

Leadership through Innovation



Padmini Industries Limited



COMPANY PROFILE

We are.....

A Company founded in 1989 at Delhi, India, Committed towards the manufacture of quality **Fire-Fighting Canvas Hoses/ related ancillary fire fighting Equipments, Rubber Hoses & Electrical Rubber Mats. etc.** The company offers the widest Spectrum of products to full fill the requirement of almost every Industry and sustained good position in the most of its product line.

Our manufacturing facility in **Khekra , distt. Baghpat, U.P.** is spread over 10,000 square meters and is certified to meet **ISO:9001-2015 Quality systems** and our products are technically approved by agencies such as: **BIS (Bureau of Indian Standards), PDIL, Noida, DGQA (Min. of Defence, Govt. of India), DGS & D, CPWD, New Delhi, etc.**

Our Administrative, Regional and Marketing office is in New Delhi. An extensive network of agents throughout India, further ensures fast and dedicated sales and after sales services to out large customer base.

Our all products range are manufactured strictly as per Indian Standards. Further, we have an added edge of being able to customize products to specific client specification.

Our Co's strength emanates from its dedicated R&D, Modern Indigenous manufacturing facilities, commitment to responsible business through Quality, Technology, productivity and customer centric focus.

Our clients are from practically every field - **Petroleum Refineries, Chemical, Power, Steel, Fertilizers, Defence Establishments, Airport Authority, Ports, State Fire Services, etc.**



PRODUCT RANGE

- **Padmini®** AQUA RRL Fire-Fighting Hose :IS: 636-I, Duly ISI Marked.
- **Padmini®** AQUA DURA RRL Fire-Fighting Hose :IS: 636-II, Duly ISI Marked.
(With Elastomeric coating) :IS: 636-III, Duly ISI Marked.
- **Padmini®** PIL DURA CP Fire-Fighting Hose :IS: 8423, Duly ISI Marked.
- **Padmini®** M/F Coupling, Nozzle & Branch Pipe GM/SS/AL :IS: 903, Duly ISI Marked.
- **Padmini®** First Aid Hose Reel (Wall Mounted) :IS:884, Duly ISI Marked.
- **Padmini®** Hydrant Valve GM/SS/AL : IS: 5290 Duly ISI Marked.
- **Padmini®** Rubber Water Hose :IS: 444 Type-I,II,III-A & III-B Duly ISI Marked
- **Padmini®** Thermo Plastic Water Hose : IS:12585 Type-II
- **Padmini®** Pneumatic/ Rock Drilling Hose :IS:446 Type- II,III, Duly ISI Marked.
- **Padmini®** Welding Hose :IS:447, Duly ISI Marked.
- **Padmini®** Water Suction Hose :IS:3549 Type- I & II, Duly ISI Marked.
- **Padmini®** Sand Blasting Hose : As per IS:5894, Duly ISI Marked.
- **ElectroSAFE™** Insulating Mats for Electrical Purpose :IS:15652, Duly ISI Marked.
- **Padmini®** Fire Extinguisher
- **Padmini®** Water & Foam Monitor
- **Padmini®** Foam Making Branch
- **Padmini®** Fire Man's Axe

OUR MAIN OBJECTIVES

We at **Padmini®** endeavour to focus on customer satisfaction by delivering quality products on time at reasonable cost and to continuously improve effectiveness of quality management system



FIRE Hoses

IS : 636 TYPE - I



CM/L-8623682



ISI Marked

TECHNICAL SPECIFICATION

Inside (inch.)	Diameter (mm)	W/P	Proof pressure Kg. f/cm ²	Burst Pressure Kg. f/cm ²	Mass Wt. (Gm./Mtr.)
1-1/2	38.0	14	23	38	300
2	50.0	14	23	38	375
2-1/2	63.0	14	23	38	450
1-3/2	70.0	14	23	38	500

IS : 636 TYPE - II



CM/L-8623682



ISI Marked

TECHNICAL SPECIFICATION

Inside (inch.)	Diameter (mm)	W/P	Proof pressure Kg. f/cm ²	Burst Pressure Kg. f/cm ²	Mass Wt. (Gm./Mtr.)
1-1/2	38.0	14	23.0	38.0	315
2	50.0	14	23.0	38.0	395
2-1/2	63.0	14	23.0	38.0	480
1-3/2	70.0	14	23.0	38.0	550



PADMINI® Aqua RRL Hose

Hose: PADMINI RRL Hose (Reinforced Rubber Lined Hose) Conforming to IS : 636/2018 Type-I, ISI Marked

Application: This RRL Hose used for water delivery purpose in Fire-Fighting & Civil Engineering Applications etc.

