

# CARLOS ARBOLES

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GENERAL CATALOGUE **2022**

## EMERGENCY SHOWERS AND EYEWASHES

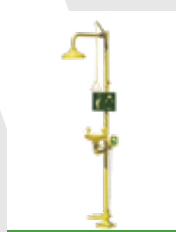


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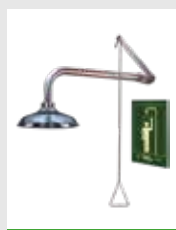
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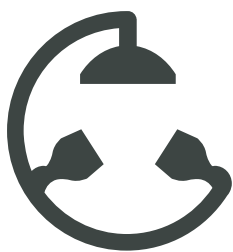
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Arboles has been manufacturing taps and fittings for a variety of applications since 1929. We currently specialise in two product lines:

- **EMERGENCY SHOWERS AND EYEWASHES**
- **TAP FITTINGS FOR LABORATORIES**



*CARLOS ARBOLES, S.A. is certified under ISO 9001, and all products manufactured in the company are produced under strict quality standards.*

We have supplied the international market with a full range of Emergency Equipment since 1976. This catalogue presents the current models.

The Emergency Showers and Eyewashes provide water instantly as FIRST AID to protect people exposed to: fire, acids, reagents, radioactive materials and other contaminants that could cause serious or irreparable harm.

This is the most inexpensive and effective method to date for decontamination.



# CARLOS ARBOLES

# CERTIFICATES

CARLOS ARBOLES, S.A. designs and manufactures Emergency Equipment to the current international standards to ensure user safety.

The requirements of these standards are, among others: the flow rate to be supplied by the Emergency Equipment, the distribution of the water pattern on the body, the dimensions of the installation, the operating elements, signage and accessibility aspects.

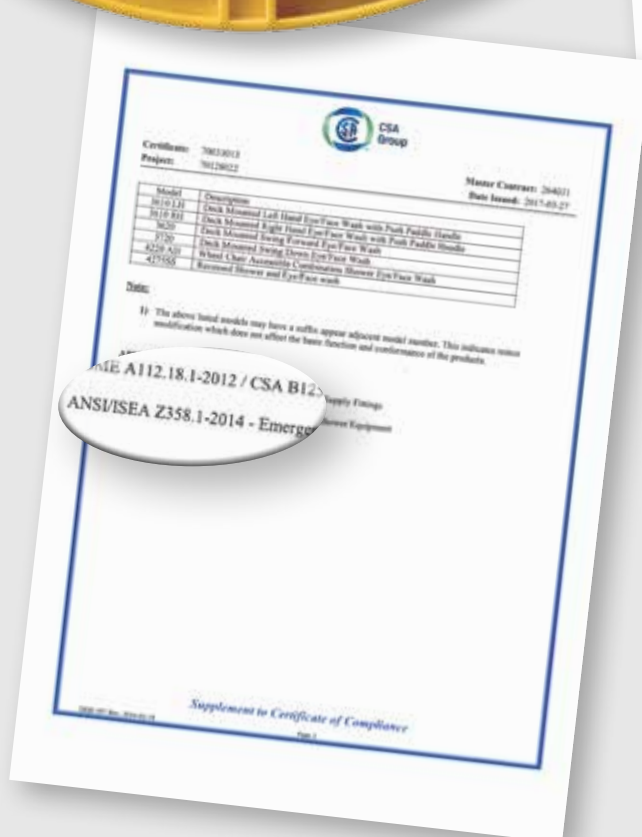


## EUROPEAN STANDARDS

The EN 15154 series of standards for Emergency Showers has been expanded in recent years with two new additions to the family to cover unanticipated application areas or those previously only covered by national standards:

- Parts 1 to 4 remain the same, covering Plumbed-in body showers for laboratories, Plumbed-in eyewashes, Non-plumbed-in body showers and Non-plumbed-in eyewashes respectively.
- Part 5, descended from DIN 12899-3, covers Plumbed-in body showers for sites other than Laboratories, and Non-plumbed-in overhead tanks or trailer-mounted showers. It incorporates the same DIN performance requirements and test methodology as in EN 15154 Parts 1 and 2.
- The new Part 6 covers Plumbed-in multiple nozzle body Showers.





American standard **ANSI/ISEA Z358.1-2014**  
for Emergency Showers and Eyewashes is  
recognised internationally.

# DESIGN AND MANUFACTURING



TECHNICAL DEPARTMENT CAD/CAM

*CARLOS ARBOLES, S.A. has its own  
Emergency Equipment design and  
manufacturing team that develops and  
innovates to improve its products.*



TEST LABORATORY

## DESIGN

Continuous improvement of our products and designs for special projects originate in the technical department through creation of designs using CAD tools and PROTOTYPING.

These prototypes are validated in our test LABORATORY. Rigorous mechanical and hydraulic tests are carried out in the laboratory, which guarantee functionality of the designs in emergency situations.



MECHANICAL TESTING



HYDRAULIC TESTING





CNC MACHINING

## MANUFACTURING

The manufacturing process uses high precision numerical control machining centres and lathes, designed specifically for production of taps and fittings. High-performance ovens heat the parts between 300 °C and 450 °C, to then immerse them in polyamide 11 powder tanks, where the powder is melted and adheres to the part. After the anti-corrosion coating process, the assembly line completes the manufacturing process with tests to ensure they are 100% leakproof. Throughout the process, the Quality department checks the manufacturing parameters.



PRODUCTS ARE 100% LEAK TESTED

NUMERIC CONTROL  
MACHINING



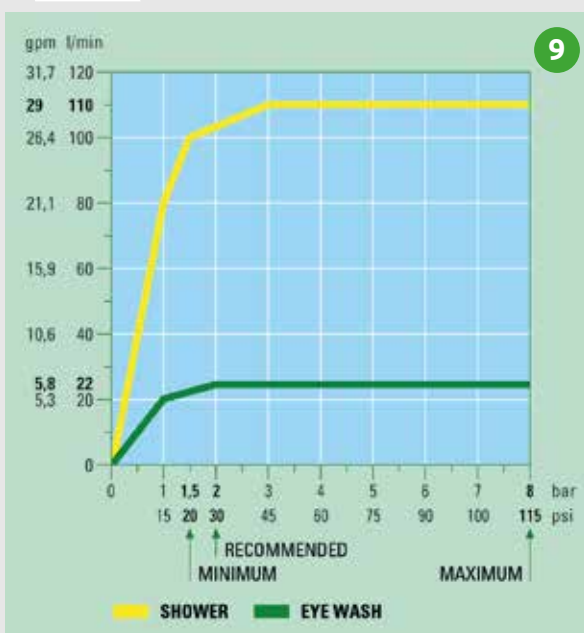
ANTI-CORROSIVE PLASTIC COATING

## TECHNICAL FEATURES



**CARLOS ARBOLES, S.A.**  
supplies high quality, reliable  
Showers and Eyewashes.

*The main technical features  
that differentiate our products  
are the following:*



## INTERNATIONAL STANDARDS

Our equipment meets or exceeds the  
following standards:

**ANSI Z358.1 and EN 15154**

### 1 HIGH QUALITY MATERIALS

Materials in contact with water are galvanised steel pipes, brass fittings and other parts in reinforced ABS plastic. Manufacturing equipment fully in stainless steel materials is an option.

