

OMEGATM





Automatic sprinklers brought a revolution in the matter of safety against Fire. Counted among the best equipment to extinguish fire at initial stage without any human involvement for operation.

Sprinklers may be required to be installed by building codes, or may be recommended by insurance companies to reduce potential property losses or business interruption. Places with overnight sleeping accommodation such as hotels, nursing homes, dormitories, and hospitals usually require sprinklers either under local building codes.

Each closed-head sprinkler is held closed by a glass bulb. The glass bulb applies pressure to a pipe cap which acts as a plug which prevents water from flowing until the ambient temperature around the sprinkler reaches the design activation temperature of the individual sprinkler head. In a standard wet-pipe sprinkler system, each sprinkler activates independently when the predetermined heat level is reached. Thus, only sprinklers near the fire will operate, normally just one or two. This maximizes water pressure over the point of fire origin, and minimizes water damage to the building.

A sprinkler activation will do less water damage than a fire department hose stream, which provide approximately 800 litres/min whereas a typical sprinkler discharge about 75-250litres/min. In addition, a sprinkler will usually activate within one to four minutes of the fire's start, whereas it typically takes a while for a fire department to register an alarm and drive to the fire site, and an additional ten minutes to set up equipment and apply hose streams to the fire. This additional time can result in a much larger fire, requiring much more water to extinguish.

Omega Industries manufactures BIS approved (ISI marked) Automatic sprinklers for fire fighting services. Each sprinkler is cautiously tested at our In-house testing facility as per the BIS standard.



Automatic Sprinkler Heads



PENDENT TYPE



UPRIGHT TYPE



SIDEWALL TYPE

SPRINKLER TYPE	MODEL CODE	MATERIAL	ORIFICE	THREAD TYPE	TEMP. RATING	BULB COLOR	ISI MARKED
PENDENT	PD	FORGED BRASS	15 MM	1/2 inch BSP	68°C	RED	✓
UPRIGHT	UR	FORGED BRASS	15 MM	1/2 inch BSP	68°C	RED	✓
SIDEWALL	SW	FORGED BRASS	15 MM	1/2 inch BSP	68°C	RED	✓



RRL Hose (Reinforced Rubber Lined Hose)

Non Percolating Flexible Delivery Hose

Conforming to IS : 636-2018 Type-1 ISI Marked
Application : RRL Hose used for water delivery purpose in Fire-Fighting & Civil Engineering Applications etc.

Jacket : Circular woven jacket made from a high tensity synthetic yarn with high abrasion and heat resistance.

Reinforcement : Synthetic rubber / rubberised fabric reinforcement.

Standard Length: 7.5 Mtrs, 15 Mtrs, 22.5 Mtrs & 30 Mtrs. or as per the customer requirements.

End Connection: Instantaneous male /female coupling.

FEATURES

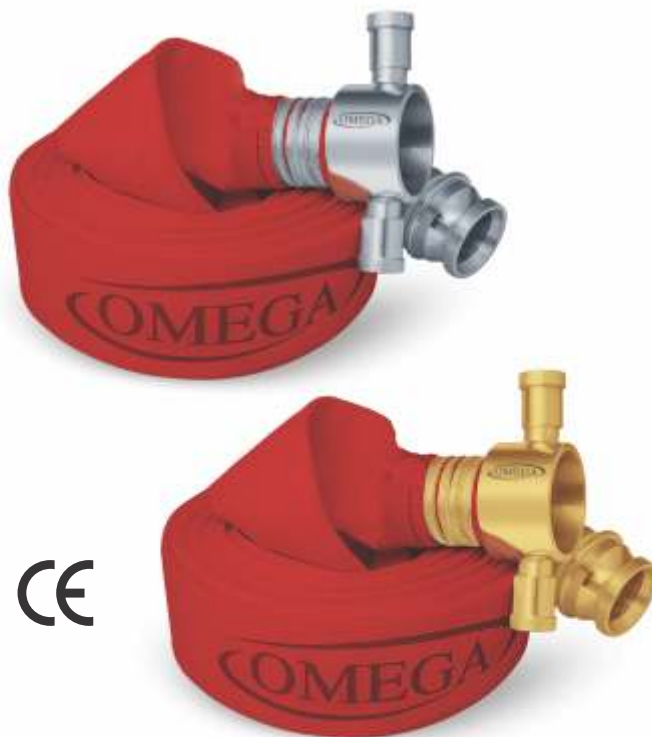
Flexible & Light weight, Abrasion Resistant, Ability to withstand high operating & proof pressure.

