



LEADING THE FIGHT  
AGAINST FIRE

**SRI**

**2014**  
Edition



## LEADING THE FIGHT AGAINST FIRE

### With Integrated Solutions

Steel Recon Industries was established in 1974 and wholly owned by SRII Group.

Our network of more than 70 distributors in the Asia Pacific, Middle East, Europe, the African continent and USA, assures our customers of fast, efficient delivery of SRI products. Our capabilities in design and manufacturing allow us to provide our clients, innovative solutions to the most challenging fire fighting applications. Our trained team of fire protection engineers, support specialists and skilled technicians are well experienced in interpreting specifications and requirements of international standards and Fire & Safety enforcement authorities.

We are committed to provide the most comprehensive and reliable fire fighting equipment and services to protect lives and properties. Our customers can be assured of the best from design, manufacturing to delivery, installation, training and support services to ensure optimum performance of the systems.

### With Quality

SRI's full range of fire fighting products are manufactured to international standards

- British Standard (BS)
- European Standard (EN)
- Australian Standard (AS)
- Singapore Standard (SETSCO)
- Underwriter Laboratories Standard (UL)
- Malaysian Standard (MS)

We are ISO9001 certified by Quality Assurance Services, Australia (QAS) and certification by IQNet.

### With Premier Fire System

To complete SRI's own manufactured products, we have extended specialized equipment providing our customers a one-roof total fire protection system.

Our fire systems include:

- |                            |                              |                         |
|----------------------------|------------------------------|-------------------------|
| * SR-200 System (HFC227ea) | * CO2 System                 | * Foam System           |
| * Fine Water Spray System  | * Inertec System (inert Gas) | * Fire Detection System |

### With Research & Development

It is our endless and firm commitment into research and development of SRI's products for our customer's needs and problems in the fire industry.



SRI foundry manufactures a wide range of cast products. Casting methods include pressure die casting, gravity die casting and sand mould casting. With our modern casting facility such as the electrical induction furnace and many years of foundry works experience, SRI is able to offer high quality product which is internationally accepted. Our production line is equipped with modern CNC machinery such as milling machine center, turning lathe and turret punching. These facilities ensure accuracy and speed of the machining process.



▲ Pressure Test



▲ Casting



▲ CNC Milling Machine Center



▲ Sand Mould Casting



▲ Sand Core Mounting



▲ CNC Lathe Machine



▲ CNC Turret Punch (Cabinet)



▲ Cylinder Deep Draw



▲ Powder Coat Painting



▲ Hose Reel Deep Draw

SRI's modern facility allows the company to manufacture high quality hose reels, hoses, fire extinguishers, and cabinets by using advanced computer aided manufacturing methods, a CAD/CAM operated sheet metal machine, automated paintshop for surface pre-treatment and powder coat painting. With continuous improvement in our manufacturing process we are able to provide quality products at competitive prices.



▲ Spectrometer Testing



▲ CO2 Fire Extinguisher Filling

SRI is committed to satisfy its customers by providing quality products. SRI is an ISO 9001 certified company by the internationally recognised Quality Assurance Services Australia. Our quality system ensures every stage of production process is under total control.



▲ Hose Manufacturing Facility



▲ Hose Pressure Test



▲ Hose Reel Test



▲ Helium Test



▲ Fire Extinguisher Powder Filling



▲ Warehouse

# FIRE HOSE REEL



HRS061-MS-722-RD



HRS038-MS-722-FS



HRS056-MS-722-RD



HRS035-GI-019-RD

## FEATURES

- Side plates red epoxy powder finishing
- Automatic hose reel has integrated automatic stop valve which will open after 2 revolution of the reel
- Threaded Inlet connection
- Outlet connection for hose can be rotated for left and right direction
- Waterways made from non ferrous metals which ensure corrosion free\*
- Maximum working pressure 12bar, test pressure 18bar (EN671-1)
- Maximum working pressure 10bar, test pressure 17bar (AS1221)
- Side plates available in stainless steel

SRI fire hose reels are tested and approved to European Standard EN671-1 by British Standards Institution and to Australian Standards AS1221 by QAS Australia.

Code No.	Drum Size	Hose Diameter x Length	Depth of Hose Reel	Type
<b>SIRIM, SETSCO approved BS EN671-1</b>				
HRS038-SS-022-RD	22"(559mm)	25mm x 30m	350mm	Swing Manual

Code No.	Drum Size	Hose Diameter x Length	Depth of Hose Reel	Type
HRS038-MS-022-RD	22"(559mm)	25mm x 30m	350mm	Swing Manual
HRS038-MS-722-RD	22"(559mm)	25mm x 30m	290mm	Swing Manual
HRS038-MS-019-RD	19"(483mm)	25mm x 30m	350mm	Swing Manual
HRS038-MS-722-FS	22"(559mm)	25mm x 30m	350mm	Swing Manual Flat Surface
HRS037-MS-019-RD	19"(483mm)	19mm x 30m	350mm	Swing Manual
HRS037-MS-022-RD	22"(559mm)	19mm x 30m	350mm	Swing Manual
HRS036-MS-022-RD	22"(559mm)	25mm x 30m	310mm	Fixed Manual
HRS036-MS-722-RD	22"(559mm)	25mm x 30m	240mm	Fixed Manual
HRS036-MS-019-RD	19"(483mm)	25mm x 30m	310mm	Fixed Manual
HRS035-MS-019-RD	19"(483mm)	19mm x 30m	310mm	Fixed Manual
HRS035-MS-022-RD	22"(559mm)	19mm x 30m	310mm	Fixed Manual
HRS061-MS-722-RD	22"(559mm)	25mm x 30m	290mm	Swing Automatic
HRS060-MS-719-RD	19"(483mm)	19mm x 30m	290mm	Swing Automatic
HRS056-MS-722-RD	22"(559mm)	25mm x 30m	240mm	Fixed Automatic
HRS055-MS-719-RD	19"(483mm)	19mm x 30m	240mm	Fixed Automatic

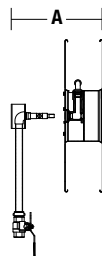
Code No.	Drum Size	Hose Diameter x Length	Depth of Hose Reel	Type
<b>BSI approved to BS EN671-1*</b>				
HRS033-SS-022-RD	22"(559mm)	25mm x 30m	290mm	Swing Manual
HRS034-SS-022-RD	22"(559mm)	19mm x 30m	290mm	Swing Manual
HRS031-SS-022-RD	22"(559mm)	25mm x 30m	240mm	Fixed Manual
HRS032-SS-022-RD	22"(559mm)	19mm x 30m	240mm	Fixed Manual
HRS029-SS-022-RD	22"(559mm)	25mm x 30m	290mm	Swing Automatic
HRS030-SS-022-RD	22"(559mm)	19mm x 30m	290mm	Swing Automatic
HRS027-SS-022-RD	22"(559mm)	25mm x 30m	240mm	Fixed Automatic
HRS028-SS-022-RD	22"(559mm)	19mm x 30m	240mm	Fixed Automatic
<b>SAI-Global approved to AS / NZS 1221</b>				
HRS035-GI-019-RD	19"(483mm)	19mm x 36m	310mm	Fixed Manual
HRS037-GI-019-RD	19"(483mm)	19mm x 36m	350mm	Swing Manual
HRS154-MS-600-RD	23.6"(600mm)	19mm x 36m	210mm	Fixed Manual

## EUROPEAN FIRE HOSE REEL

BRITISH STANDARDS INSTITUTION  
APPROVAL FIRE HOSE REELS



CERTIFIED TO BS EN 671  
LICENCE NO. KM 51957



### EUROPEAN FIRE HOSE REEL TYPE 1

The SRI Euro fire hose reels has been tested and approved to EN 671-1 by British Standard Institution\* and SP Lab Sweden.\*\* This range for fire hose reel has a slimmer design which can fit into smaller depth. For swing hose reel the inlet of the hose reel is fitted with a flexible hose and coupling for connection to the control valve for water supply.

#### (SWING TYPE)

Code No.	Drum Size	Hose Diameter x Length	Depth of Hose Reel (A)	Type
HRS072-MS-660-RD	660mm	25mm x 40m	230mm	Swing Manual
HRS072-MS-600-RD	600mm	25mm x 35m	230mm	Swing Manual
HRS072-MS-M22-RD*	559mm	25mm x 30m	230mm	Swing Manual
HRS073-MS-600-RD	600mm	25mm x 30m	200mm	Swing Manual
HRS073-MS-M22-RD	559mm	25mm x 25m	200mm	Swing Manual
HRS079-MS-600-RD	600mm	25mm x 20m	160mm	Swing Manual
HRS076-MS-660-RD	660mm	25mm x 30m	190mm	Swing Manual
HRS080-MS-600-RD	600mm	19mm x 40m	200mm	Swing Manual
HRS089-MS-600-RD	600mm	19mm x 30m	160mm	Swing Manual
HRS089-MS-022-RD	559mm	19mm x 25m	160mm	Swing Manual
HRS078-MS-022-RD	559mm	25mm x 30m	230mm	Swing Automatic
HRS077-MS-660-RD	660mm	25mm x 30m	190mm	Swing Automatic

#### (FIXED TYPE)

Code No.	Drum Size	Hose Diameter x Length	Depth of Hose Reel (A)	Type
HRS150-MS-600-RD	600mm	25mm x 30m	210mm	Fixed Manual
HRS150-MS-022-RD	559mm	25mm x 25m	210mm	Fixed Manual
HRS151-MS-600-RD	600mm	25mm x 20m	170mm	Fixed Manual
HRS152-MS-600-RD	600mm	19mm x 30m	170mm	Fixed Manual
HRS074-MS-022-RD	559mm	19mm x 25m	170mm	Fixed Manual

### EUROPEAN FIRE HOSE REEL TYPE 3

#### (SWING TYPE) - DETACHABLE

Code No.	Drum Size	Hose Diameter x Length	Depth of Hose Reel (A)	Type
HRS072-MS-025-T2	559mm	25mm x 30m	230mm	Swing Manual
HRS072-MS-025-T3	559mm	25mm x 30m	230mm	Swing Manual

### EUROPEAN FIRE HOSE REEL TYPE 2

#### (SWING TYPE) - DETACHABLE

Code No.	Drum Size	Hose Diameter x Length	Depth of Hose Reel (A)	Type
HRS171-MS-025-E2**	600mm	25mm x 30m	262mm	Swing Manual
HRS173-MS-020-E2**	600mm	20mm x 30m	262mm	Swing Manual

### EUROPEAN FIRE HOSE REEL TYPE 2

#### (FIXED TYPE) - DETACHABLE

Code No.	Drum Size	Hose Diameter x Length	Depth of Hose Reel (A)	Type
HRS170-MS-025-E2**	600mm	25mm x 30m	208mm	Fixed Manual
HRS172-MS-020-E2**	600mm	20mm x 30m	160mm	Fixed Manual

## FRENCH FIRE HOSE REEL



HRS211-MS-020-RD



HRS215-MS-033-RD

### FEATURES

- Side plates red epoxy powder finishing
- Outlet connection for hose can be rotated for left and right direction (only for 19mm and 25mm hoses)
- Waterways made from non ferrous metals which ensure corrosion free

Code No.	Type	Drum Size	Hose Diameter x Length	Depth of Hose Reel	Working Pressure	Test Pressure
HRS210-MS-020-RD	Fixed Manual	600mm	19mm x 30m	190mm	12bar	18bar
HRS211-MS-020-RD	Swing Manual	600mm	19mm x 30m	330mm	12bar	18bar
HRS212-MS-025-RD	Fixed Manual	600mm	25mm x 30m	230mm	12bar	18bar
HRS213-MS-025-RD	Swing Manual	600mm	25mm x 30m	330mm	12bar	18bar
HRS214-MS-033-RD	Fixed Manual	600mm	33mm x 30m	400mm	7bar	10.5bar
HRS215-MS-033-RD	Swing Manual	600mm	33mm x 30m	400mm	7bar	10.5bar

## HOLLAND FIRE HOSE REEL

Approved by:



kiwa

0402



HRS180-MS-020-E3

### FEATURES

- Side plates red epoxy powder finishing
- Outlet connection for hose can be rotated for left and right direction
- Slim

Code No.	Type	Drum Size	Hose Diameter x Length	Depth of Hose Reel	Working Pressure	Test Pressure
HRS180-MS-020-E3	Fixed Manual	480mm	19mm x 20m	205mm	12bar	18bar
HRS181-MS-020-E3	Fixed Manual	480mm	19mm x 25m	205mm	12bar	18bar
HRS182-MS-020-E3	Fixed Manual	480mm	19mm x 30m	232mm	12bar	18bar
HRS183-MS-020-E3	Fixed Manual	600mm	19mm x 20m	148mm	12bar	18bar
HRS184-MS-020-E3	Fixed Manual	600mm	19mm x 25m	148mm	12bar	18bar
HRS185-MS-020-E3	Fixed Manual	600mm	19mm x 30m	157mm	12bar	18bar



## HOSE REEL NOZZLES



HRS032-PS-020-CH  
HRS032-PS-025-CH



HRS032-PS-020-RD  
HRS032-PS-025-RD



HRS057-PS-020-RD  
HRS057-PS-025-RD



HRS065-GM-020-RD  
HRS065-GM-025-RD



HRS050-GM-020-CH  
HRS050-GM-025-CH



HRS039-GM-020-CH  
HRS039-GM-025-CH  
HRS039-GM-020-NA  
HRS039-GM-025-NA



HRS167-GM-020-CH



HRS167-GM-025-CH



SRI hose reel nozzles are designed, tested and approved to meet European Standard EN671-1 and Australian Standard AS 1221.

Nylon and ABS material complies to ageing test in accordance to ISO4892-2.2.

Throw range position at 0.6M 30± inclination, in accordance to EN671-1 Clause 10.4

Flowrate meets the equivalent nozzle diameter of 6mm in accordance to EN671-1.

### PLASTIC CHROME JET & SPRAY NOZZLE

### PLASTIC RED JET & SPRAY NOZZLE

Code No.	Setting	Material	Finishing	Inlet Size	Flowrate @ 30Psi (2.0 BAR)	Throwrange @ 30Psi (2.0 BAR)
HRS032-PS-020-RD	Jet / Spray	ABS/Brass	Red	3/4" (19 mm)	27L/MIN (JET)	11.0M
HRS032-PS-025-RD	Jet / Spray	ABS/Brass	Red	1" (25 mm)	35L/MIN (JET)	11.0M
HRS032-PS-020-CH	Jet / Spray	ABS/Brass	Chrome	3/4" (19 mm)	27L/MIN (JET)	11.0M
HRS032-PS-025-CH	Jet / Spray	ABS/Brass	Chrome	1" (25 mm)	35L/MIN (JET)	11.0M

### PLASTIC JET & SPRAY NOZZLE

### EUROPEAN JET & SPRAY NOZZLE

Code No.	Setting	Material	Finishing	Inlet Size	Flowrate @ 30Psi (2.0 BAR)	Throwrange @ 30Psi (2.0 BAR)
HRS065-GM-020-RD*	Jet/Spray	Nylon/Brass	Red	3/4" (19mm)	27L/MIN (JET)	11.5M
HRS065-GM-025-RD*	Jet/Spray	Nylon/Brass	Red	1" (25mm)	35L/MIN (JET)	11.5M
HRS057-PS-020-RD	Jet/Spray	Nylon	Red	3/4" (19mm)	27L/MIN (JET)	11.0M
HRS057-PS-025-RD	Jet/Spray	Nylon	Red	1" (25mm)	35L/MIN (JET)	11.0M

\* Nozzle use in EN671-1 approved Hosereel.

### CHROME FINISHED JET NOZZLE

### BRASS FINISHED JET & SPRAY NOZZLE

### CHROME FINISHED JET & SPRAY NOZZLE

Code No.	Setting	Material	Finishing	Inlet Size	Flowrate @ 30Psi (2.0 BAR)	Throwrange @ 30Psi (2.0 BAR)
HRS050-GM-020-CH	Jet	Brass	Chrome	3/4" (19 mm)	27L/MIN	11.0M
HRS050-GM-025-CH	Jet	Brass	Chrome	1" (25 mm)	32L/MIN	11.0M
HRS039-GM-020-CH	Jet / Spray	Brass	Chrome	3/4" (19 mm)	27L/MIN (JET)	11.0M
HRS039-GM-025-CH	Jet / Spray	Brass	Chrome	1" (25 mm)	32L/MIN (JET)	11.0M
HRS039-GM-020-NA	Jet / Spray	Brass	Chrome	3/4" (19 mm)	27L/MIN (JET)	11.0M
HRS039-GM-025-NA	Jet / Spray	Brass	Chrome	1" (25 mm)	32L/MIN (JET)	11.0M

### LEVER BALL VALVE JET & SPRAY NOZZLE

Code No.	Setting	Material	Finishing	Inlet Size	Flowrate @ 30Psi (2.0 BAR)	Throwrange @ 30Psi (2.0 BAR)
HRS167-GM-020-CH	Jet / Spray	Brass	Chrome	3/4" (19 mm)	27L/MIN (JET)	12M
HRS167-GM-025-CH	Jet / Spray	Brass	Chrome	1" (25 mm)	32L/MIN (JET)	12M

### FRENCH JET & SPRAY NOZZLE

Code No.	Setting	Material	Finishing	Inlet Size	Flowrate @ 30Psi (2.0 BAR)	Throwrange @ 30Psi (2.0 BAR)
HRS065-GM-020-FN	Jet / Spray	Nylon/Brass	Red	M24 x 2.0	27L/MIN (JET)	11.0M
HRS065-GM-025-FN	Jet / Spray	Nylon/Brass	Red	M24 x 2.0	27L/MIN (JET)	11.0M
HRS065-GM-033-FN	Jet / Spray	Nylon/Brass	Red	M36 x 2.0	92L/MIN (JET)	11.0M

## HOSE REEL ACCESSORIES



### HOSE GUIDE

Hose guide is used to ease the withdrawal of hose from fixed hose reel.

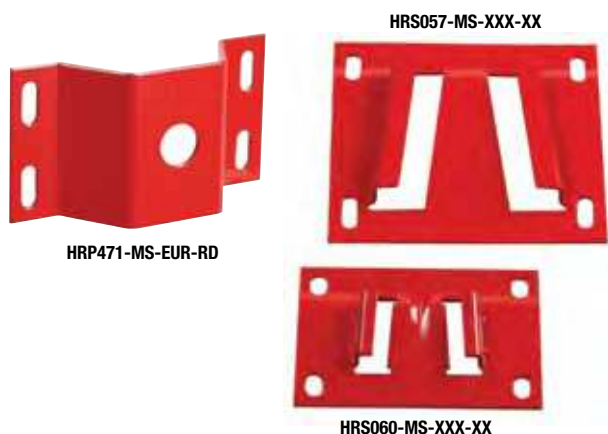
Code No.	Description	Material
HRS052-PS-STD-RD	Wall Mounting	Red Plastic
HRS052-MS-STD-ZP	Wall Mounting	Steel / Nylon Roller
HRS052-LA-STD-NA	Mounting at inlet pipe	Steel / Nylon Roller



### PRESSURE REDUCING VALVE

Pressure reducing valve is required for the hose reel system to reduce the pressure at the inlet of the hose reel to the nominal working pressure.

Code No.	Size	Working Pressure	Material
HRS063-GM-025-NA	25mm (1")	Max. inlet pressure up to 20 bar (290 psi)	Brass
HRS063-GM-050-NA	50mm (2")	Outlet pressure between 1 to 4 bar (14.5 to 58 psi)	Brass



### HOSE REEL WALL BRACKET

The wall bracket allows the hose reel swing or fixed to be easily installed within a short time. The wall bracket is first fixed on to the wall or mounting structure and then the hose reel is slotted into the bracket. The wall bracket also allows minor adjustments of the hose reel height thereby easing the connection of the inlet pipe. The wall bracket allows the hose reel to be installed by one person within a few minutes.

Code No.	Description	Material
HRP057-MS-XXX-XX	Swing Hose Reel	Mild Steel
HRP060-MS-XXX-XX	Fixed Hose Reel	Mild Steel
HRP060-SS-XXX-XX	Fixed Hose Reel	Stainless Steel
HRP471-MS-EUR-RD	Fixed Hose Reel	Mild Steel

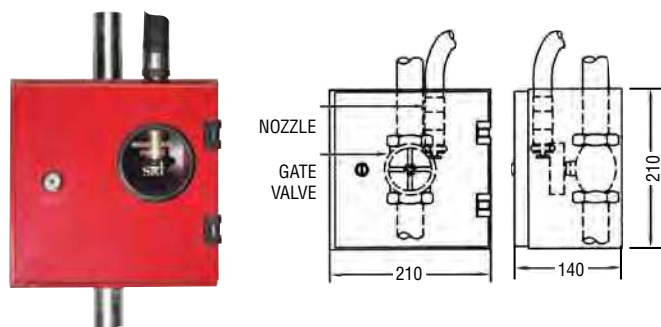


### STOP VALVE, STOP VALVE WITH NOZZLE LOCKING DEVICE BALL VALVE AND BALL VALVE WITH COMPRESSION FITTING

As required by British Standard, stop valves should be installed at the inlet of all hose reels and it should have a feature to ensure that the nozzle can only be released after opening the valve. SRI has provided an ingenious solution with a quick opening ball valve and nozzle locking device.