### 2 ROBUST CONSTRUCTION

The base construction elements, as well as the components for securing the Emergency Equipment to the surface, are always metallic, resulting in robust equipment for the most adverse conditions.

### 3 SHOWER HEAD

- Water distribution pattern according to standards. Broad, gentle water spray.
- Large 250-mm diameter head, anti-clogging by lime scale or dirt.

### 4 FULL RANGE

We have a variety of models, depending on whether they are to be installed to WALL, FLOOR or TABLE. The equipment is supplied disassembled and its assembly is easy and unmistakable. We offer different activation types:

- Shower by pull rod or lever.
- Automatic opening and closing when entering and leaving the platform.
- Eyewash by push handle, foot control or platform.

### 5 EYEWASH ASSEMBLY

With one or two heads, these provide aerated, low pressure water to bathe face and eyes without damaging delicate eye tissues. The large diameter stream reaches a height of 15 cm according to the standard. The plastic materials and rounded shapes avoid damage to the eyes in case of accidental contact. They include an anti-dust cover that operates automatically when the Eyewash is activated.

### 6 ECOLOGICAL ANTI-CORROSIVE COATING

Anti-corrosion polyamide 11 HIGH VISIBILITY YELLOW plastic coating, 250 to 300 microns thick. It has good resistance to acids, bases, seawater, oils and to the elements in general.

The coating is not petroleum-based, but rather is based on a raw material originating from vegetable oil and therefore conserves the environment. We have a Chemical Resistance Table, which can be consulted on our website: [www.carlosarboles.com](http://www.carlosarboles.com).





## 7 ANTI SEIZE VALVE

Emergency Showers and Eyewashes are fitted with valves specifically designed for emergency use, meaning they do not become obstructed or seize after long periods of inactivity. Optimal results after more than 100,000 cycles.

## 8 TEMPERATURE PROTECTION

In order to prevent freezing or excess temperatures in the pipes, we offer different solutions:

- Automatic drain valves to prevent pipe freezing.
- Temperature protection valves, that create a bleed line when supply pipe temperatures are extreme.
- Thermostatic valve for tepid water supply.
- Electric trace heating.

## 9 FLOW RATE REGULATION

Our valves regulate the water flow, regardless of the inlet pressure. Showers are regulated at 110 l/min, and Eyewashes at 22 l/min. Recommended pressure 2 bar. Maximum pressure 4 or 8 bar depending on the equipment. Please notify us if your equipment is to operate at pressures below 1.5 bar.

## 10 HIGH-VISIBILITY SIGNAGE

Emergency Equipment is delivered with the following:

- A photoluminescent sign board, with a green background and white text. Dimensions: 210x297 mm
- Maintenance sheet and assembly instructions.
- Optionally, an ALARM may provide a visual and audible signal when the Equipment is operated.

# EMERGENCY SHOWERS AND EYEWASHES

SHOWER HEAD  
BOWL  
ABSSHOWER HEAD  
BOWL  
SS

MODELS

4220

4220 SS

Dual controls; shower pull rod,  
eyewash push handle.

4230

4230 SS

Dual controls; shower pull rod, eyewash  
push handle; includes spray unit Mod. 3000

## USE

In indoor or outdoor installations, the following models combine the Shower and Eyewash in one Emergency Unit, minimising the space required and using a single water inlet for both pieces of equipment.

## GENERAL FEATURES

### MATERIALS

Galvanised steel pipes.  
Brass fittings.

### COATING

Anti-corrosive polyamide 11 plastic in high visibility yellow.

### DOUBLE WATER INLET

G 1-1/4".

### WATER INLET PRESSURE

Recommended 2 bar. Minimum 1.5 bar. Maximum 8 bar.

### SHOWER OPERATION

Pull rod.

### SHOWER VALVE

1" full bore regulated at 110 l/min, instant opening and manual closing.

### EYEWASH OPERATION

Push handle.

### EYEWASH HEADS

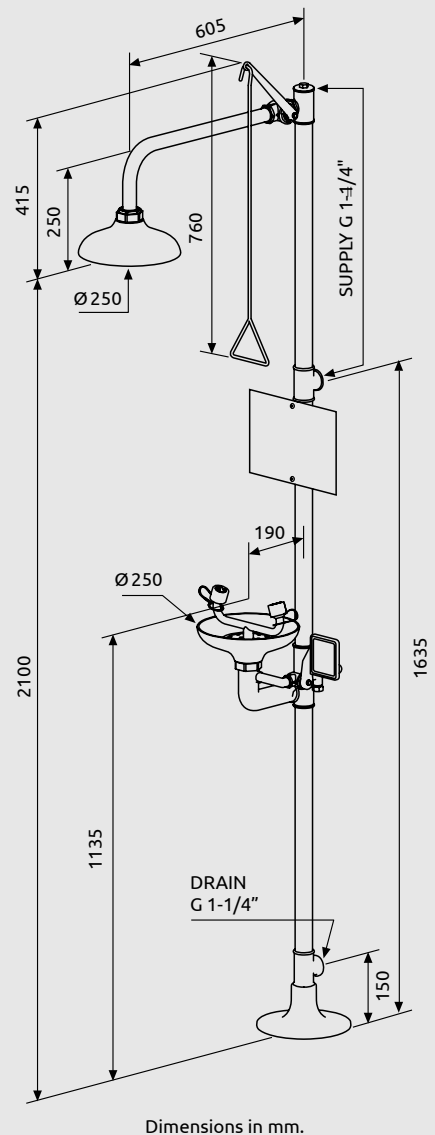
Two high-flow rate low pressure aerated water heads with automatic opening anti-dust cover.

### EYEWASH VALVE

1/2" full bore regulated at 22 l/min, instant opening and manual closing.



MOD. 4220



# F L O O R M O U N T I N G

|        | SHOWER HEAD<br>BOWL<br>ABS | SHOWER HEAD<br>BOWL<br>SS |                                                                                      |
|--------|----------------------------|---------------------------|--------------------------------------------------------------------------------------|
| MODELS | 4250                       | 4250 SS                   | Triple controls; shower pull rod, eyewash push handle and foot control               |
|        | 4255                       | 4255 SS                   | Shower pull rod, eyewash push handle and foot control; includes spray unit Mod. 3000 |



MOD. 4230 SS



MOD. 4250



# EMERGENCY SHOWERS AND EYEWASHES

| MODELS | ABS HEAD | SS HEAD | Dual controls; shower pull rod, eyewash push handle, without bowl |
|--------|----------|---------|-------------------------------------------------------------------|
|        | 4260     | 4260 SS |                                                                   |

## USE

*In indoor or outdoor installations, the following models combine the Shower and Eyewash in one Emergency Unit, minimising the space required and using a single water inlet for both pieces of equipment.*

## GENERAL FEATURES

### MATERIALS

Galvanised steel pipes.  
Brass fittings.

### COATING

Anti-corrosive polyamide 11 plastic in high visibility yellow.