CONSTRUCTION

Jacket : Circular woven jacket made from a special blend of cotton & synthetic yarn with high abrasion and heat resistance. Jacket is also treated with suitable rot proofing agent.

Reinforcement : A thin fabric reinforcement bonded by a special adhesive.

Rubber Lining: A rubber inner lining with suitable rubber compound which gives flexibility, durability & better resistance.

Standard Length: 7.5 Mtrs, 15 Mtrs, 22.5 Mtrs & 30 Mtrs.

End Connection: As per customer requirements

FEATURES

- Compact, Flexible & Light weight.
- Abrasion Resistant
- Ability to withstand high operating & back pressure.
- Reinforced rubber lined (RRL)
- Unaffected with mild dew



PADMINI® Aqua Dura RRL Hose Pipe

TECHNICAL SPECIFICATIONS

Hose : Dura RRL Hose (Reinforced Rubber Lined Hose) with Elastomeric Coating conforming to IS : 636/2018 Type-II, ISI Marked

Application : This Dura RRL Hose is used for water delivery purpose in Fire Fighting, Oil & Power Sector, Industrial Plants, & Sailing Vessels.

Construction :

Jacket : Circular Woven jacket made from a 100% synthetic yarn with high abrasion and heat resistance. The woven jacket is treated with a special Elastomeric Coating to give protection against moisture and fungus.

Reinforcement : A Thin Fabric Reinforcement bonded by a Special Adhesive.

Rubber Lining : A Rubber Inner Lining with suitable rubber compound which gives flexibility, durability & better resistance.

Standard Length : 7.5 Mtrs, 15 Mtrs, 22.5 Mtrs & 30 Mtrs.

End Connection : As per customer requirements

FEATURES

- Compact, Flexible & Light weight.
- Abrasion, Bacteria & Fungus Resistant
- Ability to withstand high operating & back pressure.
- Reinforced rubber lined (RRL)
- Unaffected with mild dew

FIRE Hoses

IS : 8423



CM/L-8618891



ISI Marked

TECHNICAL SPECIFICATION

Inside (inch.)	Diameter (mm)	WP 14	Proof pressure Kg. f/cm ²	Burst Pressure Kg. f/cm ²	Mass Wt. (Gm./Mtr.)
1-1/2	38.0	14	21.4	35.7	250
2	50.0	14	21.4	35.7	300
2-1/2	63.0	14	21.4	35.7	350
1-3/2	70.0	14	21.4	35.7	400



PADMINI® PIL-DURA CP Hose

Hose: PADMINI PIL-DURA CP Hose, Conforming to IS : 8423/1994, ISI Marked.

Application: This hose used for water delivery purpose in Fire-Fighting Irrigation & floor washing etc.

CONSTRUCTION

Jacket: Circular woven jacket made from a special synthetic yarn.

Rubber Lining: An ultra thin layer of rubber lining with suitable rubber compound which ensure controlled percolation.

Standard Length: 7.5 Mtrs, 15 Mtrs, 22.5 Mtrs & 30 Mtrs.

End Connection: As per customer requirements

FEATURES :

- Compact, Flexible & Light weight.
- Low friction loss
- Abrasion resistance
- Ability to withstand high operating & back pressure.

Couplings and Adapters

IS : 903



CM/L- 8929306



ISI Marked

Stainless Steel Material

IS : 903



CM/L- 8929306



ISI Marked

Gun Metal Material

IS : 903



CM/L- 8929306



ISI Marked

Aluminium Material



PADMINI® Instantaneous Coupling

TECHNICAL SPECIFICATIONS

Size : 63mm

Material: Gun Metal/ Stainless Steel/Aluminium Alloy

Conforming Specification : IS 903

Performance Test:

Hydrostatic Test (Body Test) : Tested at 21 kgf/cm²

Other Range

38mm, 52mm & 70mm,

Halogram: Sticker stuck on Coupling.