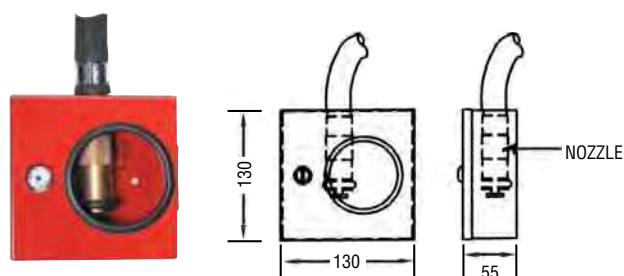
Code No.	Size	Material	Working Pressure
HRS109-GM-025-NA	25mm (1") ball valve with nozzle locking device	Brass	14 Bar (203 psi)
HRP436-GM-025-CH	25mm (1") ball valve	Chrome	17 Bar (250 psi)
HYC122-GM-025-XX	25mm (1") gate valve	Brass	15.8 Bar (230 psi)
HRS168-BR-025-NA	25mm (1") ball valve with compression fitting For Euro Type 2 Hosereel	Brass	15.8 Bar (230 psi)

## HOSE REEL ACCESSORIES



### NOZZLE BOX MODEL A

TECHNICAL SPECIFICATION	
<b>Dimension</b>	210mm (W) x 210mm (H) x 140mm (D)
<b>Capacity</b>	1 No Gate Valve and 1 No Nozzle
<b>Thickness</b>	0.9mm
<b>Installation</b>	Wall Mounted
<b>Paint Finish</b>	Epoxy Powder Red
<b>Material</b>	Mild Steel
<b>Code No.</b>	HRS071-MS-STD-RD



### NOZZLE BOX MODEL B

TECHNICAL SPECIFICATION	
<b>Dimension</b>	130mm (W) x 130mm (H) x 55mm (D)
<b>Capacity</b>	1 No Nozzle
<b>Thickness</b>	0.9mm
<b>Installation</b>	Wall Mounted
<b>Paint Finish</b>	Epoxy Powder Red
<b>Material</b>	Mild Steel / Aluminum Alloy
<b>Code No.</b>	HRS048-MS-STD-RD / HRS048-LA-STD-RD

## FIRE HOSE (HOSE REEL)



Optional: Length of Hose 15m to 100m available upon request.

SRI fire hoses are also available with size (1½") 38mm

<b>Code No.</b>	HRS041 / HRS044 / HRS069
<b>Size</b>	1½" (38mm)
<b>Working Pressure</b>	102Psi (7 Bar)
<b>Minimum Burst Pressure</b>	355Psi (24.5 Bar)
<b>Proof Pressure</b>	203Psi (14 Bar)
<b>Colour</b>	Red or Black

SRI fire hoses are tested to European Standard EN 694 and Australian Standard AS 1221.

### SPECIFICATION:



EN 694

Code No.	HRS044	HRS068
<b>Size</b>	¾" (19mm), 1" (25mm)	1¼" (33mm)
<b>Working Pressure</b>	174Psi (12 Bar)	102Psi (7 Bar)
<b>Minimum Burst Pressure</b>	609Psi (42 Bar)	355Psi (24.5 Bar)
<b>Proof Pressure</b>	348Psi (24 Bar)	203Psi (14 Bar)
<b>Colour</b>	Red or Black	Black



EN 694 Approved with Hosereel & Nozzle

<b>Code No.</b>	HRS069
<b>Size</b>	¾" (19mm) / 1" (25mm)
<b>Working Pressure</b>	174Psi (12 Bar)
<b>Minimum Burst Pressure</b>	609Psi (42 Bar)
<b>Proof Pressure</b>	348Psi (24 Bar)
<b>Colour</b>	Red or Black



AUSTRALIAN STANDARD  
AS/NZS 1221 LC1355



SIRIM  
CERTIFIED TO BS EN 671-1:2001  
Certification No: PS905704

<b>Code No.</b>	HRS041
<b>Size</b>	¾" (19mm) / 1" (25mm)
<b>Working Pressure</b>	174Psi (12 Bar)
<b>Minimum Burst Pressure</b>	609Psi (42 Bar)
<b>Proof Pressure</b>	348Psi (24 Bar)
<b>Colour</b>	Red or Black

## CONTINUOUS FLOW HOSE REEL



- Available with ¾", 1", 1¼" & 1½" with 15m to 50m hoses.
- Detachable rewinding handle
- Material: Aluminum Alloy / Mild Steel
- Optional: Trolley unit and Cabinet
- Application Area: Industrial Plant and wash down stations

TECHNICAL SPECIFICATION			
<b>Size</b>	¾"	1"	1½" / 1¼"
<b>Maximum Working Pressure</b>	15 bar (230psi)	15 bar (230psi)	15 bar (230psi)
<b>Overall Dimension (exclude rewind handle)</b>	700mm (H) x 750mm (W) x 650mm (D)		700mm (H) x 1000mm (W) x 650mm (D)
<b>Flowrate &amp; Throwrange</b>	40LPM, 20M @ 5 bar (72 psi)	50LPM, 20M @ 5 bar (72 psi)	290LPM, 20M @ 5 bar (72 psi)

Code No.	Description
HRS059-LA-020-SV	¾" x 30m
HRS059-LA-025-SV	1" x 30m
HRS059-LA-038-SV	1½" x 30m
HRS015-LA-020-SV	¾" x 30m on trolley
HRS015-LA-025-SV	1" x 30m on trolley
HRS015-LA-038-SV	1½" x 30m on trolley

## CABINET WITH CONTINUOUS FLOW HOSE REEL



- Available with ¾", 1", 1¼" & 1½" with 15m to 50m hoses.
- Detachable rewinding handle
- Material: Aluminum Alloy / Mild Steel
- Optional: Trolley unit and Cabinet
- Application Area: Industrial Plant and wash down stations

Code No.	Description
HRS115-MS-025-RD	Cabinet for ¾" & 1" size
HRS115-MS-038-RD	Cabinet for 1½" size

## WASH DOWN HOSE REEL



- Suitable for mounting on wall or floor.
- Light weight and compact.
- Suitable for garden or washing application.
- Rugged construction for long lasting usage.
- Can be pick up easily.
- Complete with rewind handle.
- Flexible inlet connection hose.
- Also available in 20m.

TECHNICAL SPECIFICATION	
<b>Capacity</b>	¾" x 25m hose
<b>Weight</b>	12kg
<b>Nozzle</b>	Jet / Spray / Off
<b>Material</b>	Mild Steel
<b>Finishing</b>	Epoxy Powder Coating
<b>Hose Material</b>	PVC
<b>Dimension</b>	520mm (L) x 410mm (W) x 520mm (H)
<b>Code No.</b>	HRS114-MS-020-YW

# FIRE HYDRANT VALVE BS 5041



CERTIFIED TO BS 5041 PART 1  
LICENCE NO. KM65754



SIRIM  
CERTIFIED TO BS 5041 (P1): 1987  
Certification No: PS005706



## SPECIFICATION

Body : Copper Alloy to BS 1982  
 Handwheel : Grey Cast Iron to BS EN 1561  
 Inlet : Flanged or BSP screw thread  
 Outlet : Female instantaneous to BS 336 and other connections  
 Working Pressure : 7 bar  
 Manufacture and certified to BS 5041 Part 1\*  
 Nominal size : DN65 2-1/2", DN50 2". DN80 3"

## STRAIGHT THROUGH VALVE

Code No.	Inlet Size
DRS107-GM-65BSP*	Male BSP Thread 65mm
DRS107-GM-65NST	Female Screw 65mm-NST
DRS108-GM-65ANSI	ANSI 150 FF Flange 65mm
DRS108-GM-65PN16*	BS 4504 PN16 65mm
DRS108-GM-65TE	BS 10 Table E Flange 65mm
DRS108-GM-UK80AB	ANSI 150 FF Flange 80mm

## RIGHT ANGLE VALVE

Code No.	Inlet Size
DRS105-GM-65BSP*	Male BSP Thread 65mm
DRS106-GM-65TE	BS 10 Table E Flange 65mm
DRS106-GM-65PN16	BS 4504 PN16 65mm
DRS106-GM-UK65AB	ANSI 150 FF Flange 65mm
DRS106-GM-UK80AB	ANSI 150 FF Flange 80mm

## BIB NOSE VALVE

Code No.	Inlet Size
DRS109-GM-UK65AB	ANSI 150 FF Flange 65mm
DRS109-GM-UKPN16*	BS4504 PN16 65mm
DRS109-GM-UK65MB*	Male BSP Thread 65mm
DRS109-GM-UKTE	BS10 Table E Flange 65mm
DRS109-GM-UK80AB	ANSI 150 FF Flange 80mm

## OBLIQUE VALVE

Code No.	Inlet Size
DRS097-GM-65BSP*	Male BSP Thread 65mm
DRS098-GM-65ANSI	ANSI 150 FF 65mm
DRS098-GM-65PN16*	BS 4504 PN16 Flange 65mm
DRS098-GM-80ANSI	ANSI 150 FF 80mm
DRS098-GM-65TE	BS 10 Table E Flange 65mm

## FEATURES

- Suitable for inlet pressure up to 20bar
- Reduced outlet static pressure can be set from 5 to 8bar
- Outlet pressure remain constant with inlet pressure range from 7bar to 20bar
- Pressure test to 30bar
- Minimum Flowrate up to 1400L/M

## PRESSURE REGULATING VALVE 'E' TYPE

Code No.	Inlet Size
WRS121-GM-65BSP*	Male BSP Thread 65mm
WRS120-GM-65TE	BS 10 Table E Flange 65mm
WRS120-GM-65ANSI	ANSI 150 Flange 65mm
WRS120-GM-65PN16*	BS 4504 PN16 65mm
WRS120-GM-80ANSI	ANSI 150 FF Flange 80mm



CERTIFIED TO BS 5041 PART 1  
LICENCE NO. KM65754



SIRIM  
CERTIFIED TO BS 5041 (P1): 1987  
Certification No: PS005706



## FIRE HYDRANT VALVE



## GATE VALVE

Code No.	Inlet Size
DRS120-GM-BSPN16	BS 4504 PN16 65mm
DRS120-GM-65TE	BS 10 Table E Flange 65mm

## FIRE BRIGADE VALVE

Code No.	Inlet Size
DRS110-GM-65BSPT	BSP 65mm male thread



## HYDRANT VALVE INTERNATIONAL OUTLET FITTINGS

Code No.	Outlet Size
DRS100-GM-65NEN	Storz NEN 3374
DRS100-GM-AB75	Storz 75 B
DRS100-GM-65AMAC	Machino
DRS100-GM-65ABSP	BSP 65mm male thread
DRS108-GM-65BGDV	BOGDANOV (GOST) 65mm
DRS106-GM-38BGDV	Storz 52C
DRS108-GM-51BGDV	BOGDANOV (GOST) 51mm
DRS106-GM-BGDV2	BOGDANOV (GOST) 65mm



## OBLIQUE STANLEY PRESSURE REGULATING VALVE

Code No.	Inlet Size
WRS117-GM-65BSP	Male BSP Thread 65mm
WRS122-GM-65N16	PN 16 Flange 65mm

## AUSTRALIAN STANDARD HYDRANT VALVE AS 2419.2



Code No.	Inlet Size	Outlet Size
DRS099-LG-65MTBS	2 - 1/2" BSPT	BS 336 Female Outlet
DRS099-LG-80RGWM	3" Roll Groove / 2 - 1/2" BSP Female	2 - 1/2" x 5 - 1/5" TPI Whitworth Male, NSW, FBT
DRS099-LG-80RGQM	3" Roll Groove / 2 - 1/2" BSP Female	2 - 1/2" x 1/2" Male Queensland Round Thread.
DRS099-LG-65MTWM	2 - 1/2" BSP Male	2 - 1/2" x 5 - 1/5" Tpi Whitworth Male NSW, FBT
DRS099-LG-65MTQM	2 - 1/2" BSP Male	2 - 1/2" x 1/2" Male Queensland Round Thread.
DRS099-LG-80SJWM	Shoulder Joints	2 - 1/2" x 5 - 1/2" TPI Whitworth Male, NSW, FBT
DRS099-LG-80RGS	3" Roll Groove / 2 - 1/2" BSP Female	2 - 1/2" x 1/2" Male SA Round Thread
DRS099-LG-RGBS	3" Roll Groove / 2 - 1/2" BSPT Female	BS336 Female Outlet
DRS099-LG-MTCR	2 - 1/2" BSPT Male	2 - 1/2" x 3TPI Male CFA Round
DRS099-LG-RGCR	3" Roll Groove / 2 - 1/2" BSPT Female	2 - 1/2" x 3TPI Male CFA Round

## WET AND DRY RISER EQUIPMENT



### RATIO TYPE LANDING VALVE TO BS5041

Code No.	Inlet Size	Outlet Size	Flowrate
WRS124-LG-3X1-RD	Male BSP Thread 80mm	BS 336 Female	min 510L/min
WRS124-LG-2X1-RD			
WRS124-LG-3X2-RD			

Approved by:

★ BRITISH STANDARDS  
INSTITUTION APPROVAL



CERTIFIED TO BS 5041 PART 3  
LICENCE NO. KM85754



SIRIM  
CERTIFIED TO BS 5041-PT.3: 1975  
Certification No: P800705



### 2-WAY & 4-WAY BREECHING INLET

#### SPECIFICATION

Body : Ductile Iron  
 Inlet : BS Instantaneous Male Copper Alloy to BS 1982  
 Outlet : 2 Way Breaching Inlet Flanged 4" table E. BS 10  
           : 4 Way Breaching Inlet Flanged 6" table E. BS 10  
           : 2 Way Breaching Inlet Flanged 4" table D  
           : 2 Way Breaching Inlet Flanged 3" ANSI

Working Pressure : 10 Bar

Testing Pressure : 20 Bar

Code No.	Description	Inlet Size	Outlet Size
DRS095-DI-BSPN16	2-way breaching inlet	BS 336 Male	Table E/PN 16
WRS115-DI-BSPN16	4-way breaching inlet	BS 336 Male	Table E/PN 16
DRS095-DI-BSPN 16	2-way breaching inlet	BS 336 Male	Table D
DRS095-GM-080AN	2-way breaching inlet	BS 336 Male	3" ANSI



### GERMAN BREECHING INLET

Code No.	Description	Outlet Size	Inlet Size
DRS130-GM-STN-NA	2-way breaching inlet	Female BSP Thread 80mm	Storz B75 (89mm)



### AIR RELEASE VALVE

Code No.	Inlet Connection
WRS104-GM-020-NA	20mm (3/4") BSP
WRS104-GM-025-NA	25mm (1") BSP



### GERMAN LANDING VALVE

Code No.	Inlet Size	Outlet Size
WRS130-GM-90D-NA	Male BSP Thread 50mm	Storz C52 (66mm)
WRS130-LA-90D-NA	Male BSP Thread 50mm	Storz C52 (66mm)

## HOSE RACK ASSEMBLY



SRI's hose rack assembly is located inside buildings at the wet or dry riser outlet. It features a rack in which hangs the layflat fire hose (30m). An automatic release mechanism allows water to flow through the hose after removal of the hose and nozzle. The rack is available in sizes of 1-1/2" and 2-1/2". There are two methods of mounting the hose rack. One is by using a wall bracket and the other is by fixing on to a right angle valve.

### STANDARD FEATURES

Hose rack, layflat fire hose, coupling, nozzle, hose rack right angel valve, hose rack nipple.

Code No.	Description
WRS082-MS-038-RD	1-1/2" Hose rack
WRS084-GM-038-NA	1-1/2" Hose rack right angle valve (with UL listed)
WRS086-GM-038-NA	1-1/2" Hose rack nipple
WRS085-MS-038-RD	1-1/2" Hose rack wall mounting bracket
WRS083-GM-038-NA	1-1/2" NHT ribbed tail coupling
HYD075-16-038-WH	1-1/2" Lay flat hose 16 bar white
WRS103-GM-038-NA	1-1/2" Jet & spray & nozzle
WRS082-MS-065-RD	2-1/2" Hose rack
WRS084-GM-065-NA	2-1/2" Hose rack right angle valve
WRS086-GM-065-NA	2-1/2" Hose rack nipple
WRS085-MS-065-RD	2-1/2" Hose rack wall mounting bracket
WRS079-LA-065-NA	2-1/2" Instantaneous ribbed tail coupling
HYD075-16-065-WH	2-1/2" Lay flat hose 16 bar white
WRS099-LA-STD-NA	2-1/2" Jet & spray nozzle

Refer to nozzle page for selection of nozzles

Refer to layflat fire hose for selection of hoses

## HOSE CRADLE



### HOSE CRADLE

SRI hose cradle is the free swing type with 180° movement suitable for holding one length of 2-1/2" x 30M layflat fire hose. It is installed next to the wet or dry riser outlet.

Body	Mild Steel
Code No	WRS081-MS-065-RD

### ALUMINIUM HOSE CRADLE

Body	Aluminium
Code No	WRS081-LA-065-NA
Description	Rack hose cradle 870x120x520 LA 65mm

## CANVAS HOSE REEL



### FEATURES

- Side plates red epoxy powder finishing
- Suitable for 1-1/2" , 2" & 2-1/2" layflat hose x 15m

Code No	HRS013-MS-100-RD
Drum Size	19"(483mm)
Type	Swing Manual



## FIRE HYDRANT EQUIPMENT



HYD056-CI-100-YW



HYD056-CS-150-RD

### HIGH PRESSURE FIRE HYDRANT

Body material : Model HYD056-CI-100-YW - Cast Iron to BS 1561  
 Model HYD056-CS-150-RD - Carbon Steel  
 Test pressure : 30 bar (435 psi)  
 Working pressure : 20 bar (300 psi)  
 Outlet pressure setting : 7 bar (101 psi) at static flow  
 Finishing : Red & Yellow

Code No.	Outlet	Inlet
HYD056-CI-100-YW	2 x 2-1/2" Pressure Regulating Control Valve with Female BS Instantaneous Outlet	4" Table E BS 10 Flange
HYD056-CS-150-RD	4 x 2-1/2" Pressure Regulating Control Valve with Female BS Instantaneous Outlet	6" Table E BS 10 Flange



HYD059-CI-100-RD



HYD060-CI-100-YW

### 2 WAY FIRE HYDRANT

Body material : Cast Iron to BS 1561  
 Outlet : Copper alloy BS 1982  
 Test pressure : 20 bar (300 psi)  
 Working pressure : 15 bar (217 psi)  
 Finishing : Red & Yellow

Model HYD059-CI-100-YW can be fitted with an underground 4" gate valve with spindle cap (sluice valve) and operated by using a hydrant key and bar (HYD066-CI-030-BK / HYD066-LA-030-NA)

Code No.	Outlet	Inlet
HYD059-CI-100-RD	2 x (2-1/2") Male Thread NST/BSP	4" Table E BS 10 Flange
HYD060-CI-100-YW	2 x 2-1/2" Control Valve with Female BS Instantaneous Outlet	4" Table E BS 10 Flange
HYD060-CI-100-RD	2 x 2-1/2" Control Valve with Female BS Instantaneous Outlet	4" Table E BS 10 Flange

## FIRE HYDRANT EQUIPMENT



HYD061-CI-150-RD



HYD055-CI-150-RD

### 3 WAY FIRE HYDRANT

Body material : Cast Iron to BS 1561  
 Outlet : Copper alloy BS 1982  
 Test pressure : 20 bar (300 psi)  
 Working pressure : 15 bar (217 psi)  
 Finishing : Red

Model HYD061-CI-150-RD can be fitted with an underground 6" gate valve with spindle cap (sluice valve) and operated by using a hydrant key and bar (HYD066-CI-030-BK / HYD066-LA-030-NA)

Code No.	Outlet	Inlet
HYD061-CI-150-RD	2 x (2-1/2") Male Thread 1 x 4" Male Thread	6" Table E BS 10 Flange
HYD055-CI-150-RD	2 x 2-1/2" Control Valve with Female BS Instantaneous Outlet 1 x 4" Male Thread	6" Table E BS 10 Flange



### 4 WAY FIRE HYDRANT

Body material : Carbon Steel  
 Outlet : Copper alloy BS 1982  
 Test pressure : 30 bar (435 psi)  
 Working pressure : 20 bar (290 psi)  
 Outlet pressure setting : 7 bar (101 psi)  
 Finishing : Red

Code No.	Outlet	Inlet
HYD052-CS-150-RD	4 x 2-1/2" Pressure Regulating Control Valve with Female BS Instantaneous Outlet	6" ANSI B16.5 Welding Neck Flange 300# FF

## INTERNAL VALVE FIRE HYDRANT

This hydrant is operated by using a hydrant wrench to turn the operating mechanism at the top of the hydrant which will open the valve seat. It is available in two sizes 4" and 6".