**DOUBLE WATER INLET**  
G 1-1/4".

**WATER INLET PRESSURE**  
Recommended 2 bar. Minimum 1.5 bar. Maximum 8 bar.

**SHOWER OPERATION**  
Pull rod.

**SHOWER VALVE**  
1" full bore regulated at 110 l/min, instant opening and manual closing.

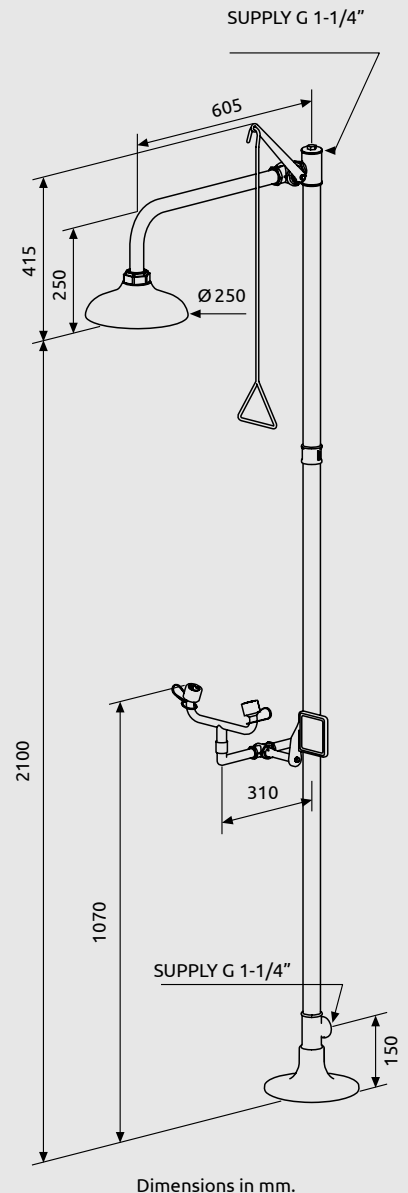
**EYEWASH OPERATION**  
Push handle.

**EYEWASH HEADS**  
Two high-flow rate low pressure aerated water heads with automatic opening anti-dust cover.

**EYEWASH VALVE**  
1/2" full bore regulated at 22 l/min, instant opening and manual closing.



MOD. 4260



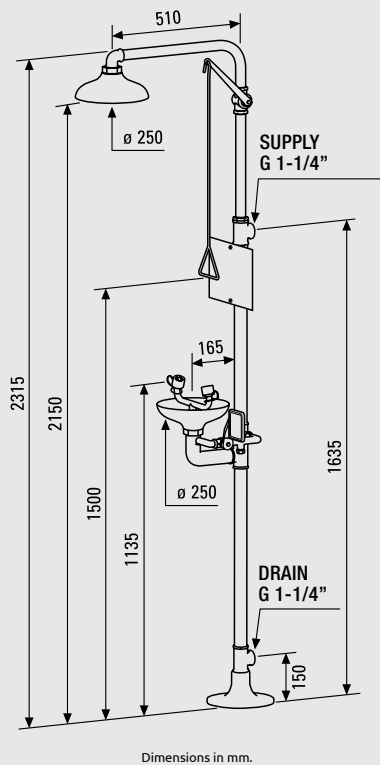
## REDUCED HEIGHT

|        |         |                                                                                                |
|--------|---------|------------------------------------------------------------------------------------------------|
| MODELS | 4221    | Dual controls; shower pull rod, eyewash push handle, ABS head/bowl. Reduced height             |
|        | 4221 SS | Dual controls; shower pull rod, eyewash push handle, stainless steel head/bowl. Reduced height |



MOD. 4221

Emergency equipment specifically designed for installations with a height limitation



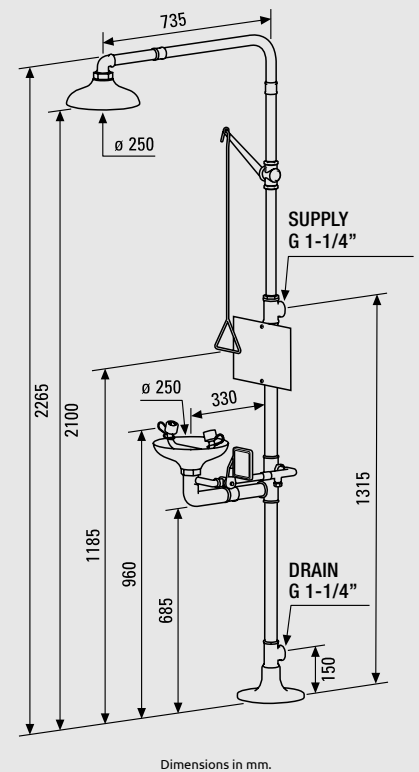
## REDUCED MOBILITY

|        |         |                                                                                                  |
|--------|---------|--------------------------------------------------------------------------------------------------|
| MODELS | 4225    | Dual controls; shower pull rod, eyewash push handle, ABS head/bowl. Reduced mobility             |
|        | 4225 SS | Dual controls; shower pull rod, eyewash push handle, stainless steel head/bowl. Reduced mobility |



MOD. 4225

Emergency equipment specifically designed for users with disabilities or reduced mobility



# EMERGENCY SHOWERS AND EYEWASHES

## WALL MOUNTED USE

*In indoor or outdoor installations, the models combine the Shower and Eyewash in one Emergency Unit, minimising the space required.*

## RECESSED USE

*In indoor installations, the Emergency Equipment is set into the wall. Operation of the Emergency Shower starts when the pull rod is pulled down and the Eyewash starts when the cabinet door is opened.*

## GENERAL FEATURES

### MATERIALS

*Galvanised steel pipes.  
Brass fittings.*

### COATING

*Anti-corrosion polyamide 11 plastic in high visibility yellow.*

### WATER INLET

*G 1".*

### WATER INLET PRESSURE

*Recommended 2 bar. Minimum 1.5 bar. Maximum 8 bar.*

### WATER INLET PRESSURE

**MOD. 4275**

*3 bar.*

### SHOWER OPERATION

*Pull rod or cabinet lever.*

### SHOWER VALVE

*1" full bore regulated at 110 l/min, instant opening and manual closing.*

### EYE WASH OPERATION

*Push handle or cabinet door opening.*

### EYEWASH HEADS

*Two high-flow rate low pressure aerated water heads with automatic opening anti-dust cover.*