Padmini®

An ISO 9001:2015 Certified Company

Branch Pipe / Nozzles

IS : 903
CM/L- 8929306



Stainless Steel Material
ISI Marked

IS : 903
CM/L- 8929306



Gun Metal Material
ISI Marked

IS : 903
CM/L- 8929306



Aluminium Material
ISI Marked



PADMINI® Short Branch Pipe

TECHNICAL SPECIFICATIONS

Size of Branch Pipe : 63mm

Size of Nozzles : 6mm, 12mm, 15mm, 20mm and 25mm

Material : Gun metal/ Stainless Steel/Aluminium Alloy

Conforming Specification : IS 903

Performance Test

Hydrostatic Test (Body Test) : Tested at 21 kgf/cm²

Working Pressure: 7 kgf/cm²

Other Range

52mm and 38mm

Finish: Natural Polished

Halogram:- Sticker stuck on Nozzle

Triple Purpose Nozzle



Fog Nozzle



Hand Controlled Nozzle



Revolving Type Nozzle



Hose Reel



IS : 884
CM/L- 8930085

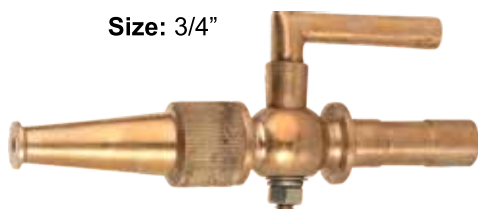
ISI Marked



IS : 444
CM/L- 8422874
ISI Marked

Shut Off Nozzle

Size: 3/4"



IS : 12585
CM/L- 2611544



ISI Marked



PADMINI® First Aid Hose Reel for Fire Fighting

TECHNICAL SPECIFICATIONS

Conforming to: IS:884/1985

Type: Wall Mounted Fixed/Swinging Type

Size: Inlet : 1" Threaded Inlet Connection

Outlet : 3/4" / 1" / 1-1/2" outlet connection for Hose
to accommodate 30/ 36/ 40 Mtrs. Hoses

Hose : Rubber Braided Hose Pipes Conf. to IS:444/1987,
Type -1, 2, 3A & 3B (Duly ISI marked)

Performance Test:

- Hydrostatic Test (Body Test) : Tested at 21 kgf/cm²
- Range & Water Flow rate test at 7kg f/ cm²
- Discharge: 24LPM



PADMINI® Rubber Hose (Hose Reel Pipe)

General Purpose Rubber water Hose

IS : 444-Type-1 W.P.6 kgf/cm²
MIN. B.P 18 kgf/cm² ISI Marked

IS : 444-Type-2 W.P.10 kgf/cm²
MIN. B.P 30 kgf/cm² ISI Marked

IS : 444-Type-3A, 3B W.P.25 kgf/cm²
MIN. B.P 100 kgf/cm² ISI Marked

CONSTRUCTION

Tube : Uniform seamless lining of natural or blend of natural & synthetic rubber.

Reinforcement : Plies of woven fabric or braiding textile of high strength synthetic fibre.

Cover : Black, smooth, cloth marked finish plain or ribbed cover of weather and abrasion resistant rubber. Type 3B Hoses have oil resistant outer cover.

Nominal Bore (ID) : 10MM to 100MM

Application: This Hose is used for water delivery purpose & has a wide range of applications in various industries like Mines, Dam, Railway, Construction sites and **Fire Fighting**.



PADMINI® Thermo Plastic Hose Pipe

TECHNICAL SPECIFICATIONS

As Per IS: 12585 – Type – 1 W.P. 6 kgf/cm²

As Per IS: 12585 – Type – 3 W.P. 25 kgf/cm²

As Per IS: 12585 – Type – 2 W.P. 10 kgf/cm²

Construction

Lining : A flexible Thermoplastic Lining, Smooth in bore.

Reinforcement : A Natural or Synthetic Textile

Reinforcement Cover : A flexible thermoplastics cover, which may have a smooth or fluted finish as agreed to between the purchaser and the supplier. The colour may be different from that of the lining.

Nominal Bore (ID) : 10.00 mm to 50.00 mm

Application: This Hose is used for water delivery & Fire Fighting purpose.