### SPECIFICATION

Body : Cast Iron  
 Valve seat : Nylon  
 Valve seat ring : Bronze  
 Test Pressure : 20 Bar (300 psi)  
 Working Pressure : 10 Bar (145 psi)



Code No.	Outlet	Inlet
HYD086-CI-100-RD	2 x (2 - 1/2") male thread, 1 x (4") male thread	4" PN16 BS 4504
HYD087-CI-100-RD	2 x (2 - 1/2") control valve with female BS instantaneous outlet, 1 x (4") male thread	4" PN16 BS 4504
HYD088-CI-100-RD	2 x (2 - 1/2") control valve with female BS instantaneous outlet, 1 x (4") monitor unit	4" PN16 BS 4504
HYD086-CI-150-RD	2 x (2 - 1/2") male thread, 1 x (4") male thread	6" ANSI 150RF
HYD087-CI-150-RD	2 x (2 - 1/2") control valve with female BS instantaneous outlet, 1 x (4") male thread	6" ANSI 150RF

Refer to landing valve section for type of control valves  
 Extension pipe available upon request

### TRAFFIC IMPACT HYDRANT

The main valve will remain tightly closed even if the hydrant is accidentally damaged by traffic impact.

Code No.	Outlet	Inlet
HYD088-CI-150-RD	2 x (2 - 1/2") control valve with female BS instantaneous outlet, 1 x (4") male thread	6" ANSI 150

## INDICATOR POST WITH GATE VALVE



The Indicator Post with gate valve provides a means for operating a buried or otherwise inaccessible gate valve to controlled flow of water in buried pipe. A wrench is provided to fit on top of the unit for turning the gate valve open and shut.

Indicator Post readily and clearly indicates whether the gate valve buried is open or shut. It is suitable for gate valves from 4" up to 12".

The Indicator Post is manufactured to suit various buried depth, it is also easily adjusted in the field for exact depth without disassembly. It is mounted on top of the gate valve with flange for support.

Material of construction: Cast Iron

Code No.	Gate Valve Size
HYD090-DI-100-RD	4" (100mm)
HYD090-DI-150-RD	6" (150mm)
HYD090-DI-200-RD	8" (200mm)
HYD090-DI-250-RD	10" (250mm)
HYD090-DI-300-RD	12" (300mm)

## HYDRANT EQUIPMENT



### UNDERGROUND HYDRANT BS 750

SPECIFICATION	
Body	Grey Cast Iron to BS 1561 or (Ductile iron) BS 2789
Outlet	Copper Alloy to BS 1982 Round thread or V thread
Inlet	Universal Flange PN16 & Table E
Test pressure	24 Bar (350 psi)
Working pressure	16 Bar (232 psi)
Colour	Black or Blue
Code No	HYD058-CI-080-BK



### DUCK FOOT BEND

SPECIFICATION	
Body	Grey Cast Iron to BS 1452
Flanged Inlet & Outlet	4" BS 10 Table E Flange
Code No	HYD070-CI-100-BK HYD070-DI-100-BK



### CAST IRON HYDRANT CHAMBER

SPECIFICATION	
Material	Spheroidal Graphite Cast Iron (SG) BS 2789
Loading Capacity	5 tonnes
Opening dimension	445mm x 280mm
Bedding dimension	580mm x 415mm
Code No	HYD072-CI-STD-NA



### CONCRETE HYDRANT CHAMBER

SPECIFICATION	
Body	Concrete
Cover	Mild Steel
Opening dimension	445mm x 330mm
Bedding dimension	560mm x 495mm
Code No	HYD072-MS-STD-NA

## LAYFLAT FIRE HOSE



### SRI FIRE HOSE, TYPE 1

- Internal rubber lining combined with closely woven polyester fibre.
- Direct vulcanisation, high adhesion between jacket and lining.
- Standard length: 30m
- Available colour: Red or White
- Manufactured to BS 6391

#### WORKING PRESSURE 10 BAR (145 PSI)/BURST PRESSURE 30 BAR (435 PSI)

Code No.	Size	Colour
HYD075-10-065-WH	2 - 1/2" (65mm)	White
HYD075-10-065-1W	2 1/2" (65mm) C/W Coupling	White
HYD075-10-050-WH	2" (50mm)	White
HYD075-10-045-WH	1 - 3/4" (45mm)	White
HYD075-10-038-WH	1 - 1/2" (38mm)	White
HYD075-10-065-RD	2 - 1/2" (65mm)	Red
HYD075-10-050-RD	2" (50mm)	Red
HYD075-10-045-RD	1 - 3/4" (45mm)	Red
HYD075-10-038-RD	1 - 1/2" (38mm)	Red

#### WORKING PRESSURE 16 BAR (232 PSI)/BURST PRESSURE 48 BAR (696 PSI)

Code No.	Size	Colour
HYD075-16-065-WH	2 - 1/2" (65mm)	White
HYD075-16-050-WH	2" (50mm)	White
HYD075-16-045-WH	1 - 3/4" (45mm)	White
HYD075-16-038-WH	1 - 1/2" (38mm)	White
HYD075-16-065-RD	2 - 1/2" (65mm)	Red
HYD075-16-050-RD	2" (50mm)	Red
HYD075-16-045-RD	1 - 3/4" (45mm)	Red
HYD075-16-038-RD	1 - 1/2" (38mm)	Red

### CONNECTIONS FOR FIRE HOSE



STORZ

GOST

BS336

MACHINO

FRENCH

### SRI FIRE HOSE, TYPE 3

- External and internal rubber lining, with polyester fibre reinforcement.
- Resistance to oil, acids, alkaline and industrial chemicals.
- Resistance to heat, cold and ozone.
- Standard length: 30m
- Available colour: Red
- Manufactured to BS 6391

#### WORKING PRESSURE 16 BAR (232 PSI)/BURST PRESSURE 50 BAR (725 PSI)

Code No.	Size	Colour
HYD091-16-065-RD	2 - 1/2" (65mm)	Red
HYD091-16-045-RD	1 - 3/4" (45mm)	Red
HYD091-16-038-RD	1 - 1/2" (38mm)	Red

## MONITOR & NOZZLE



### HANDLE OPERATED MONITOR

- Suitable for flows up to 1000GPM
- 2-1/2" NHT male outlet
- 360 deg. Horizontal travel
- Vertical 135 deg (90 deg. above to 45 deg. below)
- Locking device for horizontal & vertical position
- Stainless steel handle for control horizontal and vertical position
- 3" stainless steel water way
- 4" ANSI inlet flange gun metal RF

Code No.	FOS007-SS-100-RD
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### DOUBLE WHEEL OPERATED MONITOR

- Suitable for flows up to 1000GPM
- 2-1/2" NHT male outlet
- 360 deg. Horizontal travel
- Vertical 150 deg (90 deg. above to 60 deg. below)
- Horizontal and vertical position controlled by double handwheel driven worm gear
- Material for body, gear, nozzle: Gun Metal
- Material for handle : Aluminium Alloy
- 4" ANSI inlet flange gun metal RF

Code No.	FOS045-GM-100-RD
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### OSCILLATING MONITOR

- Automatic horizontal oscillation when water pass through monitor
- Oscillation angle adjustable in 15 steps from 300 deg to 120 deg
- Oscillating speed adjustable from 2 to 10 per sec
- Manual movement 360 deg horizontal
- 4" ANSI inlet flange gun metal RF
- 3" stainless steel waterway
- Nozzle and flange in gun metal
- Oscillating mechanism: Aluminium
- Cover: Mild steel

Code No.	FOS043-GM-100-NA
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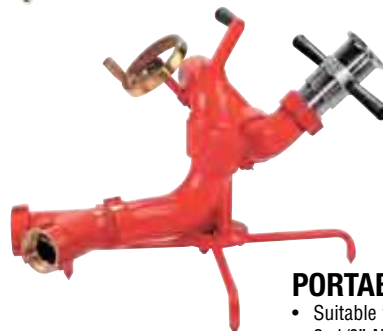
Code No.	FOS043-GM-100-RD
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### HANDLE OPERATED MONITOR

- Suitable for flows up to 1000GPM
- 2-1/2" NHT male outlet
- 360 deg. Horizontal travel
- Vertical 135 deg (90 deg. above to 45 deg. below)
- Locking device for horizontal & vertical position
- Stainless steel handle for control horizontal and vertical position
- Material construction Gun Metal
- 4" ANSI inlet flange gun metal RF

Code No.	FOS047-GM-100-RD
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### PORTABLE MONITOR

- Suitable for flows up to 1000GPM
- 2-1/2" NHT male outlet
- Inlet: Male instantaneous or female NHT
- Carrying handle
- Handwheel driven for vertical movement 70 deg above
- 360 deg horizontal movement with twist lock
- Inlet two 2-1/2" NHT female or with BS male instantaneous
- Material for body : Stainless steel and aluminium alloy
- Material for stand : Mild steel
- Material for nozzle : Gun metal
- Material for Inlet : Gun metal

Code No.	FOS044-GM-100-RD
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### MONITOR AIR ASPIRATING NOZZLE

- Inlet 2-1/2" NHT female for connection to monitor
- Flowrate up to 500GPM @ 7bar
- Stream pattern adjustable with lever from straight stream to fan type
- Throw range 45m @ 7bar
- Foam expansion ratio 7-10
- Available with foam inductor
- Material of construction aluminium alloy

Type	Code No.
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With Foam Inductor	FOS041-LA-100-RD
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Without Foam Inductor	FOS042-LA-100-RD
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## MONITOR NOZZLE



WITH FOAM INDUCTOR

- Material construction Gun Metal
- Straight stream and fog pattern
- Optional chrome finish
- Foam monitor nozzle with built in foam inductor, flexible hose and pick up tube, can be fitted to existing monitor and pick up tube place in a 200L foam drum for immediate AFFF application

Code No.	Type	Setting	Flowrate GPM at 6.8 Bar (100Psi)	Effective Reach Feet at 6.8 Bar (100Psi)
FOS002-GM-350-NA	350	SS	290	140
		30 deg. fog	350	90
FOS002-GM-500-NA	500	SS	405	130
		30 deg. fog	500	50
FOS002-GM-1000-NA	1000	SS	780	260
		30 deg. fog	1000	135
FOS015-GM-500-NA	500 With Foam Inductor	SS	475	162
		30 deg. fog		80

## BRANCHPIPE NOZZLES



### JET NOZZLE COMPLETE WITH BRANCHPIPE

Code No.	Material	Finishing	Inlet Size	Flowrate @ 65Psi (4.4 Bar)	Throwrange @ 65Psi (4.4 Bar)
WRS077-LA-STD-NA	Aluminium Alloy	Natural	Male	210L/min (12mm dia.)	16m (12mm dia.)
WRS077-GM-STD-NA	to BS 1490 Copper Alloy to BS 1982		Instantaneous BS 336	510L/min (19mm dia.)	22m (19mm dia.)

This nozzle is available with two orifice sizes, 12mm and 19mm.  
Application: Hydrant system, wet or dry riser system



### DIFFUSER NOZZLE 500 (JET/SPRAY)

Code No.	Type	Material	Finishing	Inlet Size	Flowrate @ 65Psi (4.4 Bar)	Throwrange @ 65Psi (4.4 Bar)
WRS099-LA-STD-NA	Standard	Aluminium Alloy to BS 1490	Natural	Male Instantaneous BS 336	500L/min (JET) 590L/min (SPRAY)	26m (JET) 15m (SPRAY)
WRS101-LA-STD-NA	With branchpipe					
WRS099-GM-STD-NA	Standard	Copper Alloy to BS 1982	Natural	Storz DIN 52C	500L/min (JET) 590L/min (SPRAY)	26m (JET) 15m (SPRAY)
WRS101-GM-STD-NA	With branchpipe					
WRS106-GM-52C-NA	Storz inlet					



### DIFFUSER NOZZLE 800 (JET/SPRAY)

Code No.	Type	Material	Finishing	Inlet Size	Flowrate @ 65Psi (4.4 Bar)	Throwrange @ 65Psi (4.4 Bar)
WRS100-LA-065-NA	Standard	Aluminium Alloy to BS 1490	Natural	Male Instantaneous BS 336	800L/min (JET) 880L/min (SPRAY)	35m (JET) 28m (SPRAY)
WRS102-LA-065-NA	With branchpipe					
WRS100-LA-065-HL	With pistol grip	Copper Alloy to BS 1982	Natural	Male Instantaneous BS 336	800L/min (JET) 880L/min (SPRAY)	35m (JET) 28m (SPRAY)
WRS100-GM-065-NA	Standard					
WRS102-GM-065-NA	With branchpipe					
WRS100-GM-065-HL	With pistol grip					



### JET/SPRAY NOZZLE WITH CONTROL VALVE

Code No.	Material	Finishing	Inlet Size	Flowrate @ 65Psi (4.4 Bar)	Throwrange @ 65Psi (4.4 Bar)
WRS078-LA-065-NA	Aluminium Alloy to BS 1490	Natural	Male BS Instantaneous	160L/min (JET)	14m (JET & SPRAY)
WRS078-LA-52C-NA			Storz DIN 52C	140L/min (SPRAY)	
WRS097-LA-050-NA			Male BS Instantaneous		

## BRANCHPIPE NOZZLES



### 1 - 1/2" JET/SPRAY NOZZLE

Code No.	Type	Material	Finishing	Inlet Size	Flowrate @ 65Psi (4.4 Bar)	Throwrange @ 65Psi (4.4 Bar)
WRS103-LA-038-NA	Standard	Aluminium Alloy to BS 1490	Natural	1-1/2" NST Female thread	200L/min (JET)	14m (JET)
WRS105-LA-038-NA	With pistol grip			280L/min (SPRAY)	8m (SPRAY)	
WRS103-GM-038-NA	Standard	Copper Alloy to BS 1982		1-1/2" NST Female thread	310L/min (JET)	17m (JET)
					400L/min (SPRAY)	10m (SPRAY)

FOS011-LA-STD-NA



### WATER/FOAM PISTOL GRIP NOZZLE (JET/FOG)

This nozzle provides a combination fog and straight stream flow. Flowrate and flow pattern can be change without closing the nozzle. It is available in heavy duty bronze construction and also light weight aluminium alloy construction. Flowrate can be adjusted from 150LPM to 460LPM. Nozzle can be easily open and close with the quick quarter turn handle.

This nozzle provides excellent discharge in the application of AFFF and non-protein foam.

Optional aeration foam tube (FOS011-LA-STD-NA) is available to fit on the end of the nozzle to enhance expansion of foam solution and also deliver a longer and heavier foam blanket (expansion rate 8 to 1). It is easily attach and secure to the nozzle.

Code No.	Material	Finishing	Inlet Size	Flowrate @ 65Psi (4.4 Bar)	Throwrange @ 65Psi (4.4 Bar)
FOS005-LA-038-BK	Aluminium Alloy	Black	2 1/2" Male BS336	150-220-350-460 LPM	22m (JET)
FOS005-GM-038-BK	Copper Alloy	Natural	2 1/2" Male BS336	40-60-95-125 GPM	14m (SPRAY)
FOS005-LA-38BGDV	Aluminium Alloy	Black	Bogdanov/GOST	150-220-350-460 LPM	

### HANDLINE NOZZLE AUTO WATER/FOAM LA 2"

This nozzle provides a combination fog and straight stream flow. Flowrate and flow pattern can be adjusted without closing the nozzle. Flowrate can be adjusted from 340LPM to 530LPM. Nozzle can be easily open and close with the quick turn handle.

This nozzle provides excellent discharge in the application of AFFF and non-protein foam.

Code No.	Material	Finishing	Inlet Size	Flow rate @ 6 Bar
FOS005-LA-050-BK	Aluminium Alloy	Natural	2" & 2 1/2 Male BSP	90-119-140-FLUSH GPM
			2 1/2" Male BS336	340-450-530-FLUSH LPM

Setting	Flow rate @ 6 Bar			Throwrange @ 6 Bar
	JET	1/2 Spray	Full Spray	Jet
90G / 340L	368 LPM	372 LPM	372 LPM	30 m
119G / 450L	464 LPM	482 LPM	494 LPM	25 m
140G / 530L	520 LPM	560 LPM	568 LPM	25 m
FLUSH	564 LPM	620 LPM	620 LPM	15 m

## ADAPTORS AND CAPS

### BS FEMALE INSTANTANEOUS X FEMALE SCREW THREAD ADAPTOR



Code No.	Nominal Size	Material
HYD068-LA-50BSPT	2" BSPT	Aluminium Alloy
HYD068-GM-50BSPT		Copper Alloy
HYD068-LA-65BSPT	2-1/2" BSPT	Aluminium Alloy
HYD068-GM-65BSPT		Copper Alloy
HYD068-LA-65NPT	2-1/2" NPT	Aluminium Alloy
HYD068-GM-65NPT		Copper Alloy
HYD068-LA-5TPI75	75mm x 5TPI	Aluminium Alloy
HYD068-GM-5TPI75		Copper Alloy

### BS FEMALE INSTANTANEOUS X MALE SCREW THREAD ADAPTOR



Code No.	Nominal Size	Material
MIS010-LA-50BSPT	2" BSPT	Aluminium Alloy
MIS010-GM-50BSPT		Copper Alloy
MIS010-LA-65BSPT	2-1/2" BSPT	Aluminium Alloy
MIS010-GM-65BSPT		Copper Alloy
MIS010-LA-65NPT	2-1/2" NPT	Aluminium Alloy
MIS010-GM-65NPT		Copper Alloy
MIS010-LA-5TPI75	75mm x 5TPI	Aluminium Alloy
MIS010-GM-5TPI75		Copper Alloy

### BS MALE INSTANTANEOUS X FEMALE SCREW THREAD ADAPTOR



Code No.	Nominal Size	Material
MIS017-LA-5TPI75	Male BS 336 x female 75mm x 5TPI	Aluminium Alloy
MIS017-GM-5TPI75		Copper Alloy
MIS017-LA-65NPT	Male BS 336 x female 2-1/2"NPT	Aluminium Alloy
MIS017-GM-65NPT		Copper Alloy
MIS017-LA-65BSPT	Male BS 336 x female 2-1/2"BSPT	Aluminium Alloy
MIS017-GM-65BSPT		Copper Alloy

### BS MALE INSTANTANEOUS X MALE SCREW THREAD ADAPTOR



Code No.	Nominal Size	Material
MIS116-LA-5TPI75	Male BS 336 x	Aluminium Alloy
MIS116-GM-5TPI75	Male 75mm x 5TPI	Copper Alloy
MIS116-LA-65NHT	Male BS 336 x	Aluminium Alloy
MIS116-GM-65NHT	Male 2-1/2"NHT	Copper Alloy
MIS116-LA-65BSPT	Male BS 336 x	Aluminium Alloy
MIS116-GM-65BSPT	Male 2-1/2"BSPT	Copper Alloy
MIS116-LA-50BSPT	Male BS 336 x	Aluminium Alloy
MIS116-GM-50BSPT	Male 2"BSPT	Copper Alloy

### DOUBLE BS FEMALE INSTANTANEOUS ADAPTOR



Code No.	Material
HYD083-LA-065-NA	Aluminium Alloy to BS 1490
HYD083-GM-065-NA	Copper Alloy to BS 1982

### DOUBLE BS MALE INSTANTANEOUS ADAPTOR



Code No.	Material
MIS008-LA-065-NA	Aluminium Alloy
MIS008-GM-065-NA	Copper Alloy

### 100MM MALE SCREW THREAD X BS FEMALE INSTANTANEOUS ADAPTOR



Code No.	Material
MIS221-LA-100-NA	Aluminium Alloy
MIS221-GM-100-NA	Copper Alloy

### Ø 100MM FEMALE SCREW THREAD X BS MALE INSTANTANEOUS



Code No.	Material
MIS222-LA-100-NA	Aluminium Alloy
MIS222-GM-100-NA	Copper Alloy

### BS INSTANTANEOUS MALE BLANK CAP



Code No.	Material
MIS001-LA-065-NA	Aluminium Alloy
MIS001-GM-065-NA	Copper Alloy
HYC087-PS-BK	Plastic

### BS INSTANTANEOUS FEMALE BLANK CAP



Code No.	Material
MIS002-LA-065-NA	Aluminium Alloy
MIS002-GM-065-NA	Copper Alloy

### 100MM FEMALE SCREW THREAD BLANK CAP



Code No.	Material
MIS003-LA-100-NA	Aluminium Alloy
MIS003-GM-100-NA	Copper Alloy

### 65MM INSTANTANEOUS MALE PRESSURE TEST CAP C/W GAUGE



Code No.	Material
MIS013-LA-065-NA	Aluminium Alloy
MIS013-GM-065-NA	Copper Alloy

Note: When ordering adaptor, type of thread (NPT, NST or BSP) and diameter (1-1/2", 2", 2-1/2") must be specified.