### EYEWASH VALVE

*1/2" full bore regulated at 22 l/min, instant opening and manual closing.*

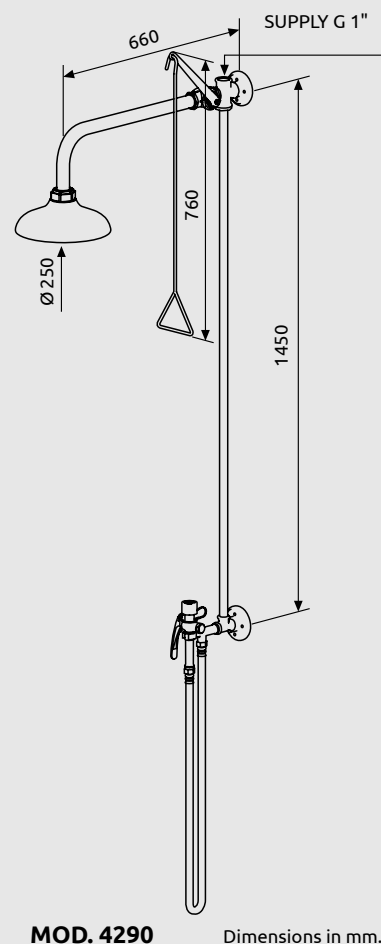
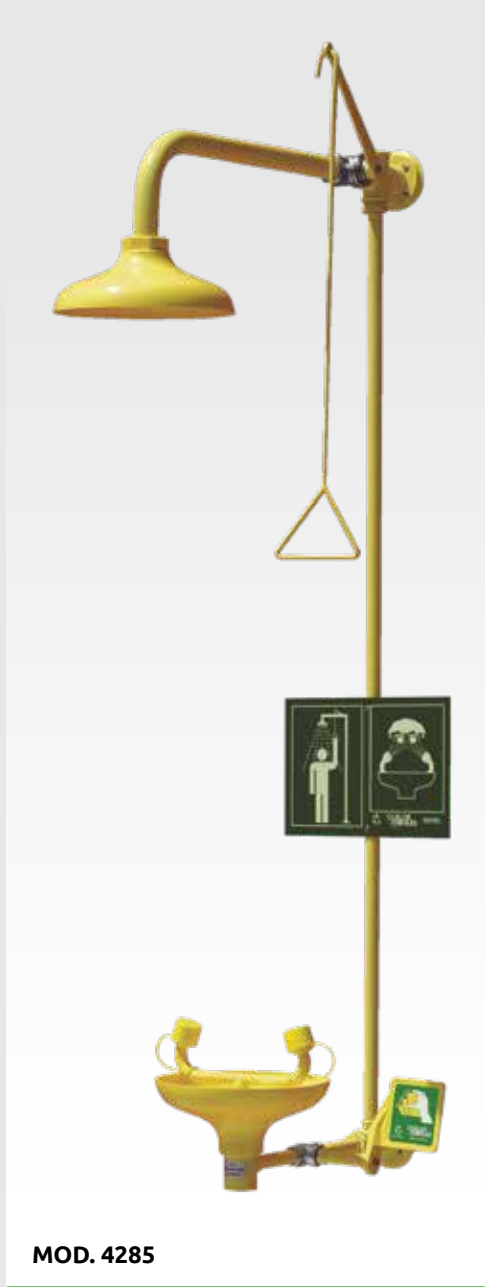
### EYEWASH VALVE MOD. 4275

*Flow rate 20 l/min at 3 bar, instant opening and manual closing.*

### INSTALLATION

*See page 46 for mounting height.*

| MODELS | ABS HEAD | SS HEAD |                                                                   |
|--------|----------|---------|-------------------------------------------------------------------|
|        | 4280     | 4280 SS | Dual controls; shower pull rod, eyewash push handle, without bowl |
|        | 4285     | 4285 SS | Dual controls; shower pull rod, eyewash push handle, with bowl    |
|        | 4290     | 4290 SS | Dual controls; shower pull rod, drench hose eyewash               |
|        | 4295     | 4295 SS | Dual controls; shower pull rod, drench hose double eyewash        |



ABS HEAD

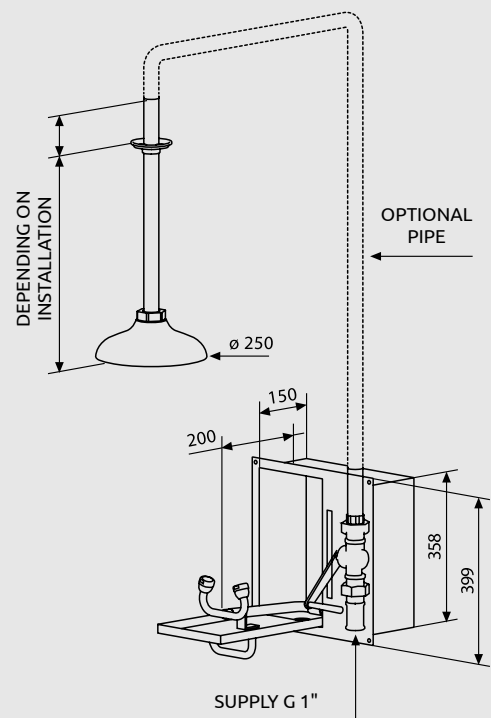
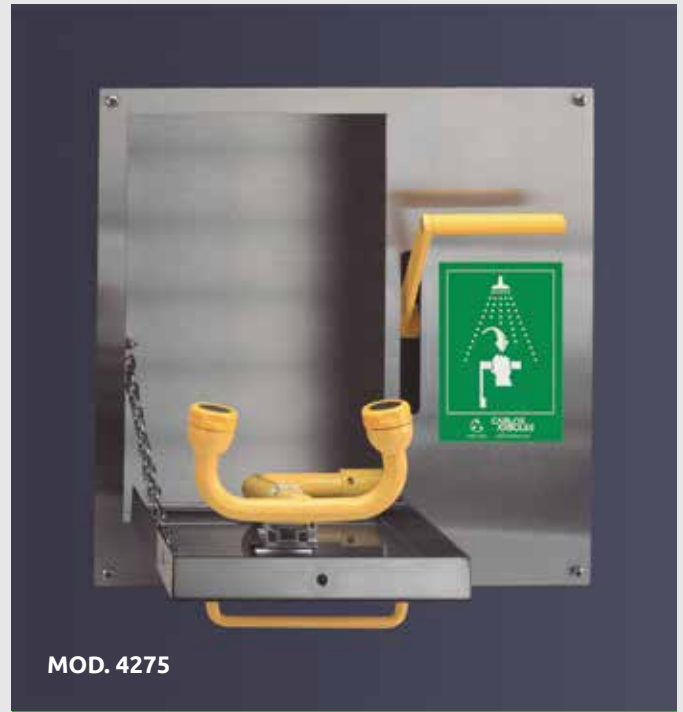
SS HEAD

MODEL

4275

4275 SS

Recessed shower and eyewash with dual control, shower lever, eyewash housing opening



Dimensions in mm.



# EMERGENCY EYEWASH

|        | ABS BOWL | SS BOWL |                                   |
|--------|----------|---------|-----------------------------------|
| MODELS | 2210     | 2210 SS | Wall-mount eyewash                |
|        | 2230     | 2230 SS | Eyewash with spray unit Mod. 3000 |
|        | 3510     |         | Eyewash without bowl              |
|        | 3820     |         | Swing-down eyewash without bowl   |

## USE

For indoor or outdoor installations we have a specific line of Eyewashes with different models depending on their mounting and operation.

## GENERAL FEATURES

### MATERIALS

Galvanised steel pipes.  
Brass fittings.

### COATING

Anti-corrosion polyamide 11 plastic in high visibility yellow.

### WATER INLET

G 1/2".