LANDING VALVE



Stainless steel Material



Gun Metal Material



PADMINI® Oblique Type Landing Valve (Type 'A') ISI Marked

TECHNICAL SPECIFICATIONS

Size : 63mm/ 75mm/ 80mm

Inlet : 3" NB Flanged

Outlet : Female Instantaneous

Material : Gun metal/ Stainless Steel

Conforming Specification : IS:5290, Type 'A'

Performance Test :

Hydrostatic Test (Body Test) : Tested at 23 kgf/cm²

Water tightness (Seat Test): Tested at 14 kgf/cm²

Flow Test: 900 LPM discharge at 7 kgf/cm²

Other Range : 38mm/ 50mm

Hand Wheel : Grey Cast Iron

Halogram : Sticker stuck on Landing Valve



Aluminium Material



Straight Type Landing Valve



Right Angle Type Landing Valve



Turn Down Type Landing Valve



LANDING VALVE



PADMINI® Double Outlet Landing Valve (Type'B') ISI Marked



ISI Marked Stainless steel Material

TECHNICAL SPECIFICATIONS

Size : 63mm/ 75mm/ 80mm

Inlet : 4" NB Flanged

Outlet : Female Instantaneous

Material : Gun metal/ Stainless Steel

Conforming Specification : IS 5290

Performance Test :

Hydrostatic Test (Body Test) : Tested at 23 kgf/cm²

Water Tightness (Seat Test) : Tested at 14 kgf/cm²

Flow Test : 1800 LPM discharge at 7 kgf/cm²

Hand Wheel : Grey Cast Iron

Halogram : Sticker stuck on Landing Valves.



ISI Marked
Gun Metal Material



ISI Marked
Aluminium Material



Single Inlet Breeching



2- way Inlet Breeching



3- way Inlet Breeching



4- way Inlet Breeching


SUCTION HOSE





IS : 3549
CM/L- 8505272

Rubber Hose for Water Suction & Discharge (Heavy Duty)

IS : 3549 Type- 1&2
(Rough & Smooth Bore)

IS : 3549 Type- 1&2
W.P. 7 kgf/cm²  Marked
MIN. B.P. 21kgf/cm²

IS : 3549 Type- 1&2
W.P. 10 kgf/cm²  Marked
MIN. B.P. 30 kgf/cm²


IS : 3549 Type- 1&2
W.P. 15 kgf/cm²  Marked
MIN. B.P. 45 kgf/cm²

Tube: A blend of Natural/ Synthetic rubber compound resistant to water and abrasion.

Reinforcement: Natural / Synthetic Fabric with two helical GI wire embedded between the reinforcement plies in case of Smooth Bore. In case of rough bore two helical wire reinforced first is internal and visible from inside and second is embedded between layer of plies.

Cover: Corrugated or plain cloth marked finish outer cover made from Natural rubber compound resistant to weather & abrasion.

End Connection: Each Hose length has soft plain ends on each side for clamping or can be supplied with built in nipples and flanges on request.

Norminal Bore: 25MM to 900MM (Size up to 250mm in Type-1 & Type-2  Marked)

Application: Used for Heavy Duty Water Suction and Discharge Services.

Insulating Mat for Electrical Purposes

IS : 15652



ElectroSAFE™



Construction : Insulating mat made from Highly Electrical resistant Elastomer.

Surface : Upper surface of the mat is having small anti-skid aberration marks (round surface without edges) to avoid slippery effects and lower surface is plane.

Application : It is used as floor covering for the protection of workers on AC & DC installations with the system voltage upto 66 kV ac & 240V dc.

Sl No.	Class of Mat	Thickness (mm)	Tolerance (%)	ac(rms kV	dc(rms V
1.	A	2.00	±10	3.3	240
2.	B	2.50	±10	11	240
3.	C	3.00	±10	33	240

Electrical Properties & Voltage Test*

Sl No.	Class of Mat	Thickness (mm)	Di-electric Strenght ac (rms) kV	Proof Voltage ac (rms) kV
1.	A	2.00	30	10
2.	B	2.50	45	22
3.	C	3.00	65	36

Dimensions :

a) Length & Width : Standards sizes are 01 x 02 & 1.2 x 2.4 Mtrs.