The products specified in this brochure are subjected to continuous development and improvement and are subject to alterations without prior notice. All dimensions are in mm unless otherwise specified.



## ADAPTORS AND CAPS

### STORZ ADAPTOR AND CAP



Code No.	Description	Dimension A (mm)	Material
MIS009-LA-F50C52	Storz C 52 x 2" BSP female	66	Aluminium Alloy
MIS009-GM-F50C52	Storz C 52 x 2" BSP female	66	Copper Alloy
MIS009-LA-F65NEN	Storz NEN 3374 x 2-1/2" BSP female	81	Aluminium Alloy
MIS009-GM-F65NEN	Storz NEN 3374 x 2-1/2" BSP female	81	Copper Alloy
MIS009-LA-F65B75	Storz B 75 x 2-1/2" BSP female	89	Aluminium Alloy
MIS009-GM-F65B75	Storz B 75 x 2-1/2" BSP female	89	Copper Alloy
HYC626-LA-C52-NA	Storz C 52 Blank Cap	66	Aluminium Alloy



### FRENCH CONNECTION ADAPTOR AND CAP (DSP)

Code No.	Description	Dimension A (mm)	Material
MIS072-LA-038DSP	DSP Adaptor x 38mm BSP	55	Aluminium Alloy
MIS073-LA-038DSP	DSP Cap	55	Aluminium Alloy

## DELIVERY HOSE COUPLING



### CAMLOCK COUPLING

Code No.	Nominal Size	Material
WRS053-GM-038-NA	1-1/2" (38mm)	Brass
WRS053-GM-065-NA	2 1/2" (65mm)	Brass



### MACHINO COUPLING

Code No.	Nominal Size	Material
MIS051-LA-038-NA	1-1/2" (38mm)	Aluminium Alloy
MIS051-GM-065-NA	2 1/2" (65mm)	Copper Alloy



### INSTANTANEOUS COUPLING

Code No.	Nominal Size	Material
WRS074-GM-038-NA	1-1/2" (38mm)	Copper Alloy
WRS074-LA-038-NA	1-1/2" (38mm)	Aluminium Alloy



### BS336 COUPLING

Code No.	Nominal Size	Material
WRS079-LA-038-NA	1-1/2" (38mm)	Aluminium Alloy
WRS079-LA-045-NA	1-3/4" (45mm)	Aluminium Alloy
WRS079-LA-050-NA	2" (50mm)	Aluminium Alloy
WRS079-LA-065-NA	2-1/2" (65mm)	Aluminium Alloy
WRS079-GM-038-NA	1-1/2" (38mm)	Copper Alloy
WRS079-GM-045-NA	1-3/4" (45mm)	Copper Alloy
WRS079-GM-050-NA	2" (50mm)	Copper Alloy
WRS079-GM-065-NA	2-1/2" (65mm)	Copper Alloy



### FRENCH GUILLEMIN COUPLING

Code No.	Nominal Size	Material
MIS057-LA-065-NA	2-1/2" (65mm)	Aluminium Alloy



### RUSSIAN GOST COUPLING

Code No.	Nominal Size	Material
MIS056-LA-065-NA	2-1/2" (65mm)	Aluminium Alloy
MIS056-GM-065-NA	2-1/2" (65mm)	Copper Alloy

### STORZ COUPLING

Code No.	Description	Material
MIS037-LA-050C52	Storz C 52, 2" hose	Aluminium Alloy
MIS037-GM-050C52	Storz C 52, 2" hose	Copper Alloy
MIS037-LA-038C52	Storz C 52, 1-1/2" hose	Aluminium Alloy
MIS037-GM-038C52	Storz C 52, 1-1/2" hose	Copper Alloy
MIS037-LA-065NEN	Storz NEN 3374 2-1/2" hose	Aluminium Alloy
MIS037-GM-065NEN	Storz NEN 3374 2-1/2" hose	Copper Alloy
MIS037-LA-065B75	Storz B 75, 2-1/2" hose	Aluminium Alloy
MIS037-GM-065B75	Storz B 75, 2-1/2" hose	Copper Alloy



### AMERICAN COUPLING

Code No.	Nominal Size	Material
WRS083-GM-038-AS	1-1/2" (38mm)	Copper Alloy
WRS083-GM-NST-AS	2-1/2" (65mm)	Copper Alloy



## MISCELLANEOUS



### HOSE BINDING MACHINE

Material : Body - Aluminium Alloy or Cast Iron Jaw chuck - Copper Alloy  
Capacity : Up to ø100mm hose  
Process time : Approximately 20mins per length of hose

Code No	MIS229-MS-STD-NA
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### METAL SUCTION STRAINER

Code No.	Material
MIS215-GM-100-NA	Copper Alloy
MIS215-LA-100-NA	Aluminium Alloy

Connection : ø100mm round thread



### L.A HAND OPERATED ALARM BELL SPECIFICATION

Material : Aluminium Alloy  
Sound Level at 1m : 105 dB

Code No	MIS212-LA-STD-RD
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### BASKET SUCTION STRAINER

Code No.	Material
MIS214-XX-100-NA	Cane
MIS214-PS-100-NA	Plastic



### APPLICATOR SPECIFICATION

Diameter : 25.0mm I/D  
Protector : Rubber  
Material of nozzle : Aluminium Alloy  
Outlet pattern : Spray  
Length adjustable from : 1800-3060mm

Code No	FEX158-LA-025-BK
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### SUCTION HOSE COUPLING

Code No.	Material
MIS217-LA-100-NA	Aluminium Alloy
MIS217-GM-100-NA	Copper Alloy

Hose connection : ø100mm ribbed tail to BS 336



### FIRE BLANKET

Material of blanket : Woven Fibre Glass  
Other sizes available upon request  
Application : Kitchen

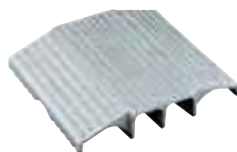
Code No.	Material
MIS254-FG-STD-RD	Blanket c/w PVC pouch 4ft x 4ft red
MIS255-FG-STD-RD	Blanket c/w PVC rigid cont 4ft x 4ft red
MIS255-FG-6X6-RD	Blanket c/w PVC rigid cont 6ft x 6ft red



### SUCTION HOSE COUPLING WRENCH

Material : Galvanised mild steel

Code No	MIS213-MS-100-BK
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### HOSE BRIDGE

Material : Aluminium Alloy  
Capacity : Up to 65mm hose

Code No	MIS245-LA-065-NA
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### SUCTION HOSE

Material : PVC with nylon reinforcement  
Length(std) : 2.4m (standard)  
Optional length available upon request  
Diameter : ø100mm

Code No	MIS269-PS-100-NA
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### CURTAIN NOZZLE

Material : Copper Alloy  
Finishing : Natural  
Inlet : Male BSP

Code No	MIS256-GM-065-NA
	MIS256-LA-065-RD



### DUCT HOUSING

Material : Aluminium Alloy

Code No	FAS199-LA-STD-RD
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### COUPLING OPENER

Material : M.S Galvanised  
Finishing : Chrome

Code No	MIS048-MS-100-CH
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### SUCTION HOSE STAND

Material : M.S Galvanised Adjustable height  
Finishing : Red

Code No	MIS268-MS-STD-RD
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## FOAM STATION CABINET



This hose reel station is complete with 1-1/2" x 30M rigid hose, 225L AFFF foam, stainless steel foam concentrate storage tank, 95GPM foam inductor and nozzle. A bypass loop is provided for water or foam discharge.

### STANDARD FEATURES

- Inlet connection : 1-1/2" ANSI 125 RF flange
- Hose reel construction : Aluminium or Hot Dip Galvanised Mild Steel
- Tank Construction : Stainless Steel
- Cabinet Construction : Mild steel or Stainless Steel (upon request)
- Water/foam pistol grip nozzle
- Non-ferrous piping and fittings
- 225L AFFF foam and concentrate
- 1-1/2" control valve
- Stainless steel pickup tube
- Ø200mm opening hole for foam concentrate filling
- Adjustable foam concentrate 3% to 6%

### APPLICATION:

Protection of oil storage installation loading stations, paint and solvent stores.

Code No	FOS089-MS-STD-RD
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### STANDARD FEATURES

- 2 nos (2-1/2") 65mm x 30m fire hose (Type 1) with Aluminium Alloy BS coupling.
- 140 L AFFF foam in fibre glass tank.
- 2" Gate valve
- Low expansion foam branchpipe 225LPM
- Stainless steel pickup tube
- Ø200mm opening hole for foam concentrate filling
- 225LPM foam inductor adjustable 3% to 6% foam concentrate
- Inlet connection: 2" BSP Male thread

### TECHNICAL SPECIFICATION

- Dimension : 1500.0mm x 1100.0mm x 500.0mm
- Material : Mild steel for cabinet
- Thickness : 1.5mm
- Installation : Floor Mounted
- Capacity : 140 litre foam with Inductor with 2 - 1/2" x 30m hose Type 1 (2 lengths) and Foam branchpipe
- Paint Finish : Epoxy Powder Red

Code No	FOS087-MS-STD-RD
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## FOAM BRANCHPIPE AND FOAM INDUCTOR



### FOAM INDUCTOR

- Foam concentrate is drawn through a pick up tube at a preset foam concentrate amount and is added into the water stream.
- Available with two flowrates
- Body material: Aluminium Alloy and Gun Metal
- Filters: Stainless Steel
- Foam concentrate rate adjustable foam 1% to 6%. Flexible foam concentrate suction hose.
- Inlet and outlet connection BS 336 Instantaneous

Code No.	Flowrate @ 101 Psi (7 Bar)
FOS004-LA-225-YW	225 LPM
FOS004-LA-450-YW	450 LPM
FOS004-GM-225-YW	225 LPM
FOS004-GM-450-YW	450 LPM

### MEDIUM EXPANSION FOAM BRANCHPIPE

- Material: Stainless Steel
- Suitable for AFFF, protein and EP foam
- Available with two flowrates
- Expansion ratio: 50
- Inlet: BS 336 Instantaneous male

Code No.	Flowrate @ 101 Psi (7 Bar)	Throw Range @ 101 Psi (7 Bar)
FOS010-SS-225-NA	225 LPM @ (7 Bar)	3 to 8m
FOS010-SS-450-NA	450 LPM @ (7 Bar)	4 to 11m

### LOW EXPANSION FOAM BRANCHPIPE

- Material: Aluminium Alloy
- Suitable for AFFF, protein and AR foam
- Available with two flowrates
- Expansion ratio: 7-8
- Inlet: BS 336 Instantaneous male
- Foam branchpipe is available with integral foam inductor and pick up tube

Code No.	Flowrate @ 101 Psi (7 Bar)	Throw Range
FOS003-LA-225-YW	225 LPM	18 to 22m
FOS003-LA-450-YW	450 LPM	20 to 25m
FOS003-LA-900-YW	900 LPM	30 to 40m
<b>With Integral Foam Inductor</b>		
FOS008-LA-225-YW	225 LPM	18 to 22m
FOS008-LA-450-YW	450 LPM	20 to 25m
FOS008-LA-900-YW	900 LPM	30 to 40m

## FOAM LINE PROPORTIONER



- Water flowing through foam line proportioner creates a vacuum which draw foam concentrate into the unit to mix with the flowing water.
- Suitable for fixed foam system
- Low cost foam proportioning system
- Connect foam suction inlet to foam storage tank
- Material: Gun Metal
- Inlet 2-1/2" BSP, Outlet 2-1/2" BSP
- Suitable for foam spray system and foam hydrant station
- Available with 3% or 6% foam concentration proportioning

Code No.	Flowrate @ 101 Psi (7 Bar)
FOS040-GM-380-RD	380 LPM
FOS040-GM-570-RD	570 LPM
FOS040-GM-760-RD	760 LPM
FOS040-GM-950-RD	950 LPM
FOS040-GM-1140-RD	1140 LPM
FOS040-GM-1893-RD	1893 LPM

## STANDPIPE AND HYDRANT KEY & BAR



### DOUBLE OUTLET STANDPIPE

#### SPECIFICATION

Standpipe shaft : Aluminium alloy to BS 1474  
 Standpipe base & Head : Aluminium Alloy to BS 1490  
 : Copper Alloy to BS 1982  
 Material : Aluminium Alloy or Copper Alloy

Code No	HYD064-LA-065-NA
	HYD064-GM-065-NA
	HYD064-GM-015-BK*

\*Anodised



### SINGLE OUTLET STANDPIPE

#### SPECIFICATION

Standpipe shaft : Aluminium alloy to BS 1474  
 Standpipe base & Head : Aluminium Alloy to BS 1490  
 : Copper Alloy to BS 1982

HYD063-LA-065-NA is complete with Double check valve to prevent back flow

Code No	HYD062-LA-065-NA
	HYD062-GM-065-NA



### EUROPEAN STANDPIPE

#### SPECIFICATION

Standpipe shaft : Aluminium alloy to BS 1474  
 Standpipe base & Head : Aluminium Alloy to BS 1490  
 : Copper Alloy to BS 1982

Code No	HYD062-LA-050-EN
	HYD062-LA-065-EN
	HYD064-LA-050-EN



### HYDRANT KEY & BAR

#### SPECIFICATION

Length for hydrant bar can be made to order.

- Key and bar : Aluminium alloy to BS 1490
- Key : Grey Cast Iron
- Shaft tube : Mild Steel
- Bar : Steel
- Material : Aluminium Alloy or Grey Cast Iron

Code No	HYD066-LA-030-NA
	HYD066-CI-HG3-BK
	HYD066-CI-HG6-BK

## DIVIDING & COLLECTING BREECHING



### CONTROLLED DIVIDING BREECHING

Material: Aluminium Alloy or Copper Alloy

Code No	MIS224-LA-065-NA
	MIS224-GM-065-NA
	MIS227-LA-065-NA
	MIS227-GM-065-NA

Note: Inlet and Outlet connection to BS 336 Instantaneous



### EUROPEAN DIVIDING BREECHING

Material: Aluminium Alloy

Code No	MIS 231-LA-065-EN
	MIS232-LA-065-EN



### 2 WAY COLLECTING INLET

Material: Aluminium Alloy or Copper Alloy

Code No	MIS014-LA-100-NA
	MIS014-GM-100-NA

Note: Inlet connection to BS 336 Instantaneous  
Outlet connection 4" Female Round Thread



### COLLECTING BREECHING

Material: Aluminium Alloy or Copper Alloy

Code No	MIS225-LA-065-NA
	MIS225-GM-065-NA

Note: Inlet and Outlet connection to BS 336 Instantaneous



### DIVIDING BREECHING

Material: Aluminium Alloy or Copper Alloy

Code No	MIS223-LA-065-NA
	MIS223-GM-065-NA

Note: Inlet and Outlet connection to BS 336 Instantaneous



### FIRE DEPARTMENT CONNECTION

Material: Copper Alloy or Brass

Code No	MIS271-GM-100-NA
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## PORTABLE DRY POWDER FIRE EXTINGUISHER MS1539



Propellant	STORED PRESSURED TYPE ( NITROGEN )				
Code No.	FEX132-MS-010-RD	FEX132-MS-020-RD	FEX132-MS-040-RD	FEX132-MS-060-RD	FEX132-MS-090-RD
Capacity, Kg	1.0	2.0	4.0	6.0	9.0
Working Pressure, Bar (Psi)	12 (174)	14 (203)			
Test pressure, Bar (Psi)	25 (362.5)				
Discharge time, sec	6-10	8-12	12-16	21-25	25-35
Overall height, mm	340.0	400.0	475.0		560.0
Cylinder diameter, mm	84.5	109.5	157.0		176.0
Overall weight, Kg	1.8	3.3	7.8	9.3	12.7
Body material	Cold Roll Steel				
Standard	Manufactured and approved to MS1539 Part 1				
Paint finish	Red				
Fire Rating	5A 21B	13A 55B	13A 70B	27A 144B	27A 144B
Carton box size, mm	110x125x345	130165x415	185x205x490		205x205x570
Type of extinguishant	ABC Powder				
Type of fire	A, B, C, E				

## PORTABLE CARBON DIOXIDE FIRE EXTINGUISHER MS1539



Selection and installation should be according to MS1539 Part 3.

Inspection and maintenance should be carried out according to MS1539 Part 4.

Body	FEX139-CS-020-RD	FEX139-CS-050-RD
Material	Carbon Steel	
Capacity, kg	2.0	5.0
Working pressure, Bar	70 Bar at 27°C	
Overall height, mm	530	770
Overall diameter, mm	113	140
Cylinder test pressure, Bar	250	
Discharge time, sec	8-12	9-12
Standard	Manufactured and approved to MS1539 Part 1	
Full weight, Kg	7.7	17.5
Paint finish	Red	
Fire Rating	21B	55B
Temperature range	-20°C to 60°C	
Discharge range	3 meter	
Carton size	180x195x665	230x230x715
Operating head	Brass	
Type of extinguishant	Carbon Dioxide	
Class of Fire	B,E	

## D FIRE EXTINGUISHER



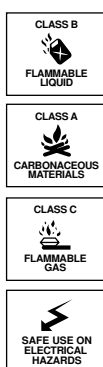
Magnesium, potassium, sodium titanium, alkyllithiums, Grignards, and diethylzinc are extremely combustible and must be used with caution and appropriate safety measures. These chemicals react violently with water, air and other chemicals and cause class D fires which burn at high temperatures. At such, typical fire extinguishers are not sufficient for this type of fire.

D Fire Extinguishers contain sodium chloride or graphite metal-based powder. When discharge on a fire, the heat causes the powder to cake and form a crust which excludes air and dissipates the heat.

### TECHNICAL SPECIFICATION

<b>Capacity</b>	12kg
<b>Operating Temperature</b>	-20°C to 60°C
<b>Operating Pressure</b>	14 Bar
<b>Height</b>	605mm
<b>Full Weight</b>	19kg
<b>Test Pressure</b>	25 Bar
<b>Code No.</b>	<b>FEX115-MS-120-DF</b>

## POWDER TYPE FIRE EXTINGUISHER WITH EXTERNAL GAS CARTRIDGE



### TECHNICAL SPECIFICATION

<b>Capacity</b>	12kg
<b>Operating Temperature</b>	-30°C to 60°C
<b>Operating Pressure</b>	14 Bar
<b>Height</b>	635mm
<b>Full Weight</b>	21kg
<b>Test Pressure</b>	25 Bar
<b>Discharge Time (S)</b>	15 secs
<b>Range of Throw (approx)</b>	6 - 7 M
<b>Cartridge Capacity</b>	CO2 350g
<b>Code No.</b>	<b>FEX120-MS-120-ET</b>

## CLAMPING UNIT



<b>Code No</b>	<b>FEX190-MS-SV</b>
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This manual clamping machine is adjustable for all sizes of fire extinguisher. Fire extinguisher can be secure firmly when opening or tightening valve on the cylinder.

## AUTOMATIC POWDER FIRE EXTINGUISHER



Application area	: Storage of flammable liquid
Actuation temperature	: 68°C
Working pressure	: 14 bar
Installation	: Mounting at ceiling height
Test pressure	: 25 bar
Material	: Cold roll steel
Type of agent	: Ammonium Phosphate ABC

Code No.	Size	Diameter (mm)	Height (mm)
<b>FEX215-MS-060-RD</b>	6kg	300	300
<b>FEX215-MS-120-RD</b>	12kg	340	360



## CARBON DIOXIDE FIRE EXTINGUISHER ON TROLLEY



Carbon dioxide fire extinguisher on trolley is made of seamless Manganese steel to withstand high storage pressure. It is effective on class B and class C fires and electrically non conductive.

Carbon dioxide fire extinguisher is used throughout the industry as a protection against industrial fires involving dangerous chemical and gas. Carbon dioxide does not deteriorate with storage or freeze in the container. Carbon dioxide disperses without leaving any contamination or corrosive residue and will not damage valuable equipment and materials.