### WATER INLET PRESSURE

Recommended 2 bar. Minimum 1.5 bar. Maximum 8 bar.

### WATER INLET PRESSURE

MOD. 3820

3 bar.

### EYE WASH OPERATION

Push handle, foot control or rotation.

### EYEWASH HEADS

Two high-flow rate low pressure aerated water heads with automatic opening anti-dust cover.

### EYEWASH VALVE

1/2" full bore regulated at 22 l/min, instant opening and manual closing.

### EYEWASH VALVE MOD. 3820

Flow rate 20 l/min at 3 bar, instant opening and manual closing.

### INSTALLATION

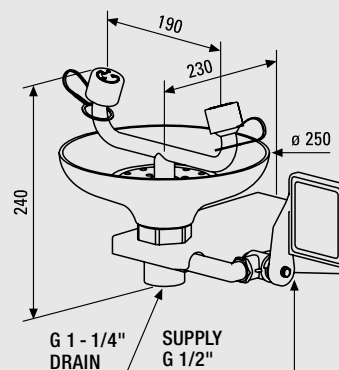
See page 46 for mounting height.



MOD. 2210



MOD. 3510



Dimensions in mm.



MOD. 3820

# FLOOR MOUNTING

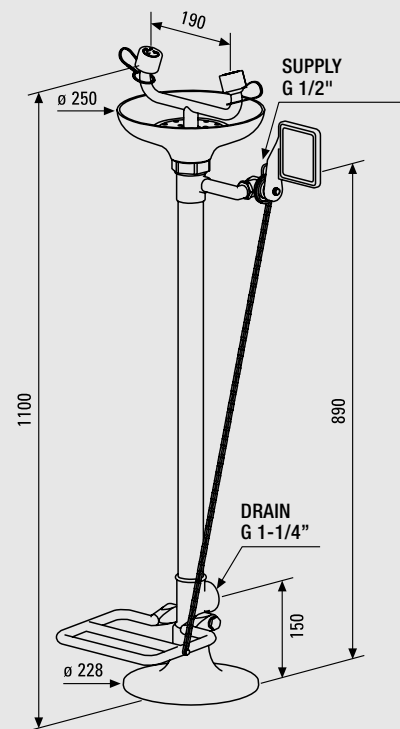
|        | ABS BOWL | SS BOWL |                                                |
|--------|----------|---------|------------------------------------------------|
| MODELS | 2220     | 2220 SS | Eyewash                                        |
|        | 2240     | 2240 SS | Eyewash with spray unit Mod. 3000              |
|        | 2710     | 2710 SS | Dual-control eyewash, push handle/foot control |



**MOD. 2710**



**MOD. 2220**



Dimensions in mm.

# EMERGENCY EYEWASH

## T A B L E M O U N T I N G

|        | ABS BOWL | SS BOWL |                          |
|--------|----------|---------|--------------------------|
| MODELS | 2212     | 2212 SS | Eyewash                  |
|        |          | 2215 SS | Eyewash built into table |

### USE

Series of Eyewashes specially designed for installation in laboratories, directly on the work table.

### GENERAL FEATURES

#### MATERIALS

Galvanised steel pipes.  
Brass fittings.

#### COATING

Anti-corrosion polyamide 11 plastic in high visibility yellow.

#### WATER INLET

G 1/2".

#### WATER INLET PRESSURE

Recommended 2 bar. Minimum 1.5 bar. Maximum 8 bar.

#### WATER INLET PRESSURE

MOD. 3620-3720

3 bar.

#### EYE WASH OPERATION

Push handle, push button or rotation.

#### EYEWASH HEADS

Two high-flow rate low pressure aerated water heads with automatic opening anti-dust cover.

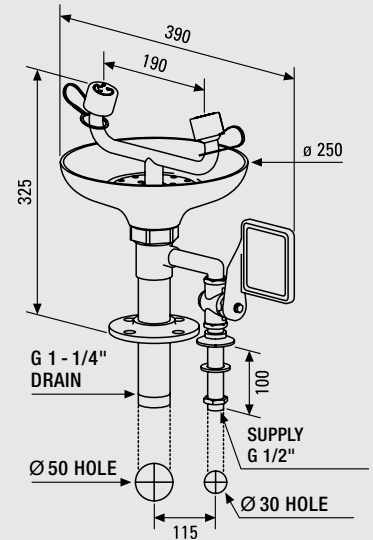
#### EYEWASH VALVE

1/2" full bore regulated at 22 l/min, instant opening and manual closing.

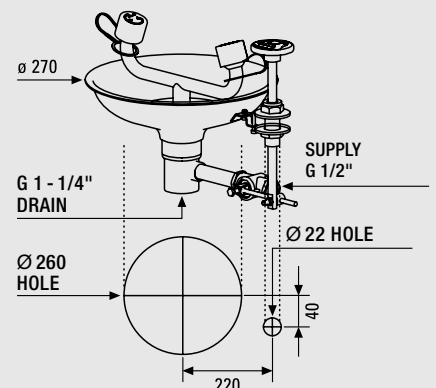
#### EYEWASH VALVE

MOD. 3620-3720

Flow rate 20 l/min at 3 bar, instant opening and manual closing.

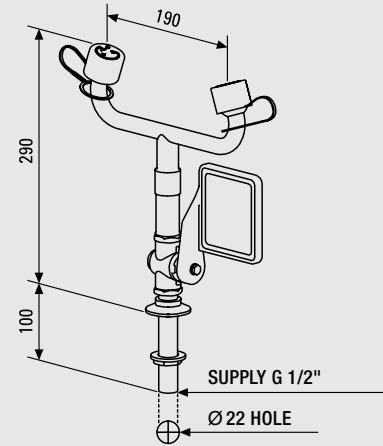


Dimensions in mm.

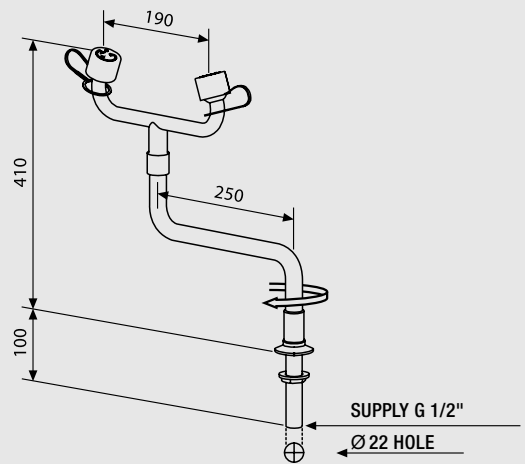


Dimensions in mm.