IS : 636 - 2018 Type-1



CML : 8700075613

DIAMETER mm	38	50	63	70
BURSTING PRESSURE kgf/cm ²	38	38	38	38
TEST PROOF PRESSURE kgf/cm ²	23	23	23	23
COIL DIAMETER (30MTR) cm	39-41	39-41	39-41	39-41



RRL Hose (Reinforced Rubber Lined Hose) with Elastomeric coating

Non Percolating Flexible Delivery Hose

TECHNICAL SPECIFICATIONS

Hose : RRL Hose with Elastomeric Coating manufactured & tested as per the BIS standard laid in IS : 636-2018 Type-2

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

Jacket : Circular woven jacket made from a high tensity synthetic yarn with high abrasion and heat resistance. Elastomeric coating to increase resistance to oil, moisture and fungus.

Reinforcement : Synthetic rubber / rubberised fabric reinforcement.

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

End Connection: Instantaneous male /female coupling.

FEATURES

Compact, Flexible & Light weight , Abrasion, Bacteria & fungus Resistant Ability to withstand high operating & proof pressure..



DIAMETER mm	38	50	63	70
BURSTING PRESSURE Kgf/cm ²	38	38	38	38
TEST PROOF PRESSURE Kgf/cm ²	23	23	23	23
COIL DIAMETER (30MTR) cm	39-41	39-41	39-41	39-41

CP Hose

Controlled Percolating Hose

Hose: Conforming to IS:8423-1994, ISI Marked.

Application : Controlled percolating hose is used by the fire services in circumstances where some degree of percolation is essential to prevent the hose from being scorched when used over hot surfaces and also where water damage because of percolation is not of any consequence. **Example : Forestry Fire Service.**

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

Rubber Lining: An ultra thin layer of natural rubber compound.

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

End Connection: Instantaneous male / female coupling.

FEATURES:

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

Note : This hose shall be used for fire fighting under special circumstances only.



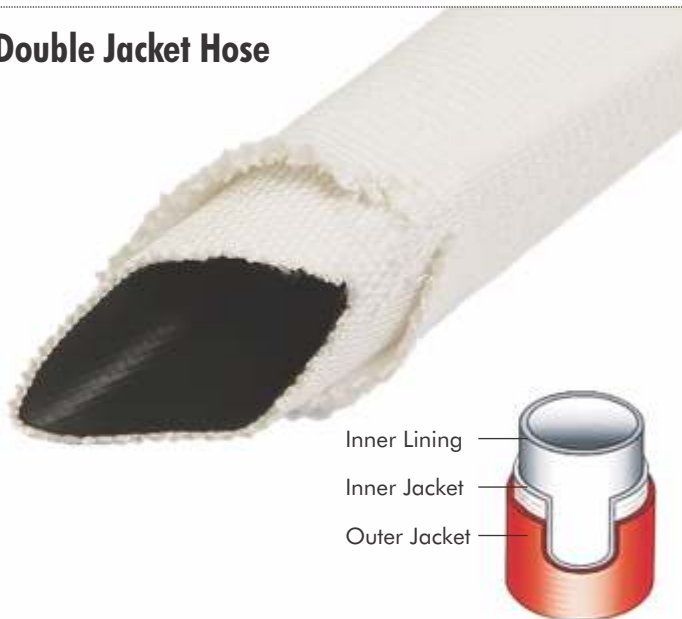
IS : 8423 - 1994



CM/L : 8700075520

DIAMETER mm	38	50	63	70
BURSTING PRESSURE kgf/cm ²	35.7	35.7	38	38
TEST PROOF PRESSURE kgf/cm ²	21.4	21.4	23	23
COIL DIAMETER (30MTR) cm	32-35	32-35	39-41	39-41
PERCOLATION (IN LTRS)	0.40-4.00	0.60-5.00	0.80-5.00	1.20-6.00