	FEX079-CS-450-RD	FEX079-CS-320-RD
Capacity, Kg	45	32
Working pressure, Bar	70	70
Cylinder test pressure, Bar	250	250
Approx. time of discharge, sec	75	60
Discharge hose (diameter/length)	1/2"Ø x 6m	1/2"Ø x 6m
Overall height, mm	1600	1420
Overall width, mm	2000	2000
Overall depth, mm	1170	1170
Full weight, Kg (lb)	150 (330)	112 (246)
Material of cylinder	Manganese Steel BS 5045 Part 1	
Paint Finish	Grey or Red	
Class of Fire	B, E	



	FEX080-CS-100-RD*	FEX080-CS-200-RD*	FEX163-CS-150-DD
Capacity, Kg	10	20	15 X 2 PCS
Working pressure, Bar	70	70	70
Cylinder test pressure, Bar	250	250	250
Discharge hose (diameter/length)	1/2"Ø x 6m	1/2"Ø x 6m	1/2"Ø x 6m
Overall height, mm (approx.)	-	-	± 1050
Overall width, mm (approx.)	-	-	± 490
Overall depth, mm (approx.)	-	-	± 360
Material of cylinder	Chromium Molybdenum		Manganese Steel
Paint Finish	Red		
Class of Fire	B, E		

Optional: Other sizes of CO2 cylinder available upon request.

PRESSURE EQUIPMENT DIRECTIVE  
APPROVED FIRE EXTINGUISHERS



MARINE EQUIPMENT DIRECTIVE  
APPROVED FIRE EXTINGUISHERS



BRITISH STANDARDS INSTITUTION



\*Pending certification design and size may vary

# Powder Fire Extinguisher On Trolley EN 1866

PRESSURE EQUIPMENT DIRECTIVE  
APPROVED FIRE EXTINGUISHERS



0029

MARINE EQUIPMENT DIRECTIVE  
APPROVED FIRE EXTINGUISHERS



0029

BRITISH STANDARDS INSTITUTION



PENDING



- SRIABC dry chemical powder fire extinguisher on trolley is effective for use on class A, B & C fire and it is ideal for multi-risk fire.
- Trolley unit can be operated by one person and suitable for areas with high risk fire such as industrial facilities.

CODE NO.	STORE PRESSURE TYPE		CARTRIDGE TYPE	
	FEX220-MS-250-EN	FEX221-MS-500-EN	FEX225-MS-250-EN	FEX222-MS-500-EN
CAPACITY	25kg	50kg	25kg	50kg
PROPELLANT	Nitrogen	Nitrogen	0.28kg Nitrogen Cartridge	0.86kg Nitrogen Cartridge
FIRE RATING	A II B C	A II B C	A II B C	A II B C
OPERATING TEMPERATURE	-30°C to 60°C	-30°C to 60°C	-30°C to 60°C	-30°C to 60°C
OPERATING PRESSURE	14bar	14bar	14bar	14bar
TEST PRESSURE	25bar	25bar	25bar	25bar
APPROX. FULL WEIGHT	55kg	95kg	60kg	106kg
APPROX. SIZE (WxLxH mm)	460x550x940	560x700x1020	460x550x940	560x750x1026
APPROX. DISCHARGE TIME	18-25 secs	33-40 secs	16-24 secs	43-57 secs
APPROX. THROW RANGE	10m	10m	10m	10m

Optional: Other capacity are available upon request.

# Foam Fire Extinguisher On Trolley EN 1866

PRESSURE EQUIPMENT DIRECTIVE  
APPROVED FIRE EXTINGUISHERS



0029

MARINE EQUIPMENT DIRECTIVE  
APPROVED FIRE EXTINGUISHERS



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BRITISH STANDARDS INSTITUTION



PENDING



- AFFF foam is suitable for class A and B fire and highly effective for flammable liquid fire.
- Trolley unit can be operated by one person and suitable for areas with high risk fire such as industrial facilities.

	STORE PRESSURE TYPE	
CODE NO.	FEX303-SS-450-EN	FEX304-SS-135-EN
CAPACITY	45L	135L
PROPELLANT	Nitrogen	Nitrogen
FIRE RATING	A IV B C	A IV B C
OPERATING TEMPERATURE	+5°C to 60°C	+5°C to 60°C
OPERATING PRESSURE	14bar	14bar
TEST PRESSURE	25bar	25bar
APPROX. FULL WEIGHT	90kg	205kg
APPROX. SIZE (WxLxH mm)	560 x 700 x 1020	650 x 830 x 1570
APPROX. DISCHARGE TIME	165-185 secs	16-17 mins
APPROX. THROW RANGE	12m	12m

Optional: Other capacity are available upon request.



	CARTRIDGE TYPE	
CODE NO.	FEX305-SS-450-EN	FEX306-SS-135-EN
CAPACITY	45L	135L
PROPELLANT	0.6kg CO2 Cartridge	0.6kg CO2 Cartridge
FIRE RATING	A IV B C	A IV B C
OPERATING TEMPERATURE	+5°C to 60°C	+5°C to 60°C
TEST PRESSURE	25bar	25bar
APPROX. FULL WEIGHT	90kg	210kg
APPROX. SIZE (WxLxH mm)	560 x 700 x 1020	650 x 900 x 1570
APPROX. DISCHARGE TIME	180-200 secs	14-15 mins
APPROX. THROW RANGE	12m	12m

Optional: Other capacity are available upon request.

## FOAM HOSE REEL STATION



This hose reel station is complete with 1-1/2" x 30M rigid hose, 120L AFFF foam, stainless steel foam concentrate storage tank, 95GPM foam inductor and nozzle. A bypass loop is provided for water or foam discharge.

### STANDARD FEATURES

Inlet connection : 1-1/2" ANSI 125 RF flange  
 Hose reel construction : Aluminium or Hot Dip Galvanised Mild Steel  
 Tank Construction : Stainless Steel

- Water/foam pistol grip nozzle
- Non-ferrous piping and fittings
- 120L AFFF foam and concentrate
- 1-1/2" control valve
- Stainless steel pickup tube
- Ø200mm opening hole for foam concentrate filling
- Adjustable foam concentrate 3% to 6%

### APPLICATION:

Protection of oil storage installation loading stations, paint and solvent stores.

Code No	FOS070-SS-STD-RD
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## MOBILE FOAM FIRE EXTINGUISHER ON TROLLEY



The foam liquid extinguisher on trolley is highly manoeuvrable and it is suitable for outbreaks of fire that cannot be dealt with by using portable extinguishers. It is effective on flammable liquid fire. This is a self-contained foam production unit which only requires connection to suitable water supply (minimum water supply required is 180 LPM at 5 bar).

### STANDARD FEATURES

- 2 x 15m 1-3/4" (45mm) fire hose with Aluminium BS Coupling
- 225 LPM Foam Inductor with pickup tube
- 225 LPM Low Expansion branchpipe
- Control valve (2" ball valve)
- 120L AFFF, foam concentrate and fibre glass tank on trolley

### APPLICATION:

Protection of oil storage installation loading stations, paint and solvent stores.

Code No		FEX161-FG-120-YW			
PERFORMANCE DATA FOR FEX161-FG-120-YW					
Input Pressure at Inductor	Total Water Flow	Foam Produced	Approximate running time (min.) Inductor setting		Foam Throw from Branchpipe
Bar	Litre/Min.	Litre/Min.	3%	6%	m
5	180	1800	22	11	14
6	197	1970	20	10	
7	213	2130	18	9	17
8	228	2280	17	8.5	
10	255	2550	16	8	20

## PORTABLE FOAM INDUCTOR



- Capacity : 20litre
- Inlet : 1" BSP Male

Code No	FOS095-PS-025-NA
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# EN3 Water & Foam Type Fire Extinguisher

PRESSURE EQUIPMENT DIRECTIVE  
APPROVED FIRE EXTINGUISHERS



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MARINE EQUIPMENT DIRECTIVE  
APPROVED FIRE EXTINGUISHERS

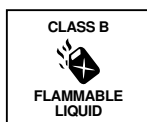
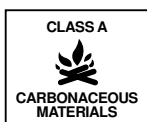


0029

BRITISH STANDARDS INSTITUTION



CERTIFIED TO BS EN3  
LICENCE NO. KM 57533



- EN3 approved.
- Foam type is suitable for Class A & B.
- Water type is suitable for Class A.
- Protective plastic lining.
- Colour coded for instant recognition.
- High quality and good value.

## TECHNICAL SPECIFICATION

EXTINGUISHER TYPE	6L FOAM	2L FOAM*	9L FOAM	9L WATER	9L FOAM	9L WATER
	STORE PRESSURE TYPE (NITROGEN PROPELLENT)			CO2 CARTRIDGE		
MODEL NO.	FEX102	FEX116	FEX103	FEX101	FEX112	FEX111
FIRE RATING	13A, 144B	5A, 34B	21A, 183B	13A	13A, 183B	13A
OPERATING TEMPERATURE	5°C to 60°C					
OPERATING PRESSURE	12 Bar					
TEST PRESSURE	25 Bar					
HEIGHT	555mm	400mm	625mm	625mm	630mm	630mm
FULL WEIGHT	9.2kg	4.0kg	13.5kg	13.5kg	14.2kg	14.2kg
DISCHARGE TIME	33-38 secs	10-14 secs	44-49 secs	61-65 secs	93-97 secs	88-92 secs
RANGE OF THROW (approx)	4 - 5 M	2 M	4 - 5 M	6 M	4 - 5 M	6 M
CARTON SIZE mm	190 x 210 x 565	125 x 160 x 430	200 x 200 x 646	200 x 200 x 645	200 x 200 x 645	200 x 200 x 645

\*Certification in progress

The products specified in this brochure are subjected to continuous development and improvement and are subject to alterations without prior notice. All dimensions are in mm unless otherwise specified.

# EN3 Powder Type Fire Extinguisher

PRESSURE EQUIPMENT DIRECTIVE  
APPROVED FIRE EXTINGUISHERS



0029

MARINE EQUIPMENT DIRECTIVE  
APPROVED FIRE EXTINGUISHERS



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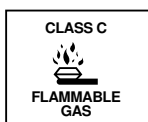
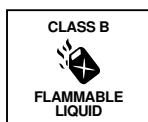
BRITISH STANDARDS INSTITUTION



CERTIFIED TO BS EN3  
LICENCE NO. KM 57533



- EN3 approved.
- Suitable for Class A, B, C & electrical hazards.
- Ideal for industrial, commercial and domestic environment.
- High quality and good value.
- Colour coded for instant recognition.
- All units tested by electronic leak detection.
- Operated effectively at both high and low temperature.



## TECHNICAL SPECIFICATION

EXTINGUISHER TYPE	1kg	2kg	4kg	6kg	9kg	6kg	9kg	12kg
	STORE PRESSURE TYPE (NITROGEN PROPELLENT)					CO2 CARTRIDGE		
MODEL NO.	FEX108	FEX104	FEX105	FEX106	FEX107	FEX109	FEX110	FEX115
FIRE RATING	8A, 34B	13A, 89B	21A, 113B	34A, 233B	34A, 233B	34A, 233B	43A, 233B	55A, 233B
OPERATING TEMPERATURE	-20°C to 60°C							
OPERATING PRESSURE	12 Bar	14 Bar						
HEIGHT	335mm	400mm	490mm	490mm	555mm	490mm	570mm	605mm
FULL WEIGHT	2.0kg	3.3kg	7.1kg	9.1kg	12.8kg	10.5kg	14.2kg	19.0kg
TEST PRESSURE	25 Bar							
DISCHARGE TIME (S)	6-10 secs	8-12 secs	11-15 secs	17-21 secs	20-24 secs	17-21 secs	23-27 secs	25-32 secs
RANGE OF THROW (approx)	4 - 5 M	4 - 5 M	5 - 6 M	5 - 6 M	5 - 6 M	5 - 6 M	5 - 6 M	5 - 6 M
CARTON SIZE mm	105 x 120 x 345	125 x 160 x 430	180 x 200 x 495	180 x 200 x 495	200 x 200 x 565	180 x 210 x 495	200 x 200 x 565	200 x 200 x 645

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# EN3 C02 Type Fire Extinguisher

PRESSURE EQUIPMENT DIRECTIVE  
APPROVED FIRE EXTINGUISHERS



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MARINE EQUIPMENT DIRECTIVE  
APPROVED FIRE EXTINGUISHERS



0029

BRITISH STANDARDS INSTITUTION



CERTIFIED TO BS EN3  
LICENCE NO. KM 57533

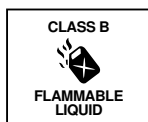


FEX180

FEX182

FEX181

FEX183



- EN3 approved.
- Suitable for Class B & Electrical Hazards.
- High quality and good value.
- Colour coded for instant recognition.
- Available in aluminium and light weight steel.
- Easy to use and leave no messy residue.
- Cylinder Test Pressure: 250 Bar

## TECHNICAL SPECIFICATION

	2kg	5kg	2kg	5kg	5kg
<b>EXTINGUISHER TYPE</b>					
<b>MATERIAL</b>	Steel	Steel	Aluminium	Aluminium	Chromium Molybdenum Steel
<b>MODEL NO.</b>	FEX182	FEX183	FEX180	FEX181	FEX177
<b>FIRE RATING</b>	34B	55B	34B	55B	89B
<b>OPERATING TEMPERATURE</b>	-20°C to 60°C	-20°C to 60°C	-20°C to 60°C	-20°C to 60°C	-20°C to 60°C
<b>OPERATING PRESSURE</b>	70 Bar at 20°C	70 Bar at 20°C	70 Bar at 20°C	70 Bar at 20°C	70 Bar at 20°C
<b>CYLINDER SPECIFICATION</b>	1997/23/EC	1997/23/EC	1997/23/EC	1997/23/EC	1997/23/EC
<b>HEIGHT</b>	625mm	770mm	575mm	695mm	740mm
<b>FULL WEIGHT</b>	8.4kg	15.8kg	6.1kg	12.0kg	14.5kg
<b>EMPTY WEIGHT</b>	6.4kg	10.8kg	4.1kg	7.0kg	9.5kg
<b>DISCHARGE TIME</b>	14 secs	15 secs	14 secs	15 secs	13 secs
<b>RANGE OF THROW (approx)</b>	4 - 5 M	4 - 5 M	4 - 5 M	4 - 5 M	4 - 5 M
<b>CARTON SIZE mm</b>	220 x 180 x 650	230 x 245 x 780	180 x 200 x 530	230 x 240 x 720	230 x 245 x 780

\* Pending approval.

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## POWDER FILLING MACHINE



<b>Code No</b>	<b>FEXPRF-SRIPRF</b>
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**Weight** : 47kg  
**Dimension** : 700 x 460 x 1600 (H) mm  
**Power Requirement** : 230V, 50Hz, 0.8kW single phase

- Emptying and filling continuously
- Window at powder inlet for control of filling
- Adjustable height for 1kg to 12kg powder cylinder size
- Hopper material : Stainless steel
- Filter and hopper can be clean automatically
- Rubber wheel and Transportation handles
- Filling speed (approximately): 9kg - 90secs, 6kg - 65secs
- Suction speed: 18kg/min
- Optional filling head for mobile fire extinguisher 25kg, 50kg & 70kg
- Powder suction hose Ø 32 1.5m
- Suction pipe Ø20 800mm

## SLIM LINE HOSE REEL



Approved by:



AUSTRALIAN  
STANDARD  
AS 2419.2 LIC SMK 2046  
(For Hydrant Valve)



AUSTRALIAN  
STANDARD  
AS/NZS 1221 LIC 955  
(For Hose Reel)

The Slim Line Hose Reel is designed for installation in shopping centres where shop front space is at a premium. The assembly is designed to be fixed in cavity between the walls of adjacent shops thereby occupying the minimum shop front width.

**Dimension** : 260mm (D) x 1700mm (Extended 2530mm) x 1980mm (H)  
**Installation** : Floor Mounting  
**Material for Rack** : Mild Steel  
**Material for Reel** : Mild Steel  
**Suitable for** : 20mm or 25mm Hose Reel

<b>Code No</b>	<b>HRS011-MS-XXX-RD</b>
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## HOSE REEL CABINET



<b>MODEL A</b>		
<b>DOUBLE COMPARTMENT HOSE REEL CABINET</b>		
<b>TECHNICAL SPECIFICATION</b>		
<b>Overall Dimension</b>	740mm (W) x 1540mm (H) x A (D)	
<b>Material</b>	Mild Steel	
<b>Thickness</b>	1.2mm	
<b>Installation</b>	Surface / Wall Mounted, Recessed	
<b>Capacity</b>	Manual or Automatic swing Hose Reel 3/4" or 1", & 2pcs Fire Extinguisher	
<b>Paint Finish</b>	Epoxy Powder Red / White, minimum 70 micron.	
<b>Code No.</b>	<b>Dimension A (Depth) mm</b>	<b>Type</b>
HRS007-MS-400-RD	400	Surface / Wall Mounted
HRS007-MS-320-RD	320	Surface / Wall Mounted
HRS007-MS-250-RD	250	Surface / Wall Mounted
HRS008-MS-400-RD	400	Recessed
HRS008-MS-320-RD	320	Recessed
HRS008-MS-250-RD	250	Recessed
HRS008-MS-400-SS*	400	Recessed
HRS008-MS-320-SS*	320	Recessed
HRS008-MS-250-SS*	250	Recessed

\* Door and architrave in stainless steel



<b>MODEL B</b>		
<b>DOUBLE COMPARTMENT PIVOT TYPE HOSE REEL CABINET</b>		
<b>TECHNICAL SPECIFICATION</b>		
<b>Overall Dimension</b>	740mm (W) x 1540mm (H) x A (D)	
<b>Material</b>	Mild Steel	
<b>Thickness</b>	1.5mm (Door), 1.2mm (Body)	
<b>Installation</b>	Surface / Wall Mounted, Recessed	
<b>Capacity</b>	Manual or Automatic Fixed Type Hose Reel 3/4" or 1", & 2pcs Fire Extinguisher	
<b>Paint Finish</b>	Epoxy Powder Red / White, minimum 70 micron.	
<b>Code No.</b>	<b>Dimension A (Depth) mm</b>	<b>Type</b>
HRS002-MS-420-WH	420	Surface / Wall Mounted (19" Drum)
HRS002-MS-450-WH	450	Surface / Wall Mounted (22" Drum)
HRS005-MS-420-WH	420	Recessed (19" Drum)
HRS005-MS-450-WH	450	Recessed (22" Drum)

Optional: Electrolytic Galvanised (EG) or stainless steel material available on request.

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# HOSE REEL CABINET



## MODEL C SINGLE COMPARTMENT PIVOT TYPE HOSE REEL CABINET

### TECHNICAL SPECIFICATION

<b>Overall Dimension</b>	740mm (W) x 790mm (H) x A (D)
<b>Material</b>	Mild Steel
<b>Thickness</b>	1.2mm Body, 1.5mm Door
<b>Installation</b>	Surface / Wall Mounted / Recessed
<b>Capacity</b>	Manual or Automatic Hose Reel Fixed Type 3/4" or 1" Hose up to 36m
<b>Paint Finish</b>	Epoxy Powder Red or White, minimum 70 micron.

Code No.	Dimension A (Depth) mm	Type
HRS004-MS-420-WH	420	Surface / Wall Mounted (19" Drum)
HRS004-MS-450-WH	450	Surface / Wall Mounted (22" Drum)
HRS001-MS-420-WH	420	Recessed (19" Drum)
HRS001-MS-450-WH	450	Recessed (22" Drum)

## MODEL D DOUBLE COMPARTMENT HOSE REEL CABINET

### TECHNICAL SPECIFICATION

<b>Overall Dimension</b>	1050mm (W) x 800mm (H) x A (D)
<b>Material</b>	Mild Steel
<b>Thickness</b>	1.2mm
<b>Installation</b>	Surface Mounted / Recessed
<b>Capacity</b>	Manual or Automatic Swing Type Hose Reel 1" or 3/4", & 1 No Fire Extinguisher 9kg
<b>Paint Finish</b>	Epoxy Powder Red, minimum 70 micron.

Code No.	Dimension A (Depth) mm	Type
HRS003-MS-400-RD	400	Surface / Wall Mounted
HRS003-MS-320-RD	320	Surface / Wall Mounted
HRS003-MS-250-RD	250	Surface / Wall Mounted
HRS006-MS-400-RD	400	Recessed
HRS006-MS-320-RD	320	Recessed
HRS006-MS-250-RD	250	Recessed

\*Door with plastic opening upon request.

