abrasion Reinforcement: 4 - 8 layers of high tensile and rot-proof synthetic cord, for suction purpose steel. Wire embedded between layers rubber
Manufacturing lenght	10 M

Type	I.D. mm	I.D. (")	Rubber Lining	Wall Thickness	O.D. mm	Working pressure Bar	Psi	Weight Lenght
DS	286	10	10mm	20mm	308	6	90	250
	318	12	10mm	20mm	358	6	90	250
	360	14	15mm	25mm	410	6	90	250
	410	16	15mm	30mm	470	6	90	250
	460	18	20mm	35mm	530	6	90	350
	510	20	20mm	35mm	580	6	90	350
	560	22	20mm	40mm	640	6	90	350
	610	24	20mm	40mm	690	6	90	350
	660	26	20mm	50mm	760	6	90	350
	710	28	20mm	50mm	810	6	90	350

FDH

FURNACE DOOR HOSE

Application	This Type of hose is mainly used for conveying cooling or heating water in the iron and steel industry
Temperature range	-35 ⁰ C to + 160 ⁰ C
Construction	-
Cover	Heat resistant rubber compound with a cover of asbestos fabric
Tube	Black and smooth rubber compound
Reinforcement	Synthetic yarn spirally laid
Manufacturing lenght	20 M

Type	I.D. mm	I.D. (")	O.D. mm	Working pressure Bar	Psi	Bending radius	Weight Kg/m
FDH	10	3/8	22	10	150	50	0.34
	13	1/2	25	10	150	65	0.40
	19	3/4	31	10	150	95	0.62
	25	1	39	10	150	125	0.84
	32	1-1/4	46	10	150	160	1.12
	38	1-1/2	58	10	150	190	1.63
	45	1-3/4	63	10	150	225	1.90
	51	2	68	10	150	250	2.10
	63	2-1/2	80	10	150	340	3.20
	76	3	95	10	150	450	3.71
	89	3-1/2	109	10	150	540	4.90
	102	4	120	10	150	660	6.40
	114	4-1/2	134	10	150	790	8.10



FRH

FIRE REAL HOSE

Application First aid water reel

Construction **Cover:** Red smooth wrapped finish, rubber abrasion, and weathering resistant

Tube: Black smooth rubber, resistant to retardant chemicals

Reinforcement: High tensile synthetic yarn

Manufacturing length 20 M

Type	I.D.		O.D. mm	Working pressure		Weight Kg/m
	mm	(ⁱⁿ)		Bar	Psi	
FDH	25	1	40	17	250	0.87
	32	1-1/4	47	17	250	1.20
	38	1-1/2	53	17	250	1.43
	51	2	67	17	250	1.83



SAE100R1AT

HYDRAULIC HOSE

Application Medium pressure applications using petroleum base hydraulic fluids. Meets or exceeds requirements of SAE100R1AT

Construction Oil-resistance synthetic rubber inner tube: 1ply steel wire braid; oil and weather-resistant synthetic rubber cover.

Temperature range -40° to + 93° C

Elongation & contraction Must not exceed +2%, -4%

Length 20 m



ID.	OD.	Max. Working Pressure	Test Pressure	Min. Burst Pressure	Min. Bend Pressure	Approx. Weight
inch (mm)	inch (mm)	psi (Kg/cm ²)	psi (Kg/cm ²)	psi (Kg/cm ²)	psi (mm)	Kg/m (Kg/m)
1/4 (6.5)	9/16 (14.1)	2,750 (195)	5,500 (385)	11,000 (770)	4 (102)	0.24
3/8 (9.5)	23/32 (18.1)	2,250 (160)	4,500 (315)	9,000 (630)	5 (127)	0.34
1/2 (13)	27/32 (21.5)	2,000 (140)	4,000 (280)	8,000 (560)	7 (178)	0.41
5/7 (16)	31/32 (24.7)	1,500 (105)	3,000 (210)	6,000 (240)	8 (203)	0.48
3/4 (19)	1-1/8 (28.6)	1,250 (90)	2,500 (175)	5,000 (350)	9-1/2 (241)	0.60
1 (25)	1-7/16 (26.6)	1,000 (70)	2,000 (140)	4,000 (280)	12 (305)	0.92
1-1/4 (32)	1-23/32 (44.8)	900 (63)	1,800 (120)	3,600 (240)	16-1/2 (419)	1.14
1-1/2 (38)	2 (52)	2500 (34)	1,000 (70)	2,000 (140)	10 (508)	1.39

SAE100R2AT

HYDRAULIC HOSE

Application Medium pressure applications using petroleum base hydraulic fluids. Meets or exceeds requirements of SAE100R2AT

Construction Oil-resistance synthetic rubber inner tube: 2 plies steel wire braid; oil and weather-resistant synthetic rubber cover.

Temperature range -40° to + 93° C

Elongation & contraction Must not exceed +2%, -4%

Length 20 m



ID.	OD.	Max. Working Pressure	Test Pressure	Min. Burst Pressure	Min. Bend Pressure	Approx. Weight
inch (mm)	inch (mm)	psi (Kg/cm ²)	psi (Kg/cm ²)	psi (Kg/cm ²)	psi (mm)	Kg/m (Kg/m)
1/4 (6)	5/8 (15.7)	5,000 (350)	10,000 (700)	20,000 (1,400)	4 (102)	0,36
3/8 (9)	25/32 (19.7)	4,000 (280)	8,000 (560)	16,000 (1,120)	5 (127)	0,55
1/2 (13)	57/64 (23.1)	3,500 (245)	7,000 (490)	14,000 (980)	7 (178)	0,70
5/8 (16)	1-1/32 (26,3)	2,750 (195)	5,500 (385)	11,000 (770)	8 (203)	0,76
3/4 (19)	1-5/16 (30.2)	2,250 (160)	4,500 (315)	9,000 (630)	9-1/2 (241)	1.00
1 (25)	1-17/32 (38.9)	2,000 (140)	4,000 (280)	8,000 (560)	12 (305)	1.40
1-1/4 (32)	1-31/32 (49.6)	1,800 (125)	3,600 (250)	7,200 (500)	16-1/2 (419)	2.05
1-1/2 (38)	2-1/32 (56)	1,250 (86)	2,500 (170)	5,000 (340)	20 (508)	2-50

SHP

HIGH PRESSURE HOSE

Application Used in mining, quarries, industrial, and construction, service.