Double Jacket Hose



Inner Lining

Inner Jacket

Outer Jacket

Colored Hose



DIAMETER mm	38	50	63	70
STANDARD LENGTH MTRS.	7.5	15	22.5	30

Instantaneous Male/Female type Coupling

Technical Specifications

Size : 63mm

Material: Stainless Steel / Gun Metal / Aluminum Alloy manufactured and tested as per the BIS standard laid in IS : 903-1993

Performance Test

Hydrostatic Test : Tested at 21 Kg/cm²

Finish: Natural Polished

Hologram: Sticker stuck on Coupling.



Stainless Steel

Gun Metal

Aluminum

Type of Material	Stainless Steel	Gun Metal	Aluminum
Body, Assembly	Stainless Steel - IS:3444	LTB2 - IS:318	IS:617
Rubber Washer.	IS:937 (Type-A)	IS:937 (Type-A)	IS:937 (Type-A)
Spring	Stainless Steel - IS:6528	Phosphorus Wire - IS:7608	Stainless Steel - IS:6528



Stainless Steel

Gun Metal

Aluminum

Short Branch Pipe with Nozzle

Technical Specification

Size of Branch Pipe : 63mm

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

Material: Gun metal/ Stainless Steel/Aluminium Alloy manufactured and tested as per the BIS standard laid in IS : 903-1993

Performance Test

Hydrostatic Test : Tested at 21 Kg/cm²

Working Pressure: 7Kg/cm²

Finish: Natural Polished

Hologram:- Sticker Stuck on Nozzle



Type of Material	Stainless Steel	Gun Metal	Aluminum
Body, Assembly	Stainless Steel - IS:3444	LTB2 - IS:318	IS:617
Rubber Washer	IS:937 (Type-B)	IS:937 (Type-B)	IS:937 (Type-A)



Swinging Type Wall Mounted First Aid Hose Reel Drum

Technical Specification

Size: Inlet : 1" Threaded Inlet Connection

Type : Swinging 180° Wall Mounting

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

Performance Test

Hydrostatic Test : Tested at 21 Kgf/cm²
Range & Water Flow rate test at 7 Kgf/ cm²

(A) Discharge: 24 LPM

(B) Range (Jet Length) : 6 Mtr (Min)

Halogram:- Sticker Stuck on Wheel

Hub Sides & Wall Bracket	Mild Steel
Swivel Joint	Die Casted Aluminum
Pipe with Fitting	Mild Steel
Shut of Nozzle	Plastic / Gun Metal / Brass
Hose Reel Tubing	Thermoplastic Hose confirming to IS : 12585-1988 (Type-1/Type-2)



Thermoplastic Hose Pipe Textile Reinforced) for Water

Technical Specification

Conforming to
IS: 12585 - 1988 Type - 1 W.P. 6 Kgf/cm²
IS: 12585 - 1988 Type - 2 W.P. 10 Kgf/cm²

Construction:-
Lining : A flexible Thermoplastic Lining,
Smooth in bore.

Reinforcement : A Natural or Synthetic Textile

Reinforcement : A flexible thermoplastics cover,
which may have a smooth or fluted.