## MODEL E HOSE REEL CABINET

### TECHNICAL SPECIFICATION

<b>Overall Dimension</b>	700mm (W) x 800mm (H) x A (D)
<b>Material</b>	Mild Steel
<b>Thickness</b>	1.2mm
<b>Installation</b>	Surface / Wall Mounted, Recessed
<b>Capacity</b>	Manual or Automatic Swing Type Hose Reel (22" or 19" Drum) 3/4" or 1"
<b>Paint Finish</b>	Epoxy Powder Red, minimum 70 micron.

Code No.	Dimension A (Depth) mm	Type
HRS047-MS-400-RD	400	Surface / Wall Mounted
HRS047-MS-320-RD	320	Surface / Wall Mounted
HRS047-MS-250-RD	250	Surface / Wall Mounted
HRS046-MS-400-RD	400	Recessed
HRS046-MS-320-RD	320	Recessed
HRS046-MS-250-RD	250	Recessed

Optional: • Electrolytic Galvanised (EG) or stainless steel material available on request.

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## HOSE REEL CABINET ARCHITRAVE



### MODEL F HOSE REEL CABINET

#### TECHNICAL SPECIFICATION

<b>Overall Dimension</b>	Hose Reel mounting against back wall
<b>Material</b>	Mild Steel
<b>Thickness</b>	0.9mm
<b>Installation</b>	Surface / Wall Mounted
<b>Capacity</b>	Swing Type Hose Reel (22" Drum) 3/4" or 1"
<b>Paint Finish</b>	Epoxy Powder Red, minimum 70 micron.

Code No.	Dimension A (Width) mm	Dimension B (Depth) mm
HRS045-MS-750-RD	750	380
HRS045-MS-800-RD	800	400

### MODEL G HOSE REEL & FIRE EXTINGUISHER CABINET ARCHITRAVE

#### TECHNICAL SPECIFICATION

<b>Overall Dimension</b>	1090mm (W) x 840mm (H)
<b>Recessed Wall</b>	
<b>Opening Dimension</b>	1050mm (W) x 800mm (H)
<b>Thickness</b>	1.2mm
<b>Installation</b>	Recessed
<b>Capacity</b>	1 No Fire Extinguisher & 1 No Swing Hose Reel
<b>Paint Finish</b>	Epoxy Powder Red, minimum 70 micron.

Code No.	Material
HRS010-MS-MG-RD	Mild Steel
HRS010-SS-MG-NA	Stainless Steel

### MODEL H HOSE REEL CABINET ARCHITRAVE

#### TECHNICAL SPECIFICATION

<b>Overall Dimension</b>	740mm (W) x 840mm (H)
<b>Recessed Wall</b>	
<b>Opening Dimension</b>	700mm (W) x 800mm (H)
<b>Thickness</b>	1.2mm
<b>Installation</b>	Recessed
<b>Capacity</b>	1 No Swing Hose Reel
<b>Paint Finish</b>	Epoxy Powder Red, minimum 70 micron.

Code No.	Material
HRS009-MS-MH-RD	Mild Steel
HRS009-SS-MH-NA	Stainless Steel

### MODEL I CABINET DOOR MOUNTING (FIXED HOSE REEL)

#### TECHNICAL SPECIFICATION

<b>Overall Dimension</b>	770mm (W) x 770mm (H) x A (D)
<b>Material</b>	Mild Steel
<b>Thickness</b>	1.5mm
<b>Capacity</b>	Fixed Hose Reel 1" or 3/4"
<b>Installation</b>	Surface / Wall Mounted, Recessed
<b>Paint Finish</b>	Red Epoxy Powder, minimum 70 micron.

Code No.	Dimension A (Depth) mm	Type
HRS095-MS-360-RD	360	Recessed
HRS095-MS-300-RD	300	Recessed
HRS095-MS-250-RD	250	Recessed
HRS094-MS-360-RD	360	Surface / Wall Mounted
HRS094-MS-300-RD	300	Surface / Wall Mounted
HRS094-MS-250-RD	250	Surface / Wall Mounted

Optional: Electrolytic Galvanised (EG) or stainless steel material available on request.

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## HOSE REEL CABINET



### MODEL J CABINET (FIXED HOSE REEL)

#### TECHNICAL SPECIFICATION

<b>Overall Dimension</b>	740mm (W) x 1040mm (H) x A (D)
<b>Material</b>	Mild Steel
<b>Thickness</b>	1.2mm
<b>Capacity</b>	Fixed Hose Reel 1" or 3/4"
<b>Installation</b>	Surface / Wall Mounted, Recessed
<b>Paint Finish</b>	Red Epoxy Powder, minimum 70 micron.

Code No.	Dimension A (Depth) mm	Type
HRS097-MS-350-RD	350	Recessed
HRS097-MS-255-RD	255	Recessed
HRS097-MS-185-RD	185	Recessed
HRS096-MS-350-RD	350	Surface / Wall Mounted
HRS096-MS-255-RD	255	Surface / Wall Mounted
HRS096-MS-185-RD	185	Surface / Wall Mounted

### MODEL K FREE STANDING CABINET

#### TECHNICAL SPECIFICATION

<b>Overall Dimension</b>	700mm (W) x 1360mm (H) x A (D)
<b>Material</b>	Mild Steel
<b>Thickness</b>	1.2mm
<b>Capacity</b>	Swing Hose Reel 1" or 3/4"
<b>Installation</b>	Floor mounted
<b>Paint Finish</b>	Red / White Epoxy Powder, minimum 70 micron.

Code No.	Dimension A (Depth) mm
HRS092-MS-400-WH	400
HRS092-MS-320-WH	320
HRS092-MS-250-WH	250

### MODEL L FREE STANDING CABINET

#### TECHNICAL SPECIFICATION

<b>Overall Dimension</b>	750mm (W) x 1500mm (H) x 350mm (D)
<b>Material</b>	Mild Steel
<b>Thickness</b>	1.2mm
<b>Capacity</b>	Swing Hose Reel 1" or 3/4"
<b>Installation</b>	Floor mounted
<b>Paint Finish</b>	Red / White Epoxy Powder, minimum 70 micron.
<b>Code No.</b>	HRS093-MS-350-WH

Optional: Electrolytic Galvanised (EG) or stainless steel material available on request.

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## FOAM HOSE REEL



Foam hose reel is complete with a foam inductor used to supply mixture of foam concentrate and water. Foam solution is most effective for extinguisher fire involving flammable liquid such as petrol and solvents.

### FEATURES

- Inductor for 3% or 6% AFFF concentrate
- Flowrate 80L/m at 6bar inlet pressure
- Maximum working pressure 15bar
- Foam tank Stainless steel or Fiber glass 50L suitable for 15 mins. of operation
- Foam supply line can be close with valve for water application only
- Thickness of cabinet : Mild steel 1.2mm
- Dimension in mm : 740 (W) x 1200 (H) x 250 (D)
- Nozzle setting specific to Jet function

### APPLICATION

- Petrol stations
- Oil and solvent storage area

<b>Code No</b>	<b>FOS088-MS-STD-RD</b>
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## SLIM LINE HOSE REEL



The Slim Line hose reel is designed for installation in shopping centres where shop front space is at a premium. It is designed to be fixed in a cavity between the walls of adjacent shops thereby occupying the minimum shop front width.

Operation : Pull hose reel out of cabinet and swing hose reel to the desire direction for withdrawal of hose.

Suitable for 3/4" and 1" swing hose reel

Material : Mild Steel 1.5mm

Installation : Recessed and wall mounted

Code No.	Dimension in mm
<b>CAB430-MS-GER-RD</b>	300 (W) x 1200 (H) x 740 (D)
<b>CAB431-MS-GER-RD</b>	340 (W) x 1240 (H) x 740 (D)

*Optional: Electrolytic Galvanised (EG) or stainless steel material available on request.*

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## 2 WAY AND 4 WAY BREECHING INLET CABINET



2 WAY BREECHING INLET CABINET	
TECHNICAL SPECIFICATION	
Dimension	595mm x 395mm x 295mm
Material	Mild Steel
Thickness	0.9mm
Glass	Wire Meshed Reinforcement
Installation	Recess Mounted
Paint Finish	Epoxy Powder Red
Manufacture	BS 5041 Part 5
Code No	DRS096-MS-STD-RD, DRS096-MS-EXP-RD

4 WAY BREECHING INLET CABINET	
TECHNICAL SPECIFICATION	
Dimension	595mm x 595mm x 295mm
Material	Mild Steel
Thickness	0.9mm
Glass	Wire Meshed Reinforcement
Installation	Recess Mounted
Paint Finish	Epoxy Powder Red
Manufacture	BS 5041 Part 5
Code No	WRS116-MS-004-RD

## DRY RISER AND WET RISER OUTLET CABINET



Night Latch Lock/ →  
Bird Lock

LANDING VALVE CABINET	
TECHNICAL SPECIFICATION	
Dimension	395mm(w) x 595mm(H) x 295mm(D)
Material	Mild Steel
Thickness	1.2mm
Glass	Wire Mesh Reinforcement
Installation	Recess Mounting
Paint Finish	Epoxy Powder Red
Code No	CAB286-MS-LDV-RD

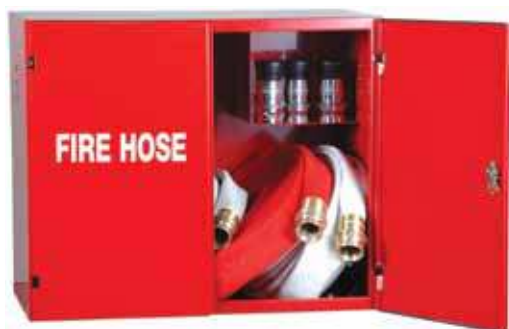
PRESSURE REDUCING VALVE CABINET	
TECHNICAL SPECIFICATION	
Dimension	455mm(w) x 750mm(H) x 307mm(D)
Material	Mild Steel
Thickness	1.2mm
Glass	Wire Mesh Reinforcement
Installation	Recess Mounting
Paint Finish	Epoxy Powder Red
Code No	CAB295-MS-PRV-UK (with key lock)

Optional: Night Latch Lock/Bird Lock available on request.

Optional: Electrolytic Galvanised (EG) or stainless steel material available on request.

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## HOSE CABINET



### MODEL A HOSE CABINET

#### TECHNICAL SPECIFICATION

<b>Dimension</b>	800mm (W) x 1000mm (H) x 300mm (D)
<b>Material</b>	Mild Steel
<b>Thickness</b>	1.2mm
<b>Installation</b>	Wall Mounted
<b>Capacity</b>	1 No Landing Valve, 1 No Hose Cradle, 1 No 2-1/2" x 30m Hose
<b>Paint Finish</b>	Epoxy Powder Red
<b>Code No</b>	<b>WRS087-MS-MAX-RD</b>

### MODEL B HOSE CABINET

#### TECHNICAL SPECIFICATION

<b>Dimension</b>	900mm (W) x 1100mm (H) x 300mm (D)
<b>Material</b>	Mild Steel
<b>Thickness</b>	1.2mm
<b>Installation</b>	Wall Mounted
<b>Capacity</b>	1-1/2" or 2-1/2" Hose Rack Assembly
<b>Paint Finish</b>	Epoxy Powder Red
<b>Code No</b>	<b>WRS087-MS-MBX-RD</b>

### MODEL C HOSE CABINET

#### TECHNICAL SPECIFICATION

<b>Dimension</b>	560mm (W) x 1163mm (H) x 300mm (D)
<b>Material</b>	Mild Steel
<b>Thickness</b>	0.9mm
<b>Installation</b>	Floor Mounted
<b>Capacity</b>	2 Nos Diffuser Nozzle, 2 Length of Hose 2-1/2" x 30m (Type 1)
<b>Paint Finish</b>	Epoxy Powder Red
<b>Code No</b>	<b>HYD071-MS-MC-RD</b>

### MODEL D HOSE CABINET

#### TECHNICAL SPECIFICATION

<b>Dimension</b>	590.0mm (W) x 610.0mm (H) x 340.0mm (D)
<b>Material</b>	Mild Steel
<b>Thickness</b>	0.9mm
<b>Installation</b>	Wall Mounted
<b>Capacity</b>	2 Nos Diffuser Nozzle, 2 Length of Hose 2-1/2" x 30m (Type 1)
<b>Paint Finish</b>	Epoxy Powder Red
<b>Code No</b>	<b>HYD071-MS-MDX-RD</b>

### MODEL E HOSE CABINET

#### TECHNICAL SPECIFICATION

<b>Dimension</b>	900mm (W) x 750mm (H) x 500mm (D)
<b>Material</b>	Mild Steel
<b>Thickness</b>	1.2mm
<b>Installation</b>	Floor Mounted
<b>Capacity</b>	2 Nos Fire Extinguisher 9.0kg
	2 Nos 2-1/2" x 30m Canvas Hose (Type 1)
	2 Nos Diffuser Nozzle
	1 No Dividing Breeching
<b>Paint Finish</b>	Epoxy Powder Red
<b>Code No</b>	<b>HYD085-MS-ME-RD</b>

Optional: Electrolytic Galvanised (EG) or stainless steel material available on request.

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# FIRE EXTINGUISHER CABINET



TECHNICAL SPECIFICATION			
Thickness	0.9mm		
Installation	Wall Mounted		
Paint Finish	Epoxy Powder Red		
Code No.	Capacity	Size	Material
FEX146-MS-025-RD	1 pc 2.5kg Box	225mm (W) x 560mm (H) x 150mm (D)	Mild Steel
FEX146-MS-045-RD	1 pc 6.0kg Box	280mm (W) x 546mm (H) x 203mm (D)	Mild Steel
FEX146-MS-090-RD	1 pc 9.0kg Box	280mm (W) x 710mm (H) x 260mm (D)	Mild Steel
FEX146-MS-LOC-RD	1pc 9kg Box	280mm (W) x 660mm (H) x 220mm (D)	Mild Steel
FEX146-MS-050-RD	1pc 5.0kg CO2	280mm (W) x 830mm (H) x 260mm (D)	Mild Steel
FEX146-SS-STD-NA	1 pc 9.0kg Box	280mm (W) x 710mm (H) x 260mm (D)	Stainless Steel
FEX145-MS-090-RD	2pcs 9kg Box	560mm (W) x 710mm (H) x 260mm (D)	Mild Steel
FEX166-MS-050-RD	2pcs 5kg CO2	560mm (W) x 820mm (H) x 260mm (D)	Mild Steel



TECHNICAL SPECIFICATION			
Thickness	0.9mm		
Installation	Wall Mounted		
Paint Finish	Epoxy Powder Red		
Code No.	Capacity	Size	Material
FEX169-SS-060-NA	1 pc 6.0kg Box	280mm (W) x 570mm (H) x 250mm (D)	Stainless Steel
FEX169-SS-090-NA	1 pc 9.0kg Box	280mm (W) x 690mm (H) x 250mm (D)	Stainless Steel
FEX169-MS-060-RD	1 pc 6.0kg Box	280mm (W) x 570mm (H) x 250mm (D)	Mild Steel
FEX169-MS-090-RD	1 pc 9.0kg Box	280mm (W) x 690mm (H) x 250mm (D)	Mild Steel
FEX169-MS-050-RD	1 pc 5.0kg CO2	280mm (W) x 830mm (H) x 250mm (D)	Mild Steel
FEX146-FG-060-T2	1 pc 6.0kg ABC or 2.0kg CO2	300mm (W) x 670mm (H) x 230mm (D)	Plastic
FEX146-FG-060-T3	2 pcs 6.0kg ABC or 2.0kg CO2	540mm (W) x 715mm (H) x 270mm (D)	Plastic

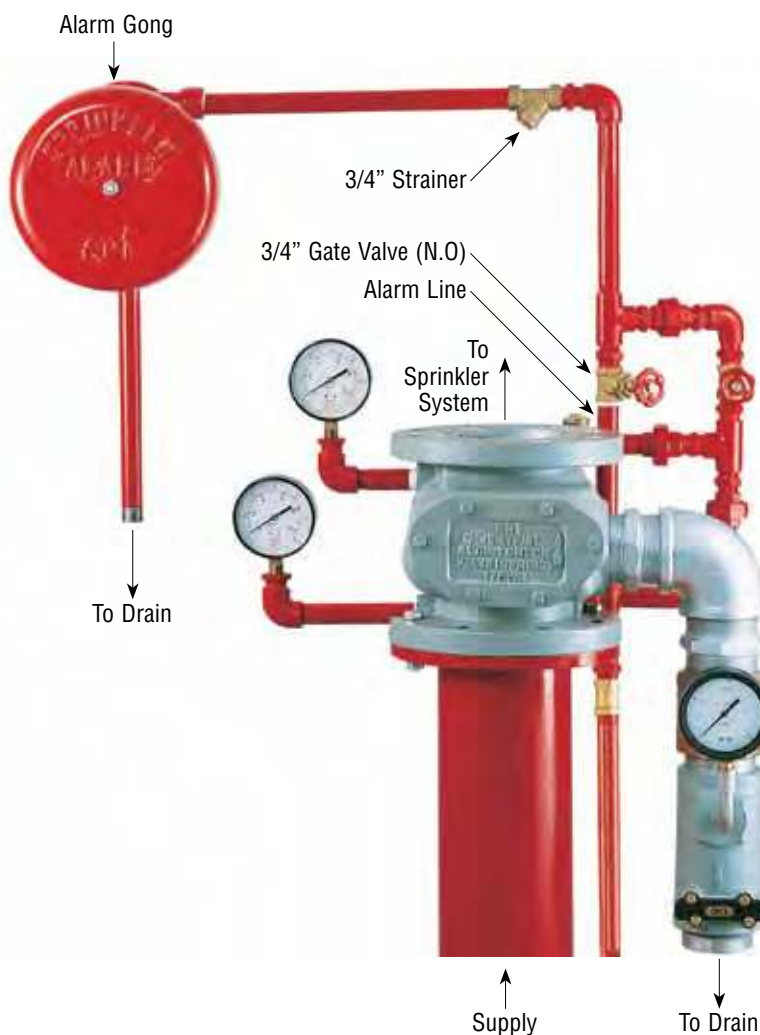
Optional: Indoor and Outdoor Cabinets available on request.

Electrolytic Galvanised (EG) or stainless steel material available on request.

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# SPRINKLER ALARM VALVE



The alarm valve is an alarm device designed for installation in a sprinkler system. It is used to actuate a fire alarm when flow of water from the sprinkler system exceeds that of a single sprinkler. When a sprinkler is in operation, the resulting water flow lowers the pressure in the sprinkler system. The greater water supply pressure then causes the alarm valve clapper to open. The seat ring opening of the alarm valve allows the water to flow into the alarm line connection which will then operate the alarm gong.

The by-pass connection in the check valve allows pressure surges from the supply to by-pass the alarm valve clapper. An excess system pressure is thus created which steadies the clapper.

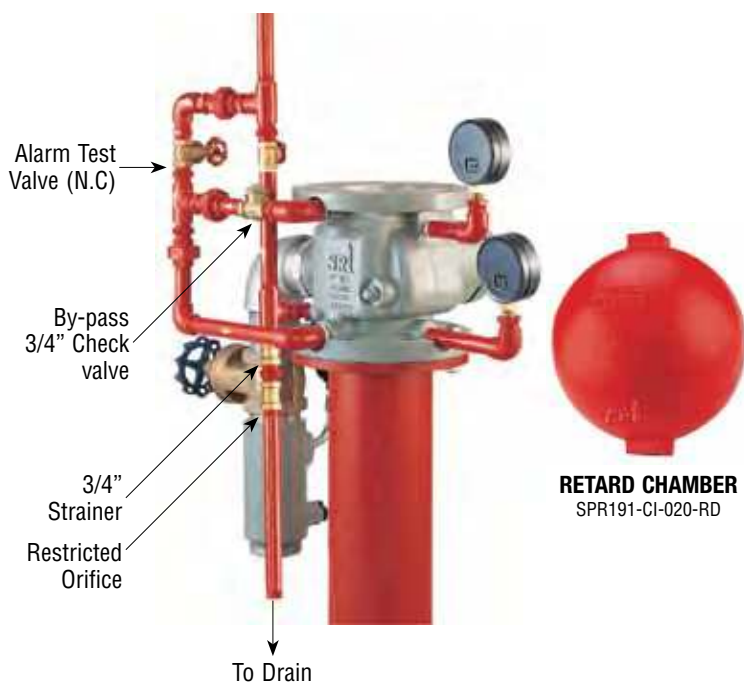
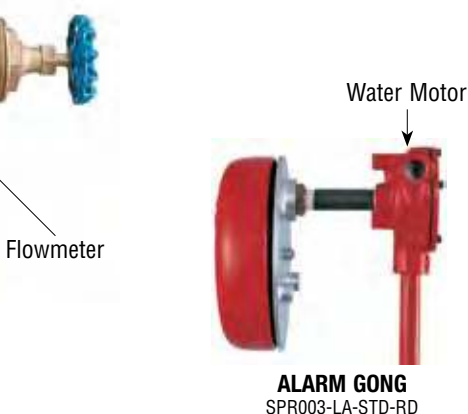
A Retard Chamber is used when the water supply pressure fluctuates, such as public main water supply. It is used to prevent false alarms caused by surges or fluctuations in pressure.