Construction **Tube:** BLACK smooth rubber heat and oil mist resistant
Reinforcement: plies of steel wire
Cover: YELLOW smooth rubber compound resistant to weather and abrasion; 2" and above is oil resistant

Temperature range -40⁰ to + 235⁰ C

Length 20 m



ID.	OD.	Max. Working Pressure	Approx. Weight
inch (mm)	inch (mm)	psi (bar)	Kg/m
1/2 (13)	7/16 (25)	600 (41.5)	0.64
3/4 (19)	23/32 (31)	600 (41.5)	0.84
1 (25)	27/32 (48)	600 (41.5)	1.11
1-1/4 (32)	31/32 (48)	600 (41.5)	1.90
1-1/2 (38)	1-1/8 (56)	600 (41.5)	2.19
2 (51)	1-7/16 (67)	600 (41.5)	2.68
2-1/2 (63)	1-23/32 (81)	600 (41.5)	3.17
3 (76)	2 (94)	500 (34)	3.80
4 (102)		400 (27)	6.65

SS235

SATURATED STEAM HOSE

Application High pressure wire reinforced steam hose for service with superheated steam

Construction **Tube:** Epdm rubber compound
Reinforcement: steel wire
Cover: RED Epdm and it is poinpricked to avoid separation

Temperature range -40⁰ to + 120⁰ C

Length 20 m



ID.	OD.	Max. Working Pressure	Approx. Weight
inch (mm)	inch (mm)	psi (bar)	Kg/m
1/2 (13)	7/16 (27)	250 (17)	0.24
3/4 (19)	23/32 (33)	250 (17)	0.34
1 (25)	27/32 (42)	250 (17)	0.41
1-1/4 (32)	31/32 (49)	250 (17)	0.48
1-1/2 (38)	1-1/8 (55)	250 (17)	0.60
2 (51)	1-7/16 (68)	250 (17)	0.92
2-1/2 (63)	1-23/32 (80)	250 (17)	1.14
2-1/2 (76)	2 (98)	250 (17)	1.39

SCP

CONCRETE PLACEMENT HOSE

Application Used for the placement of concrete to the casting location

Construction BLACK smooth and abrasive resistant rubber compound and steel wire reinforced

Temperature range -40^o to + 73^o C

Length 20 m



ID.	OD.	Max. Working Pressure	Approx. Weight
inch (mm)	inch (mm)	psi (bar)	Kg/m
3 (76)	7/16 (103)	1,160 (80)	8.01
4 (102)	23/32 (129)	1,160 (80)	10.00
5 (127)	27/32 (154)	1,160 (80)	12.03
6 (151)	31/32 (178)	1,160 (80)	12.03

STC

TAR SPRAYING HOSE

Application Specially designed as tank wagon hose for loading and unloading hot asphalt

Construction Tube: black oil resistant compound
Reinforcement: plies of steel wire
Cover: BLACK smooth rubber compound resistant to oil, weather, ozone, and abrasion

Temperature range -15^o to + 185^o C

Length 20 m



ID.	OD.	Max. Working Pressure	Test Pressure	Min. Burst Pressure	Approx. Weight
inch (mm)	inch (mm)	psi (atm)	psi (atm)	inch (mm)	Kg/m
3/4 (19)	1-1/4 (32)	295 (20)	1,910 (130)	3-1/2 (90)	1.00
1 (25)	1-1/2 (38)	295 (20)	1,620 (110)	4-3/4 (120)	1.28
1-1/4 (32)	2-13/16 (46)	295 (20)	1,320 (90)	6 (150)	1.75
1-1/2 (38)	2-1/16 (52)	220 (15)	1,180 (80)	7-1/2 (190)	1.96
2 (51)	2-5/8 (67)	220 (15)	880 (60)	10 (250)	2.86
2-1/2 (63.5)	3-1/16 (78)	150 (10)	740 (50)	13 (330)	3.45
3 (76)	3-21/32 (93)	150 (10)	630 (43)	16 (400)	4.71
3-1/2 (90)	4-7/32 (107)	150 (10)	590 (40)	19 (480)	5.48
4 (102)	4-15/16 (125.5)	150 (10)	590 (40)	22 (560)	7.32

MARINE HOSES

Innovative technology

In 1996, Limusnunggal Rubber acquired Epton, formerly owned by the prestigious tire company, BF Goodrich in Kitchener, Canada to enhance our technical capabilities, namely in marine hose manufacturing.

Customisable products

We are able to cater to the most specialised and customised requests, contact us to find out more about our marine hose specifications.

The only south East Asian manufacturer for marine hoses

Limusnunggal Rubber is the only south-east Asian rubber hose manufacturer able to produce up to 24" diameter marine hoses.

Unparalleled Quality

Limusnunggal rubber hoses are built to the best quality for maximum productivity. We have been serving the world's global rubber hose demand for over 40 years.





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