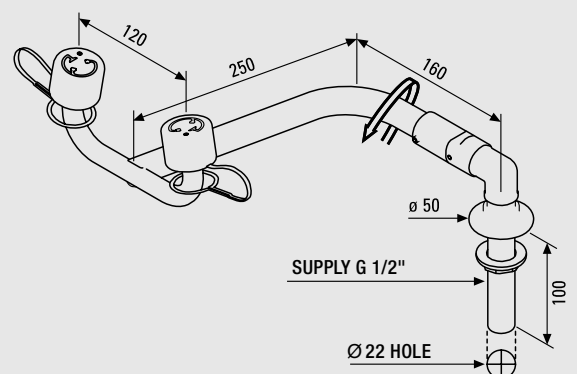
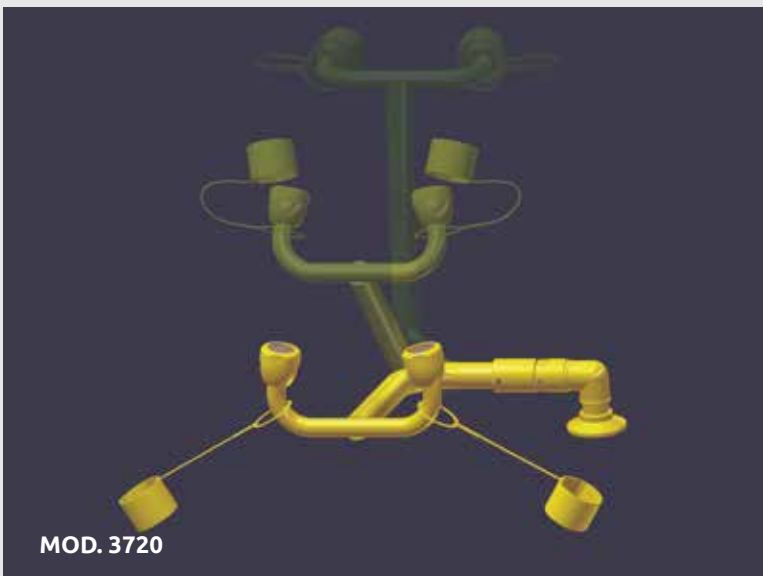
|        |      |                                             |
|--------|------|---------------------------------------------|
| MODELS | 3500 | <i>Eyewash</i>                              |
|        | 3620 | <i>Swivel eyewash, 90° turn opening</i>     |
|        | 3720 | <i>Swing-down eyewash, 90° turn opening</i> |



Dimensions in mm.



Dimensions in mm.



Dimensions in mm.



# EMERGENCY EYEWASH

|        |      |                                                       |
|--------|------|-------------------------------------------------------|
| MODELS | 3000 | Wall-mount eyewash with one head                      |
|        | 3100 | Wall-mount eyewash with one head and support bracket  |
|        | 3110 | Wall-mount eyewash with dual head and support bracket |

## DRENCH HOSE EYEWASH USE

Manual Eyewashes with 1.5 m flexible hose and one or two high-flow rate low pressure aerated water heads. These are intended for industry, laboratories, schools, etc.

## RECESSED USE

In indoor installations, the Emergency Equipment is set into the wall. The Emergency Eyewash starts to operate when the stainless steel box is opened.

## GENERAL FEATURES

### MATERIALS

Stainless steel flexible hose.  
Brass fittings.

### COATING

Anti-corrosion polyamide 11 plastic in high visibility yellow.

### WATER INLET

G 1/2".

### WATER INLET PRESSURE

Recommended 2 bar. Minimum 1.5 bar. Maximum 8 bar.

### WATER INLET PRESSURE

MOD. 2275

3 bar.

### EYE WASH OPERATION

By lever or cabinet door opening.

### EYEWASH HEADS

One or two high-flow rate low pressure aerated water heads with automatic opening anti-dust cover.

### EYEWASH VALVE

Regulated at 15 l/min (one spray head) or 22 l/min (two spray heads), instant opening and manual closing.

### EYEWASH VALVE

MOD. 2275

Flow rate 20 l/min at 3 bar, instant opening and manual closing.



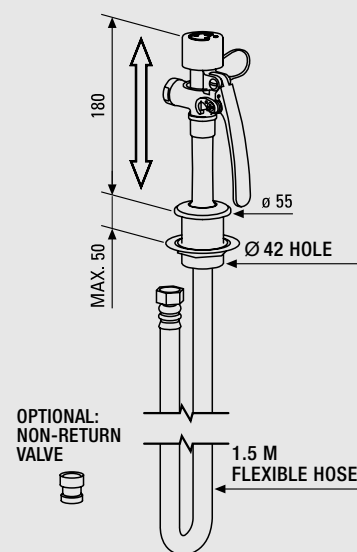
MOD. 3100



MOD. 190030



MOD. 3120



Dimensions in mm.

## DRENCH HOSE EYEWASHES

## RECESSED MOUNTING

|        |        |                              |
|--------|--------|------------------------------|
| MODELS | 3120   | Table eyewash with one head  |
|        | 3130   | Table eyewash with twin head |
|        | 190030 | Optional non-return valve    |

|      |                    |
|------|--------------------|
| 2275 | Wall-mount eyewash |
|------|--------------------|



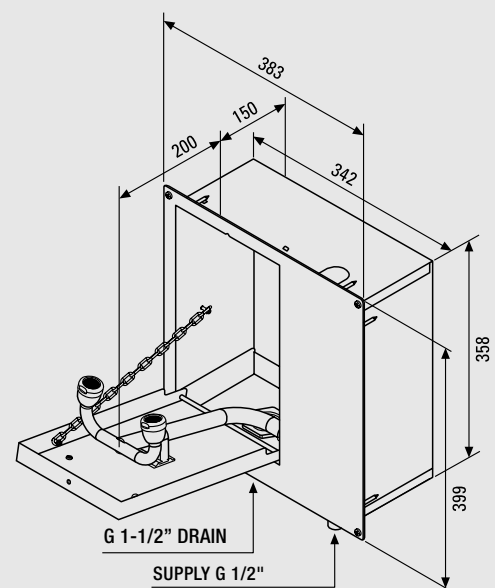
**MOD. 3000**



**MOD. 2275**



**MOD. 3130**



Dimensions in mm.

# EMERGENCY SHOWERS

| MODELS | ABS HEAD | SS HEAD | Pedestal shower |
|--------|----------|---------|-----------------|
|        | 1120     | 1120 SS |                 |

## USE

*In indoor or outdoor installations the Emergency Showers are operated by pulling down the pull rod.*