### SPECIFICATIONS

- Working pressure : 175Psi (12bar)
- Factory hydrostatic test pressure : 350Psi (24bar)
- Flange Connections : ANSI B16.1 125 FF Flange
- Thread Connections : BSP Thread

Code No.	Valve Size	Friction Loss
SPR182-CI-100-GY	4" (100mm)	5.0m (equivalent length)
SPR182-CI-150-GY	6" (150mm)	8.0m (equivalent length)

*Note: retard chamber, trim parts, alarm gong and water motor and pressure switch to be ordered separately*



### FLOWMETER

The sprinkler system flowmeter is designed to test the rate of flow available for coverage of various hazards.

### FLOWMETER APPLICATION:

Flowmeter can be used in wet and dry sprinkler Systems in all hazard groups, which complies to L.P.C.Codes.

Code No.		Description	Hazard Group Orifice Size (mm)
Flowmeter	Gauges		
SPR165-LA-XLH-GY	SPR158-XLH	XLH	21.0/18.5
SPR165-LA-OH1-GY	SPR158-OH1	OH1	31.0
SPR165-LA-OH2-GY	SPR158-OH2	OH2	40.0
SPR165-LA-OH3-GY	SPR158-OH3	OH3	45.0
SPR165-LA-OH3SGY	SPR158-OH3S	OH3 Special	50.0
SPR165-LA-XHH-GY	SPR158-XHH-10.0	XHH 10.0 mm/min	62.0
SPR165-LA-XHH-75	SPR158-XHH-07.5	XHH 7.5 mm/min	58.5

*Note: The drain pipework down stream of the orifice plate must have a friction loss of less than 300 mb.*

# SPRINKLER SYSTEM ACCESSORIES



## SINGLE LOW PRESSURE CONTROL FEATURES

Pressure range : 1 to 10 bar  
 Differential pressure 1 to 3 bar  
 Single-Pole Double Throw (SPDT) contacts  
 Adjustment of range and differential can be done by turning the hexagonal screw

## APPLICATIONS

Pressure sensing of sprinkler system to provide automatic starting of sprinkler system pumps.

Code No	SPR266-P77-10
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## AUTOMATIC SPRINKLERS FEATURES

- Type : Upright, Pendent, Horizontal Sidewall
- Category : Standard Response Quick Response
- Thread Size: 1/2" NPT
- Orifice Size : 5.6 (Factor K)
- Finishing : Chrome or Brass

## SPRINKLER TEMPERATURE

Classification	Temperatures	Bulb Colour
Ordinary	155° F / 68°C	Red
Intermediate	175° F / 79°C	Yellow
Intermediate	200° F / 93°C	Green



## PENDENT SPRINKLER HEAD

Code No.	Temperatures	Finishing
SPR-57-571-1-155	155° F / 68°C	Brass
SPR-57-571-9-155	155° F / 68°C	Chrome



## UPRIGHT SPRINKLER HEAD

Code No.	Temperatures	Finishing
SPR-57-570-9-155BR	155° F / 68°C	Brass
SPR-57-570-9-155	155° F / 68°C	Chrome

## HORIZONTAL SIDEWALL SPRINKLER HEAD



Code No.	Temperatures	Finishing
SPR-57-577-9-155BR	155° F / 68°C	Brass
SPR-57-577-9-155	155° F / 68°C	Chrome

\* Optional : Automatic Sprinklers with special features available upon request.



## FLOWSWITCH

Single-Pole Double Throw (SPDT) flow switch. To provide an electrical alarm signal when a flow in the sprinkler system occurs. Operation of flowswitch may be checked by opening the inspection test valve. Adjustable flow paddle, suitable for 1" to 6" pipe. 1" NPT thread connection for installation into screwed tee fitting.

Mounting : Vertical or horizontal

Code No	SPR265-F61KB
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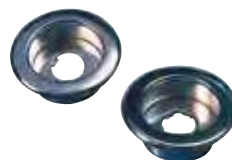


## SIGHT GLASS FLOW CONNECTION

This is used for visual checking of water flow and water filling of pipe at test point. To be installed in main drain lines and inspection test pipes.

Working pressure : 175Psi  
 Test pressure : 300Psi  
 Connection : 1" BSP thread

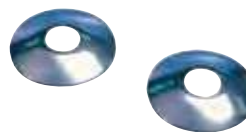
Code No	SPR004-GM-025-VL
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## RECESSED SPRINKLER ROSETTE

Suitable for 1/2" sprinkler  
 Adjustable rosettes  
 Stainless steel available

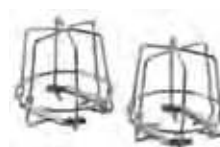
Code No.	Material
SPR178-MS-015-CH	M.S Chrome
SPR178-MS-015-WH	M.S Epoxy White



## PLAIN SPRINKLER ROSETTE

Suitable for 1/2" sprinkler  
 Stainless steel available

Code No.	Material
SPR173-MS-015-CH	M.S Chrome
SPR173-MS-015-WH	M.S Epoxy White



## SPRINKLER GUARD

To be used for area where sprinkler may be susceptible to be accidentally struck

Code No.	Material
SPR179-MS-015-CH	M.S Chrome



## SPRINKLER WRENCH

Used for installation of upright and pendent sprinklers

Code No.	Material
SPR177-MS-STD-BK	M.S. Epoxy Black

# FLEXIBLE SPRINKLER DROPS

## TECHNICAL DATA

- Temperature: 225 °F
- Pressure: 175 psi
- Connection: Inlet: 1" NPT  
Outlet: 1/2" or 3/4" NPT
- Maximum Bend Radius: 4", 8"  
\*Do not bend within 2.52 inches from connection nuts.
- Maximum Number of Bend : Refer to Friction Loss Data
- K-Factor: 1/2" Outlet: 5.6 gpm  
3/4" Outlet: 8.0 gpm

## FEATURES

### TUBE

- Lengths: 24", 36", 48", 60", 72"
- Outlet Reducer Dia. 3/8", 1/2", 3/4", 1" Straight or 90° Elbow
- Type: Braided  
Unbraided

### BRACKETS

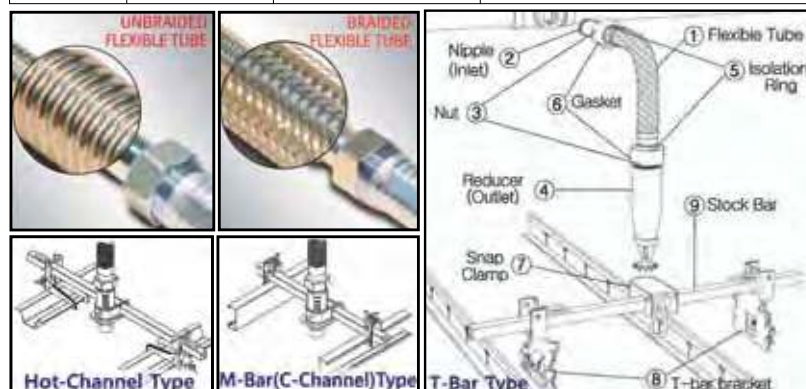
- TBS System: T-Bar Grid Commercial Suspend Ceiling
- MSB, HCB System: Metal Stud / Sheetrock Suspend Ceiling

### OPTIONAL

- Special lengths available on request

## Friction Loss Data

Length (inch)	Outlet Connection	Maximum Number of 90° Bend	Equivalent Length of 1 in. Schedule 40 Pipe, ft
24"	1/2"	1	6.8 / 18
	3/4"	1	4.7 / 18
36"	1/2"	2	11.5 / 31
	3/4"	2	10.6 / 34
48"	1/2"	3	16.7 / 48
	3/4"	3	12.7 / 51
60"	1/2"	4	20.6 / 60
	3/4"	4	17.0 / 65
72"	1/2"	4	24.0 / 71
	3/4"	4	19.8 / 72



## INSTALLATION



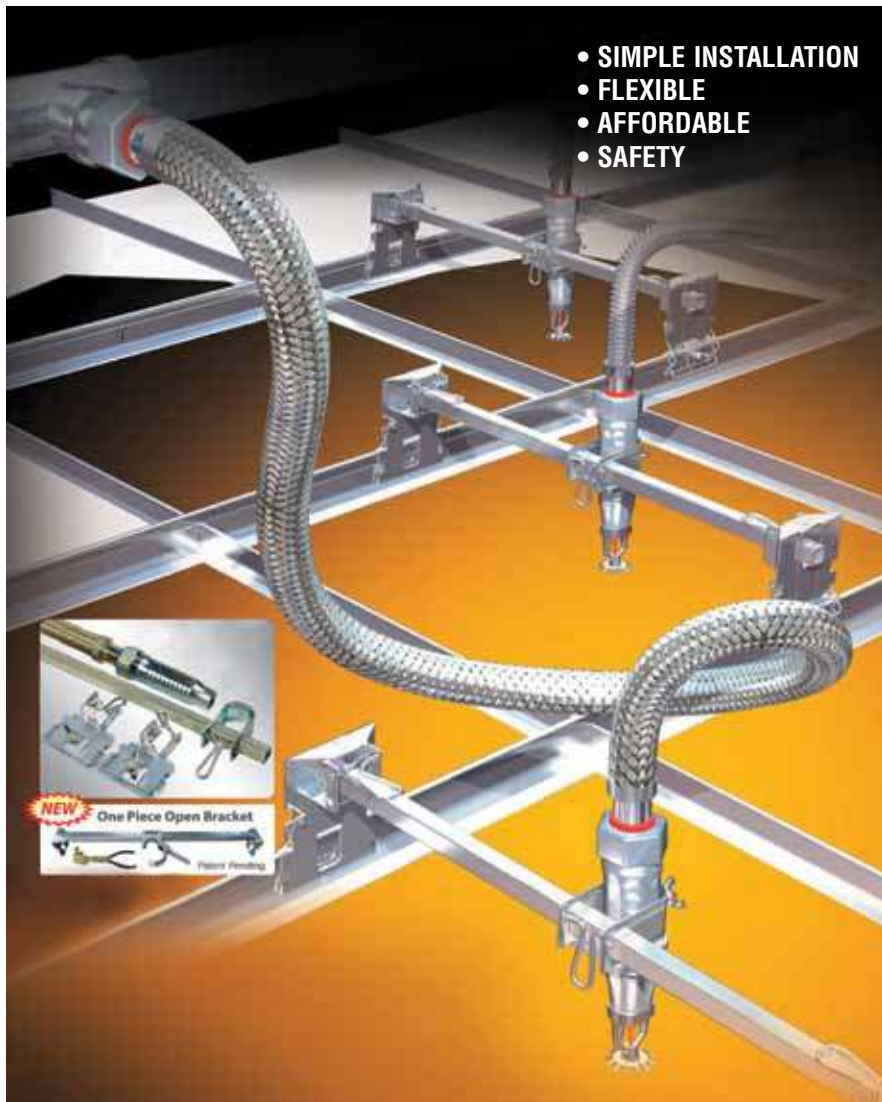
Commercial Type



Exhaust Ducts Type



Cleanroom Type



- SIMPLE INSTALLATION
- FLEXIBLE
- AFFORDABLE
- SAFETY

# FLOW CONTROL EQUIPMENT

## GATE VALVE



### SPECIFICATION

- Non rising stem (handwheel or key operated) and O.S & Y
- Body, bonnet, disc and handwheel material: Cast Iron or Ductile Iron, Cast iron to BS EN 1561 GR.220, Ductile iron to BS EN 1563 450/10 = EN-GJS450-10 (EN-JS1040)
- Available in : 1) Resilient Seat for Non Rising Stem PN16 and O.S & Y  
2) Metal Seat for Non Rising Stem PN10
- Packing material : For Resilient Seat – EPDM/NBR O Rings  
For Metal Seat – Polyimide (Non-asbestos)
- Stem material : Stainless steel
- Gasket Material : EPDM/Rubber

### PN10 (10BAR)

Manufactured to BS EN 1171

- Flange : BS 10 Table E
- Working pressure : 10bar, 145Psi (WOG)
- Body test pressure: 15bar
- Seat test pressure : 11bar

### PN16 (16BAR)

Manufactured to BS 5163 & BS EN 1171

- Flange : BS 10 Table E
- Working pressure : 16bar, 232Psi (WOG)
- Body test pressure: 24bar
- Seat test pressure : 17.6bar

Size (mm)	Non Rising Stem PN10 & PN16		OS & Y Rising Stem PN16
	Key Operated	Handwheel Operated	Handwheel Operated
2-1/2" (65)	HYD073-DI65	HYD089-DI65	HYD092-DI65
3" (80)	HYD073-DI80	HYD089-DI80	HYD092-DI80
4" (100)	HYD073-DI100	HYD089-DI100	HYD092-DI100
6" (150)	HYD073-DI150	HYD089-DI150	HYD092-DI150
8" (200)	HYD073-DI200	HYD089-DI200	HYD092-DI200
10" (250)	HYD073-DI250	HYD089-DI250	HYD092-DI250
12" (300)	HYD073-DI300	HYD089-DI300	HYD092-DI300

Optional : Cast Iron material available on request.

## DUCTILE IRON GATE VALVE RESILIENT SEAT

### SPECIFICATION

- Design and manufactured to BS 5163
- Disc material : Ductile Iron with EPDM/NBR vulcanization
- Suitable for water, sewage and neutral liquid (maximum temperature to 70°C)
- Face to face dimension to BS 5163
- Flange dimension BS 4504 PN16
- Body, bonnet : Ductile Iron to BS EN 1563 450/10 = EN-GJS450-10 (EN-JS1040)
- Working pressure : 16 bar
- Available in key or handwheel operated
- Pressure test on body : 24 bar
- Stem material : Stainless steel
- Pressure test on seat : 17 bar



Ductile Iron Gate Valve Resilient Seat	
Handwheel Operated	Key Operated
HYD093-DI65PN16	HYD073-DI65PN16
HYD093-DI80PN16	HYD073-DI80PN16
HYD093-DI100PN16	HYD073-DI100PN16
HYD093-DI150PN16	HYD073-DI150PN16
HYD093-DI200PN16	HYD073-DI200PN16
HYD093-DI250PN16	HYD073-DI250PN16
HYD093-DI300PN16	HYD073-DI300PN16

## CAST IRON Y-STRAINER

### SPECIFICATION

- Body and Bonnet material: Cast Iron to BS EN 1561 GR.220 = EN-GJL-200 (EN-JL1030)
- Screen material: Stainless steel
- Flanged: BS10 Table E
- Working Pressure: 16 bar
- Test pressure: 20 bar
- Screen size: 2mm diameter



Size (mm)	Code No.	Type
1" (25)	MIS249-CI-25BSPT	Screw
2" (50)	MIS249-CI-50BSPT	Screw
2-1/2" (65)	MIS249-CI-65TE	Flange
3" (80)	MIS249-CI-80TE	Flange
4" (100)	MIS249-CI-100TE	Flange
6" (150)	MIS249-CI-150TE	Flange
8" (200)	MIS249-CI-200TE	Flange

## FLOW CONTROL EQUIPMENT



Lever Operated

Handwheel with monitor switch

Groove end with monitor switch

Electrical operated

### BUTTERFLY VALVE

#### DESIGN FEATURES

- Manufactured to BS 593
- Epoxy paint internal and external
- Installation horizontal or vertical
- Working Pressure : 16 Bar
- Working Temperature: -20°C to +120°C
- Seat Test Pressure : 17.6 Bar
- Body Test Pressure : 24 Bar
- Service Fluids : Water, Oil or Gas
- Flanges : PN 16 or Table E
- Sealing ring : EPDM
- Body : Cast Iron BS EN 1561 GR.220=EN-GJL-200 (EN-JL1030)
- Shaft : Stainless steel

Size	Model No. Lever Operated	Model No. Handwheel Operated	Model No. Groove end	Model No. Electrical Operated
2-1/2" (65)	SPR169-CI-065-BL	SPR168-CI-065-BL	SPR166-CI-065-BL	SPR167-CI-065-BL
3" (80)	SPR169-CI-080-BL	SPR168-CI-080-BL	SPR166-CI-080-BL	SPR167-CI-080-BL
4" (100)	SPR169-CI-100-BL	SPR168-CI-100-BL	SPR166-CI-100-BL	SPR167-CI-100-BL
6" (150)	SPR169-CI-150-BL	SPR168-CI-150-BL	SPR166-CI-150-BL	SPR167-CI-150-BL
8" (200)	SPR169-CI-200-BL	SPR168-CI-200-BL	SPR166-CI-200-BL	SPR167-CI-200-BL
10" (250)	SPR169-CI-250-BL	SPR168-CI-250-BL	SPR166-CI-250-BL	SPR167-CI-250-BL
12" (300)	SPR169-CI-300-BL	SPR168-CI-300-BL	SPR166-CI-300-BL	SPR167-CI-300-BL



### SWING CHECK VALVE

#### SPECIFICATION

- Design and manufactured to BS EN 12334
- Working pressure 16 bar
- Flange ends to BS EN 1092 PN16
- Test pressure 24 Bar
- Body : Cast Iron BS EN 1561 GR.220 = EN-GJL-200 (EN-JL1030)
- Seat ring : Bronze
- Hinge pin : Brass

Size (mm)	Model No.	Face to face (mm)
2-1/2" (65)	HYD096-CI-065PN16	216
3" (80)	HYD096-CI-080PN16	241
4" (100)	HYD096-CI-100PN16	292
6" (150)	HYD096-CI-150PN16	356
8" (200)	HYD096-CI-200PN16	495



### SILENT CHECK VALVE

#### SPECIFICATION

- Prevents water hammer due to flow reversal, as valve will completely close before reversal of flow takes place.
- PN16 or Table E Flange connection
- Working Pressure : 16 Bar
- Seat Test Pressure : 17.6 Bar
- Body Test Pressure : 24 Bar
- Installation : Vertical

Size (mm)	Model No.	Face to face (mm)
2-1/2" (65)	HYD082-CI-65PN16	140
3" (80)	HYD082-CI-80PN16	152
4" (100)	HYD082-CI100PN16	184
6" (150)	HYD082-CI150PN16	248
8" (200)	HYD082-CI200PN16	318



### WAFER CHECK VALVE

#### SPECIFICATION

- Working Pressure: 16 Bar
- Factory pressure test: 24 Bar
- Body material: Cast iron BS EN 1561 GR.220
- Disc material: Ductile iron
- Seat: EPDM
- Suitable for BS 10, BS EN 1092 and ANSI 150 flange

Size (mm)	Code No.
2-1/2" (65)	SPR189-CI-065-BL
3" (80)	SPR189-CI-080-BL
4" (100)	SPR189-CI-100-BL
6" (150)	SPR189-CI-150-BL
8" (200)	SPR189-CI-200-BL

## FLOW CONTROL EQUIPMENT



### BALL FLOAT VALVE

#### MATERIAL

- Valve Body: Bronze BS 1400
- Valve Lever: Stainless Steel 304
- Ball Float: Stainless steel
- Valve Seat: NBR
- Pressure Test: 20 bar
- Inlet connection : BSP Thread

Size (mm)	Code No.
2" (50)	SPR103-GM-050-NA
3" (80)	SPR103-GM-080-NA
4" (100)	SPR103-GM-100-NA
6" (150)	SPR103-GM-150-NA



Female Screw Union Double Sphere



Flange Type Double Sphere



Flange Type Single Sphere

### FLEXIBLE EXPANSION JOINT

#### SPECIFICATION

- Body: Polarized Rubber
- Lining: Nylon Cord Fabric
- Frame: Forged steel EN S235JR
- Flanged: Mild steel BS 10 Table E
- Working Pressure: 16bar
- Burst pressure: 45bar
- Gasket or packing not required
- Temperature range: -10°C to 105°C

#### FEMALE SCREW UNIONS

Size (mm)	Code No.
1" (25)	MIS251-MS-25BSP
1-1/2" (38)	MIS251-MS-40BSP
2" (50)	MIS251-MS-50BSP
2-1/2" (65)	MIS251-MS-65BSP

#### DOUBLE SPHERE (FLANGE)

Size (mm)	Code No.
2-1/2" (65)	MIS252-MS-65TE
3" (80)	MIS252-MS-80TE
4" (100)	MIS252-MS-100TE
6" (150)	MIS252-MS-150TE
8" (200)	MIS252-MS-200TE