Nominal Bore (ID) : 10.00 mm to 50.00 mm

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



IS : 12585 : 1988



CML No. 8700086214

Oblique Type Landing Valve

Technical Specifications

Size : 63mm
 Inlet : 80mm NB Flanged
 Outlet : Female Instantaneous
 Manufactured & tested as per standard
 laid in BIS Standard IS : 5290 - 1993

Performance Test

Hydraulic Test : 21kgf/cm²
 Water Tightness Test : 15kgf/cm²
 Flow Test : 900 LPM at 7 kgf/cm²
 Hand Wheel : Grey Cast Iron
 Halogram : Sticker Stuck on Landing Valve



Gun Metal



Stainless Steel



Aluminum

Double Outlet Landing Valve

Technical Specifications

Size : 63mm
 Inlet : 100mm NB Flanged
 Outlet : Female Instantaneous
 Manufactured & tested as per standard
 laid in BIS Standard IS : 5290 - 1993

Performance Test

Hydraulic Test : 21kgf/cm²
 Water Tightness Test : 14kgf/cm²
 Flow Test : 1800 LPM at 7 kgf/cm²
 Hand Wheel : Grey Cast Iron
 Halogram : Sticker Stuck on Landing Valve



Gun Metal



Stainless Steel



Aluminum

Flexible Sprinkler Hose Fittings

A Product of Seungjin/Youngjin/Daijin



Available product length and type	700mm to 1800 (28" to 70")
Available square bar length	700mm to 1500 (28" to 59")
Max. working pressure	14kgf/cm ² (200psi)
Max. ambient temperature	107°C (225°F)
Minimum installation Bending Radius	75mm (3")
Bending Angles (Flow Direction)	up to 180 Degree
Largest K factor for 1/2 inch outlet	5.6[gpm/(psi) ^{1/2}]
Largest K factor for 1/3 inch outlet	14.0[gpm/(psi) ^{1/2}]
Intended use	Wet system and dry system



Shut-Off Nozzles



Brass /GM

Brass /GM

ABS Plastic

Rosette Plates



Stand Post Type Water and Foam Monitor

Application

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



Materiel	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	58° 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



MS Cabinet Double Door



MS Cabinet Single Door



Electric Siren



Signs



Water Curtain Nozzle Stainless Steel



Water Curtain Nozzle Brass



FX - 10X



FB - 5X



Multi Purpose Nozzle



Fog Nozzle



Triple Purpose Nozzle



Revolving Nozzle



Foot Valve Strainer



Sprinkler MV Spray Nozzle



Gun Metal Air Release Valve



B.A. Set



Gun Metal & Aluminum
Dividing Breeching



Camlock Coupling



C.I. Draw of Connection



Gun Metal
Draw of Connection



Double Female Adapter



Adapter Double Female Lugs



Double Male Adapter



Suction Coupling



with Butterfly Lugs
Gun Metal Adapter



Stainless Steel Adapter



Aluminum Adapter



Gun Metal Adapter



Fire Bucket



Fire Blanket



Water Flow Indicator



Fire Bell

With young and energetic team, Omega Industries was established in the year 2016. With fresh ideas we constantly work on development of our products to give our customers better quality products at reasonable price.

Inspired by "MAKE IN INDIA" movement , we manufacture an extensive range of products, including standard as well as customized solutions. Product range mainly consists of **Automatic Fire Sprinklers, Non percolating Fire fighting water delivery hose & Controlled percolating fire fighting water delivery hose with couplings, Branch pipe & Nozzle, Fire Hydrant, First Aid Hose Reel and Hose reel pipe or Thermoplastic pipe.**

All the products manufactured completely at our manufacturing unit and are tested as per the Scheme of Testing and Inspection (STI) mentioned in the respective standards.

We serve many of the Oil & chemical Industries, manufacturing companies , industrial and residential construction companies, providing the right combination of product quality, efficiency in manufacturing, service excellence and domain expertise hence offering our customers a reliable and one-stop-shop for their requirements. We have complete control over the manufacturing our products and ensure its quality and reliability.

At Omega Industries, we understand our responsibility of offering products which are used for someone's safety therefore we care about our product performance, our commitments and customer relationships.

Understanding the requirement>>>manufacturing the right product>>>quality check>>>On-Time delivery. One can trust on us for sure!



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