## GENERAL FEATURES

### MATERIALS

*Galvanised steel pipes.  
Brass fittings.*

### COATING

*Anti-corrosive polyamide 11 plastic in high visibility yellow.*

### WATER INLET

*G 1" or G 1-1/4".*

### WATER INLET PRESSURE

*Recommended 2 bar.  
Minimum 1.5 bar. Maximum 8 bar.*

### SHOWER OPERATION

*Pull rod.*

### SHOWER VALVE

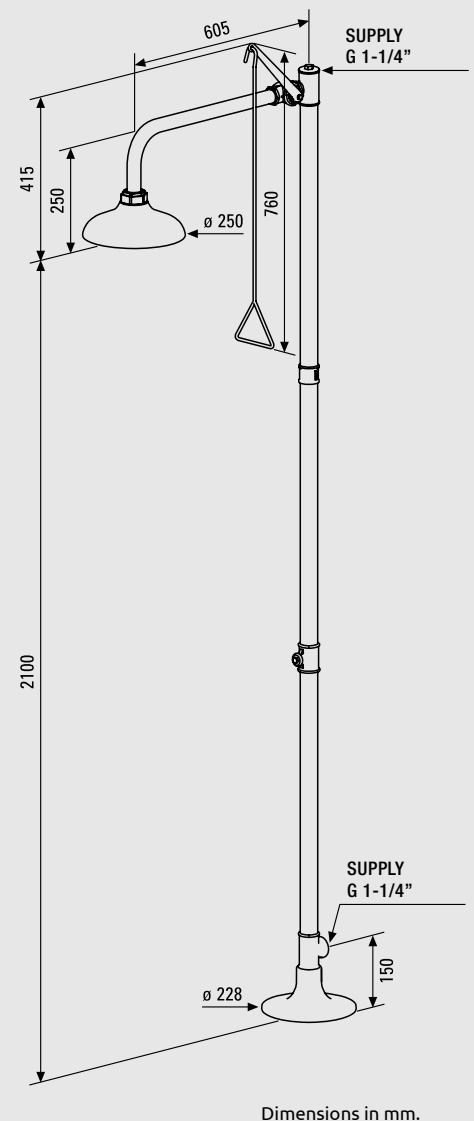
*1" full bore regulated at 110 l/min, instant opening and manual closing.*

### INSTALLATION

*See page 46 for mounting height.*



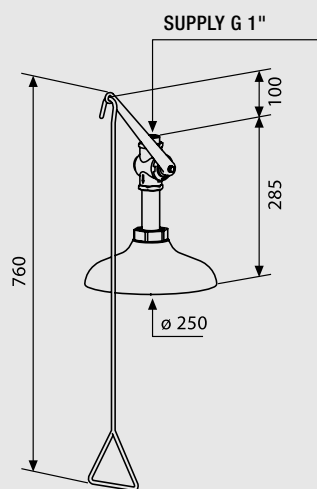
MOD. 1120



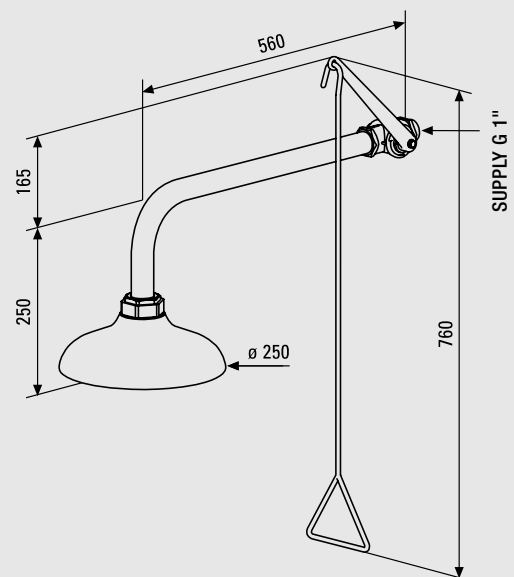
| MODELS | ABS HEAD | SS HEAD | Vertical shower |
|--------|----------|---------|-----------------|
|        | 1100     | 1100 SS |                 |



| MODELS | ABS HEAD | SS HEAD | Horizontal shower |
|--------|----------|---------|-------------------|
|        | 1110     | 1110 SS |                   |



Dimensions in mm.



Dimensions in mm.



## EMERGENCY SHOWERS

|        | ABS HEAD | SS HEAD |                                      |
|--------|----------|---------|--------------------------------------|
| MODELS | 1141     | 1141 SS | Emergency shower, right-hand control |
|        | 1142     | 1142 SS | Emergency shower, left-hand control  |

### OVER DOOR USE

The Emergency Showers are installed above a door or emergency exit in indoor installations.

### RECESSED MOUNTING

In indoor installations, the Emergency Equipment is set into the wall. The Emergency Shower starts operating when the lever is pulled down.

### GENERAL FEATURES

#### MATERIALS

Galvanised steel pipes.  
Brass fittings.

#### COATING

Anti-corrosive polyamide 11 plastic in high visibility yellow.

#### WATER INLET

G 1".

#### WATER INLET PRESSURE

Recommended 2 bar.  
Minimum 1.5 bar. Maximum 8 bar.

#### SHOWER OPERATION

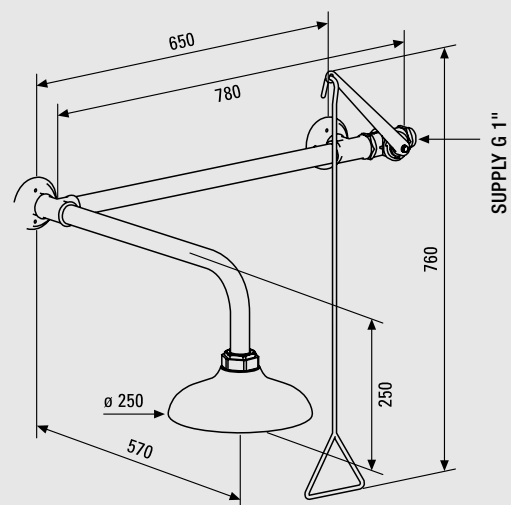
Pull rod or cabinet lever.

#### SHOWER VALVE

1" full bore regulated at 110 l/min, instant opening and manual closing.

#### INSTALLATION

See page 46 for mounting height.

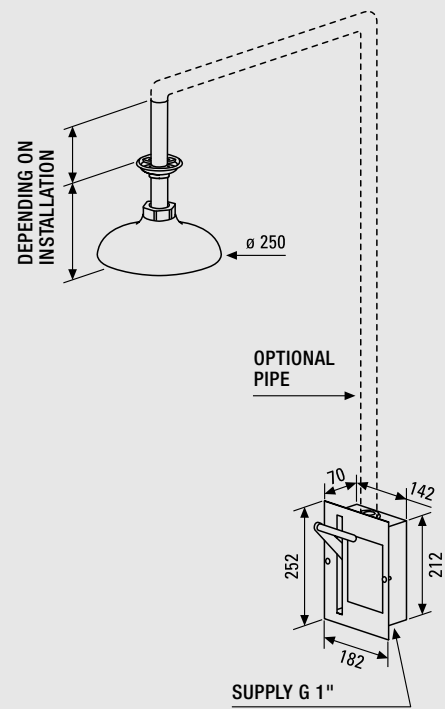


Dimensions in mm.

| MODELS | ABS HEAD | SS HEAD | Recessed shower |
|--------|----------|---------|-----------------|
|        | 1275     | 1275 SS |                 |



MOD. 1275



Dimensions in mm.

# STAINLESS STEEL SHOWERS AND EYEWASHES

|        |         |                                                                       |
|--------|---------|-----------------------------------------------------------------------|
| MODELS | 4220 TI | Shower pull rod, eyewash push handle, floor mounting                  |
|        | 4250 TI | Shower pull rod, eyewash push handle and foot control, floor mounting |
|        | 4260 TI | Shower pull rod, eyewash push handle without bowl, floor mounting     |
|        | 4285 TI | Shower pull rod, eyewash push handle, wall mounting                   |

## USE

Series of Emergency Showers and Eyewashes constructed entirely in stainless steel for installation in food industries, nuclear power, etc.