#### SINGLE SPHERE (FLANGE)

Size (mm)	Code No.
2-1/2" (65)	MIS253-MS-65TE
3" (80)	MIS253-MS-80TE
4" (100)	MIS253-MS-100TE
6" (150)	MIS253-MS-150TE
8" (200)	MIS253-MS-200TE

### VORTEX INHIBITOR

#### MATERIAL

Mild Steel Galvanised or  
Stainless steel

#### FEATURES

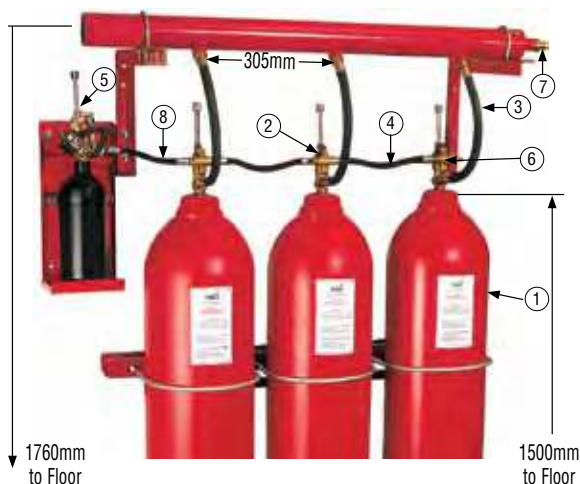
- Suitable for suction lift or positive head condition
- Flange connection to BS 10 Table E
- Prevent forming of vortex and air entry to pump



Size (mm)	Code No.
2-1/2" (65)	SPR001-MS-065-CH
3" (80)	SPR001-MS-080-CH
4" (100)	SPR001-MS-100-CH
6" (150)	SPR001-MS-150-CH
8" (200)	SPR001-MS-200-CH
10" (250)	SPR001-MS-250-CH

## CO2 EXTINGUISHING SYSTEM

### CO2 SYSTEM SETUP TYPE A, WITH SOLENOID ACTUATED PILOT CYLINDER



Item	Part No.	Description
1	C02001-CS-450-KV	45Kg CO2 cylinder
2	C02023-BR-XXX-XX	CO2 K Valve
3	C02005-RB-015-BK	1/2" x 18" Discharge hose with Check valve
4	C02058-RB-300-BK	Pilot loop 1/4 " x 300mm
5	C02054-CS-020-SP	Pilot cylinder with Solenoid valve 2.0kg
6	C02014-VP-038-UF	Brass Vent Plug 3/8
7	C02069-BR-020-NA	Safety valve 3/4" BSP
8	C02058-RB-457-BK	Pilot loop 1/4" x 457mm

### CO2 SYSTEM SETUP TYPE B, WITH PYROCHARGE ACTUATION



Item	Part No.	Description
1	C02001-CS-450-KV	45Kg CO2 cylinder
2	C02023-BR-XXX-XX	CO2 K Valve
3	C02005-RB-015-BK	1/2" x 18" Discharge hose with Check valve
4	C02058-RB-300-BK	Pilot loop 1/4 " x 300mm
5	C02058-RB-360-BK	Pilot loop 1/4" x 360mm
6	C02002-SF-1	Pyrocharge 24VDC
7	C02019-SH-015-ZP	Tee Connector
8	C02024-CS-003-NA	1/8" Plug
9	C02014-VP-038-UF	Brass Vent Plug 3/8
10	C02069-BR-020-NA	Safety valve 3/4" BSP

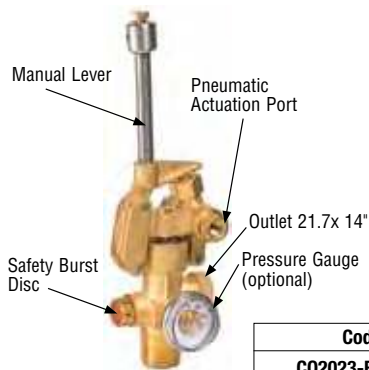
### WEIGHT MONITORING SYSTEMS



This device is used to automatically monitor the contents of the CO2 cylinder. When the CO2 gas falls the indicator on the device will show that it is empty and an optional Micro-switch can be installed to send a signal to the control panel. This is the most effective method of monitoring the CO2 gas in the cylinders.

Item	Part No.	Description
1	C02015-MS-XXX-NA	Weight Check Device
2	C02013-MS-SWI-NA	Monitor Switch
3	C02016-MS-XXX-NA	Hanging Bracket

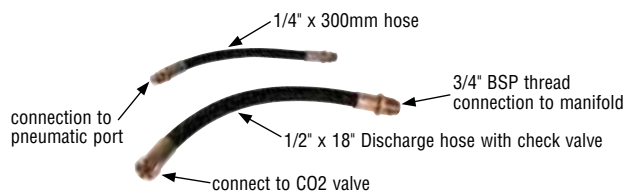
# CO2 EXTINGUISHING SYSTEM COMPONENTS



## CO2 K VALVE

- Material: Brass CZ122
- Test Pressure: 250Bar
- Burst Disc pressure: 200-250Bar
- Pneumatic actuation pressure: 1.5 Bar

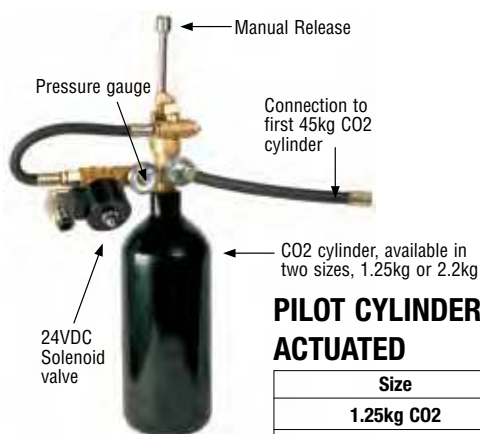
Code No	Description
C02023-BR-XXX-XX	CO2 K-Valve
C02022-MS-005-ZP	Manual Lever



## DISCHARGE HOSE AND PILOT LOOP HOSE

- Specification: SAE 100R1AT
- Min. Burst Pressure 8000Psi (1/2"), 11000Psi (1/4")
- Test Pressure: 3000Psi
- Min. Bend Radius: 100mm

Code No	Description
C02005-RB-015-BK	Discharge Hose c/w check valve
C02058-RB-300-BK	Pilot Loop Hose



## PILOT CYLINDER SOLENOID ACTUATED

Size	Code No
1.25kg CO2	C02054-CS-001-SP
2kg CO2	C02054-CS-020-SP



## FIRE CURTAIN

Actuated by 24VDC tripping device. Install on top of louvers or opening.

Code No	Description
FAS253-FG-XXX-WH	Fire curtain c/w steel cable
FAS254-NO-24V-RD	Box c/w solenoid tripping device



Standard Nozzle



Discharge Nozzle With Horn

## CO2 MULTIJET DISCHARGE NOZZLES

Discharge nozzle with horn type is used for diffusing CO2 gas to prevent scattering of burning material.

Nozzle material: Brass CZ 121  
Horn material: Aluminium alloy

CO2 nozzles in total flooding system should be arranged in the protected space in a manner to ensure equal distribution of CO2 gas during a discharge.

Size	Code No. Type Standard	Code No. With Horn
1/2" (15)	C02011-BR-015-RH	C02007-LA-015-MS
3/4" (19)	C02011-BR-020-RH	C02007-LA-020-MS
1" (25)	C02011-BR-025-RH	C02007-LA-025-MS

## PRESSURE OPERATED DIRECTIONAL VALVE

When two or more areas are to be protected using a same bank of CO2 cylinders, a Pressure Operated Directional (POD) valve is installed in each of the CO2 main feed pipe leading to the designated areas. CO2 gas from pilot cylinders connected to the inlet port will open valve.



Size (mm)	Code No.
1 1/4" (32)	C02010-CS-032-NA
1-1/2" (38)	C02010-CS-040-NA
2" (50)	C02010-CS-050-NA
2-1/2" (65)	C02010-CS-065-NA
3" (80)	C02010-CS-080-NA
4" (100)	C02010-CS-100-NA
6" (150)	C02010-CS-150-NA



## MANIFOLD PRESSURE SWITCH

Code No	Description
C02012-XX-XXX-XX	

## CO2 CYLINDER 68L

- Test Pressure: 250Bar
- Empty Weight: 75Kg
- Finishing: Red
- CO2 Capacity: 45Kg
- Manufacture to: BS5045 Part 1
- Material: Mn Steel, Thread : 28.8 x 14" TPI
- Filling Ratio: 0.667
- Develop Pressure: 70Bar (1015Psi) @ 20°C

Code No	Description
C02001-CS-450-KV	

Length  
1500mm



# HFC 227ea/CO2 EXTINGUISHING SYSTEM COMPONENTS



## MANUAL PULL BOX (WITH MICROSWITCH)

Use for remote emergency manual operation.  
Mild steel painted Red Epoxy

### INSTALLATION GUIDE

Steel cable attached at manual lever of pilot cylinder. Run all cable straight and use corner pulleys to change direction. Ensure cable is protected with conduit.

Code No	Description
C02072-MS-STD-RD	CO2 manual pull station



## SOUNDER

Operating Voltage : 24VDC

Code No	FAS-4A-CS100
	FAS-4A-Y04-24V



## FLASH ALARM BEACON LIGHT

Operating Voltage : 24VDC

Code No	FAS-4A-V4-24VDC



## MANUAL CALL POINT

Rating : 10 Amps @ 24VDC

Code No	FAS221-SRI-24V



## KEY SWITCH

Rating : 2 Amps @ 24VDC

Code No	FAS260-LA-28V-RD
	FAS260-PS-28V-RD



## 6" ALARM BELL

Operating Voltage : 24VDC

Code No	FAS194-LA-150-RD



## CONTROL PANELS

Main Power Requirement : 220 - 240VAC

Code No	ZONE
FAS002-NO-002-RD	2 ZONE
FAS002-NO-004-RD	4 ZONE
FAS002-NO-006-RD	6 ZONE
FAS002-NO-008-RD	8 ZONE
FAS002-NO-010-RD	10 ZONE
FAS002-NO-012-RD	12 ZONE



## MANUAL RELEASE / ABORT UNIT

Operating Voltage : 2 Amps @ 28VDC

Code No	Function
FAS258-AB-28V	With Abort Function
FAS258-NAB-28V	W/O Abort Function



## APOLLO S65 SMOKE AND HEAT DETECTOR & BASE

Operating Voltage : 17 - 28 Volts

Code No	FAS-1B-55000-317
	FAS-1B-55000-122
	FAS-1B-45681-200 (Base)



## OPTICAL SMOKE DETECTOR

Operating Voltage : 17 - 28 Volts

Code No	FAS-EA-318-2



## HC RATE OF RISE HEAT DETECTOR

Operating Voltage : 24VDC

Code No	FASHC-306A



## BATTERY OPERATED SMOKE DETECTOR

Operated by : DC 9V Battery

Code No	FAS192-SD728



## DISCHARGE INDICATOR

Operating Voltage : 24 VDC

Code No	FAS251-24VDC-STD



## EXIT SIGN

Supply Voltage : 240VDC

Code No	FASKSB-15 (KELUAR)
	FASESB-15 (EXIT)
	FASEXS-DD (DOUBLE FACE EXIT SIGN)
	FASEXSG (SINGLE SIDE LED GREEN EXIT SIGN)



## SMOKE TESTER

Code No	FAS262-250S

# HFC 227ea GAS EXTINGUISHING SYSTEM



## APPLICATION AREA

Control rooms, Computer rooms, Telecommunication facilities, Libraries, Museums

## SYSTEM FEATURES

- No residual after discharge
- Electrical non conductive
- 25Bar operating pressure
- Effective for flammable liquids & solid combustible materials
- Optional: 42Bar operating pressure
- Design concentration 7%
- Suitable for occupied rooms
- Complete discharge time 10 sec

## DESIGN STANDARDS

Design, installation and inspection requirements are carried out according to NFPA 2001

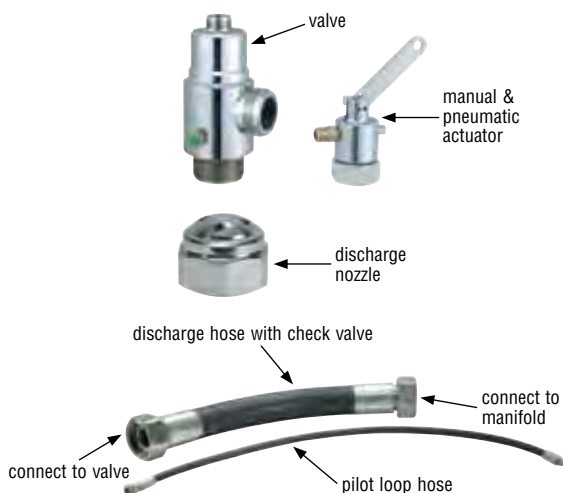
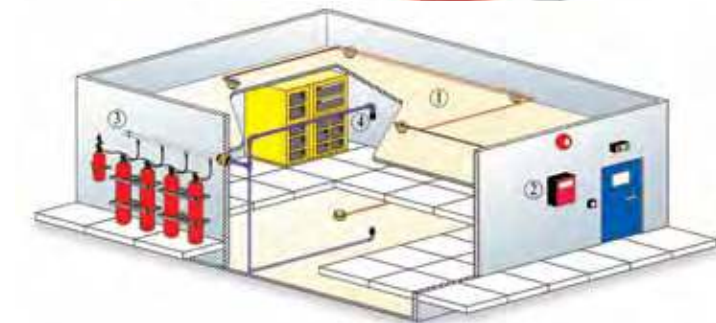
## EXTINGUISHING AGENT SPECIFICATION:

HFC 227ea is a clean agent as describe in NFPA 2001. It is a halocarbon chemical nomenclature Heptafluoroprapane.

SRI's HFC 227ea gas extinguishing agent is an Underwriters Laboratories (UL) recognized component and complies with NFPA Standard 2001.

Ozone Depletion Potential (ODP) : 0  
 Atmospheric Lifetime : 37 years  
 Global Warming Potential 100-year time horizon (CO<sub>2</sub> = 1.0) : 2900

Item	Part No	Description
1	SPS-1C-004-32L	CYLINDER 32L
	SPS-1C-004-52L	CYLINDER 52L
	SPS-1C-004-100L	CYLINDER 100L
	SPS-1C-004-120L	CYLINDER 120L
	SPS-1C-004-150L	CYLINDER 150L
	SPS-1C-004-180L	CYLINDER 180L
	SPS-1C-004-200L	CYLINDER 200L
2	SPS-1C-001-HVC40	VALVE CLEAN AGENT HVC 40
	SPS-1C-001-HVC60	VALVE CLEAN AGENT HVC 60
3	SPS-1C-003-MPAV	MANUAL & PNEUMATIC ACTUATOR
4	SPS-HFC-4318	PILOT LOOP 1/4" X 431.8MM
5	SPS-HFC-8636	PILOT LOOP 1/4" X 863.6MM
6	CO2054-CS-020-SP	PILOT CYLINDER WITH SOLENOID & GAUGE
7	SPS-1C-005-50MM	50MM DISCHARGE HOSE WITH CHECK VALVE
	SPS-1C-006-50MM	
	SPS-1C-005-65MM	65MM DISCHARGE HOSE WITH CHECK VALVE
	SPS-1C-006-65MM	
8	SPS-1C-007-15MM	15MM NOZZLE
	SPS-1C-007-20MM	20MM NOZZLE
	SPS-1C-007-25MM	25MM NOZZLE
9	CO2070-BR-XXX-XX	CO2 SOLENOID ACTUATOR 24DC-K VALVE



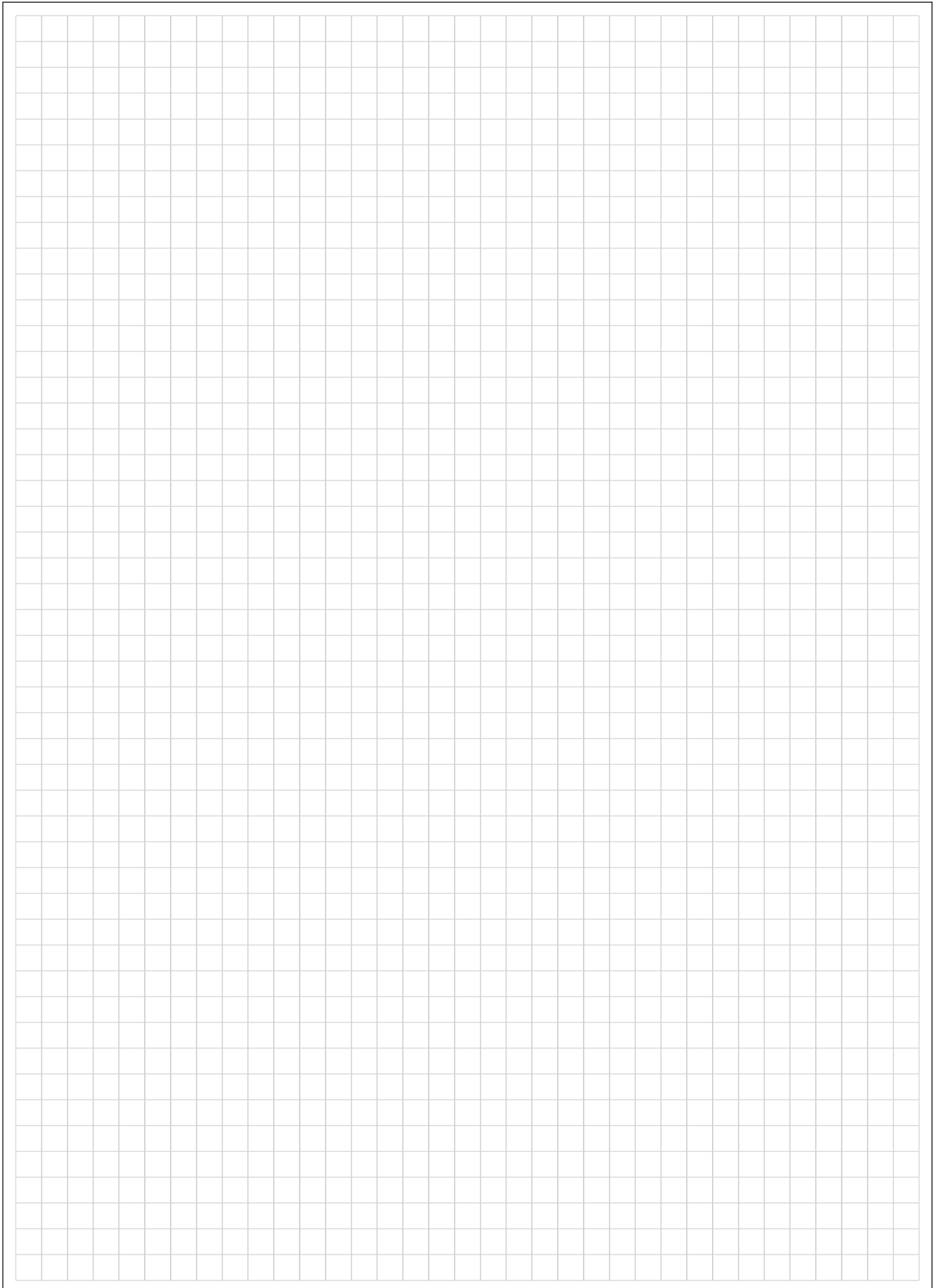
CYLINDER CAPACITY (LITRES)	VALVE	VALVE OUTLET SIZE	INTERNAL DIAMETER (MM)	HEIGHT FROM THE DEEPEST POINT TO BASE OF NECK RING (MM)
32L	HVC40	2" BSP	324 (12.8")	479
52L	HVC40	2" BSP	324 (12.8")	739
100L	HVC40	2" BSP	406 (16")	905
120L	HVC60	2-1/2" BSP	406 (16")	1070
150L	HVC60	2-1/2" BSP	406 (16")	1316
180L	HVC60	2-1/2" BSP	462 (18")	1215
200L	HVC60	2-1/2" BSP	462 (18")	1345





# NOTES

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Power Brand*



*Asia Pacific Super  
Excellent Brand*



**Steel Recon Industries Sdn. Bhd.**

No 8, Jalan Subang 7,  
Taman Perindustrian Subang,  
47610 Subang Jaya,  
Selangor Darul Ehsan, Malaysia.

**Tel** : +603-8023 2323  
**Fax** : +603-8023 2828

**Email** : international.sales@sri.com.my  
: local.sales@sri.com.my  
: spd@sri.com.my  
: info@sri.com.my

**Website** : www.sri.com.my  
**GPS Coordinates**: E 101° 35'30.8" N 3°2'4.3"