b) Thickness as per classification & designation*



Padmini®

An ISO 9001:2015 Certified Company



PADMINI® Fire Extinguisher's

IS :15683



ABC Dry Powder

IS :15683



Water Type

IS :15683



DCP Dry Powder

IS :15683



Carbon Dioxide

IS :15683



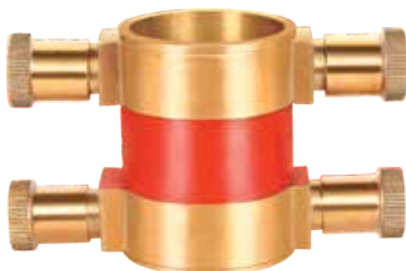
Mechanical Foam (AFFF)

Suction Couplings



Suction Strainer

Double Instantaneous Female Couplings



Reduced Shank Coupling



CamLock Coupling




PADMINI® Foam Making Branch
(FB5X)

(FB10X)


Foam Making Branch Pipe is a lightweight, easy to handle, ideal for Fire Brigade first line appliances and general industrial use. It will operate from a water supply at particular pressure to produce foam bubbles via 3m long pierce pick-up tube which can be supplied with the branch pipe.

FEATURES :

- Excellent Foam Quality.
- Lightweight compact self inducing high output Branch Pipe.
- Longer foam throws Performance.
- Wide Operating Pressure Range.
- Suitable for all types of foam concentrate.
- Useful for Oil and Chemical Installations, General Industries, Airports and Fire Brigades.

TECHNICAL SPECIFICATIONS

	FB 5X	FB 10X
Design & Construction	As Per IS: 2097	As Per IS: 2097
Operating Pressure Range	5.0 to 5.5 Bar	8.0 to 8.5 Bar
Foam Liquid	P, FP, FFFP, AFFF, AR and S	Standard AFFF Compound
Foam Ratio	1:10	1:10
Discharge (LPM)	225 to 250	450 to 500
Jet Length (Maximum)	20 meters	24 meters
Coupling Inlet	2.5" Instantaneous (M)	2.5" Instantaneous (M)
Foam Pick-up	20mm Quick Release	20mm Quick Release
Material	Aluminium Alloy	Aluminium Alloy
Weight	3.2 kg	3.7 kg
Angle of Operation	30°	30°



PADMINI® Stand Post Type Water And Foam Monitor



TECHNICAL SPECIFICATIONS

As Per IS: 8442

Application

- Oil Sector
- Refineries
- Chemical Plants
- Fertilizers and
- Fire Tenders etc.

Design & Construction	As Per IS:8442
Material	Seamless Mild Steel Tubes
Size of Monitor	63 mm
Size of Inlet Flange	80 mm
Construction	Welded from M. S. Seamless Pipes, Bends, etc.
Discharge Capacity	1750 LPM
Horizontal Throw	50 - 55 Meters
Rotation	360°
Elevation	85° to 30°
Joint	Swivel Type (Gun-Metal)
Jet Spray Nozzle	Gun Metal or Aluminium
Operative Pressure	0.7 N/mm ² at Nozzle End
Leakage Pressure	To withstand a pressure of 2.3 N/mm ²



PADMINI® Fire Man's Axe



Application: Its primary use is for breaking down doors and windows & cut Electrical Wires in case of Fire or Emergency.

Specification: As Per IS: 926-1985

CONSTRUCTION

Material:

- Axe Head – Made up from Forged Steel
- Axe Handle – Made up from Steel
- Handle – Heavily Insulated Rubber Handle Tested to 20000 Volts.
- Handle Colour – Black
- Handle Grip – Non-Slippery



PADMINI® Fire Hose Box



Fire Hose Boxes are widely used for keeping Fire Hoses of any length in it. It provides easy access to the Fire Hoses in case of a Fire Emergency.

SPECIFICATION

Material : Mild Steel Sheet

Gauge of Sheet : 14/16/18 Gauge

Sizes Available : 30" x 24" x 10"
24" x 24" x 10"
20" x 20" x 10"

or As Per Customer's Specifications

Features:

Easy Access in case of Fire Emergency

Keep Fire Hose Safe

Available in Double Door & Single Door

Available in different sizes

Application:

Office Complexes

Residential Buildings

Parking Places

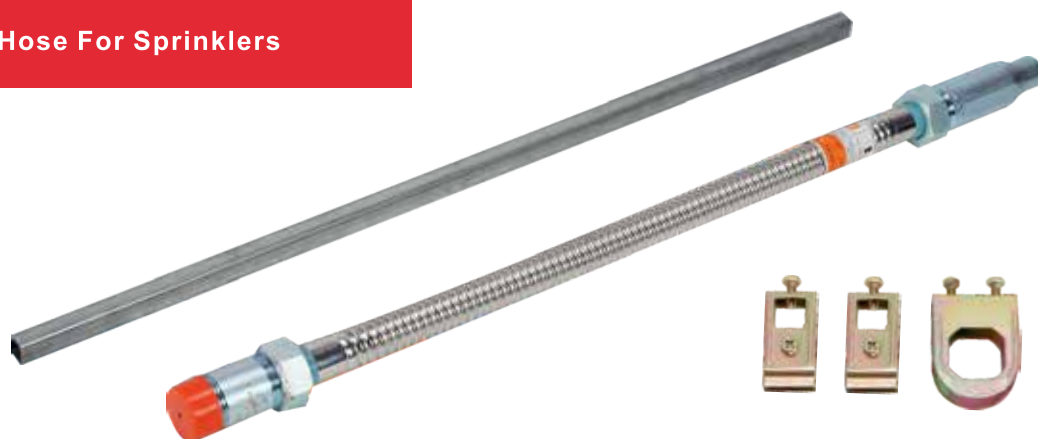
Warehouses

Oil & Power Plants Etc.






Fire Sprinklers



Flexible Hose For Sprinklers




PADMINI® Industrial Rubber Hoses

Hose	Nominal Bore mm	Construction	Application
Rubber Air Hose IS:446-1/2017 W.P. - 10 Kg/cm ² MIN. B.P. 40Kg/cm ²	12.5 20.5 25.0 31.5 38.0 45.0	Tube: Uniform seamless lining made from blend of natural & synthetic rubber compound. In addition to Type-3 lining is resistant to oil mist.	Type-1 & 2 Used with Compressors and other equipment as pneumatic tools for engineering purpose Type 3 Hoses used for Drilling Purpose in deep excavation operations.
Rubber Air Hose Pneumatic Purpose IS:446 Type-2 CM/L - 8447082  Marked W.P. 64Kg/cm ² MIN. B.P. 40Kg/cm ²	50.0 56.0 63.0 75.0 100.0	Reinforcement: Plies of woven fabric of braiding textile of high strength synthetic fibre. Cover: Black, smooth, cloth marked finish plain or ribbed cover of weather and abrasion resistant rubber, compound.	Service Tem. Range:- 40°F to +158°F
Rubber Air Hose For Rock Drilling IS:446- Type-3 CM/L - 8447082  Marked W.P.: 25Kg/cm ² MIN.B.P. 100Kg/cm ²		These sizes are ISI Marked in Type-2 & Type-3	
Rubber Hose for Welding IS:447  Marked CM/L - 8447183 W.P.12.5Kg/cm ² MIN. B.P. 50Kg/cm ²	5.0 6.0 8.0 10.0 12.5	Tube: Uniform seamless tube of natural / synthetic rubber resistant to fuel gas (oxygen) and other non combustible gases. Reinforcement: Plies of woven fabric of braiding textile of high strength synthetic fibre. Cover: Natural/synthetic rubber.	Service Tem. Range:- - 40°C to + 70°C
Rubber Hose for Sand Blasting As Per IS: 5894 TYPE 1 W.P. 7Kg/cm ²  Marked MIN. B.P. 35Kg/cm ² As Per IS: 5894 TYPE 2 W.P. 10Kg/cm ²  Marked MIN. B.P. 50Kg/cm ²	20.0 25.0 31.5 38.0 45.0 50.0 56.0 63.0 75.0 100.0	Tube: Extra thick seamless tube of soft natural rubber compound of high tensile strength, excellent abrasion resistant and free from any mineral filler. Reinforcement: Plies of woven textile of high strength natural or synthetic fibre. Electrical Bonding: Low resistant electrical bonding wire in-corporated between the reinforcement piles to provide electrical continuity along the whole length of the hose. Cover: Natural/ Synthetic Rubber, Cloth marked finish. These Sizes are ISI Marked	This hose used for sand/ shot blasting applications for conveying sand and other abrasive materials at high velocity in heavy engineering industries, ordnance factories etc. Service Temp. Range:- 40°F to +158°F

Leadership through Innovation

Padmini Industries Limited

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Authorised Dealer