The models combine the Shower and Eyewash, minimising the space required and using a single water inlet for the two items of equipment.

## GENERAL FEATURES

### MATERIALS

Stainless steel pipes and fittings.

### WATER INLET

G 1" or G 1-1/4".

### WATER INLET PRESSURE

Recommended 2 bar. Minimum 1.5 bar. Maximum 8 bar.

### SHOWER OPERATION

Pull rod.

### SHOWER VALVE

1" full bore regulated at 110 l/min, instant opening and manual closing.

### EYEWASH OPERATION

Push handle or foot control.

### EYEWASH VALVE

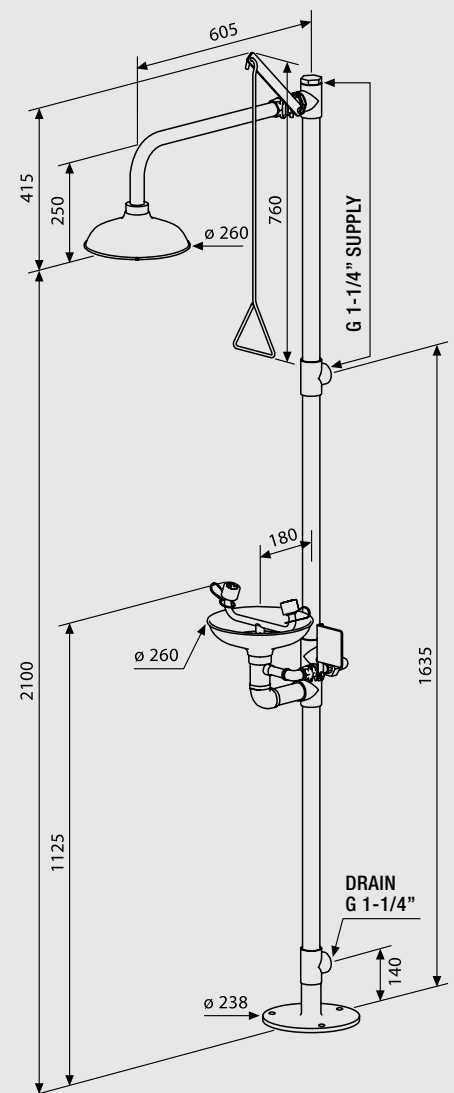
1/2" full bore regulated at 22 l/min, instant opening and manual closing.

### INSTALLATION

See page 46 for mounting height.



MOD. 4220 TI



Dimensions in mm.

|        |            |                                                                                                                |
|--------|------------|----------------------------------------------------------------------------------------------------------------|
| MODELS | 4250 HS DC | Shower pull rod, eyewash handle and foot control, floor mounting, all in 316 stainless steel, with eyewash lid |
|        | 1100 TI    | Vertical shower, ceiling mounting                                                                              |
|        | 1110 TI    | Horizontal shower, wall mounting                                                                               |
|        | 1120 TI    | Pedestal shower, floor mounting                                                                                |



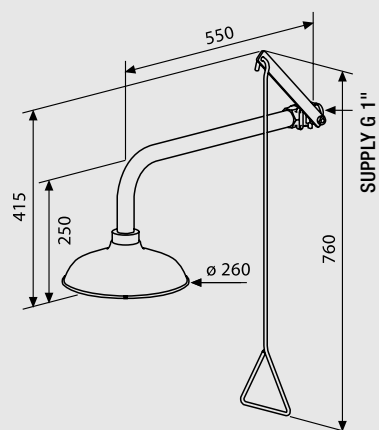
**MOD. 4250 HS DC**



**MOD. 1100 TI**



**MOD. 1110 TI**



Dimensions in mm.

# STAINLESS STEEL SHOWERS AND EYEWASHES

## USE

Series of Eyewashes and Emergency Platforms constructed entirely in stainless steel for installation in food industries, nuclear power, etc.

## GENERAL FEATURES

### MATERIALS

Stainless steel pipes and fittings.

### WATER INLET

G 1/2" (Eyewash) or  
G 1-1/4" (Platform).

### WATER INLET PRESSURE

Recommended 2 bar. Minimum  
1.5 bar. Maximum 8 bar  
(Eyewashes) or 4 bar (Platforms).

### PLATFORM VALVE

1-1/4", automatic opening and  
closing, automatic draining.

### SHOWER OPERATION

Platform or pull rod.

### SHOWER VALVE

1" full bore regulated at  
110 l/min, instant opening  
and manual closing.

### EYE WASH OPERATION

Push handle, foot control  
or platform.

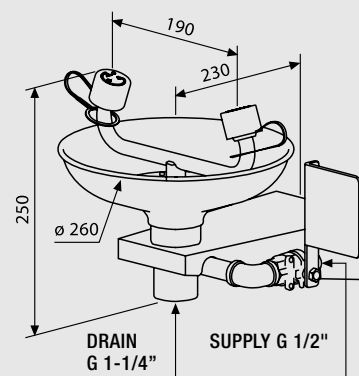
### EYEWASH VALVE

1/2" full bore regulated at  
22 l/min, instant opening  
and manual closing.

### INSTALLATION

See page 46 for mounting height.

|        |         |                                              |
|--------|---------|----------------------------------------------|
| MODELS | 2210 TI | Wall-mount eyewash, with bowl                |
|        | 2220 TI | Pedestal eyewash, with bowl                  |
|        | 2710 TI | Pedestal eyewash, with bowl and foot control |
|        | 3510 TI | Wall-mount eyewash, without bowl             |



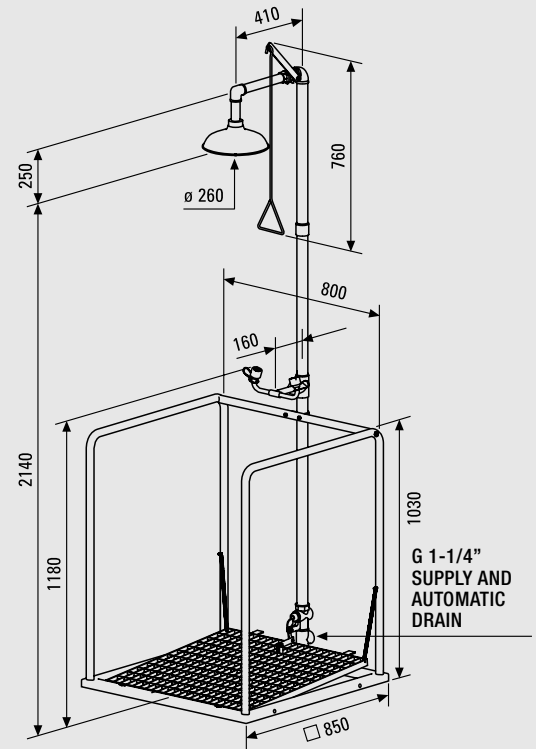
Dimensions in mm.



|        |         |                                                          |
|--------|---------|----------------------------------------------------------|
| MODELS | 4700 TI | Dual platform, shower and eyewash, independent operation |
|        | 4710 TI | Platform with shower                                     |
|        | 4720 TI | Platform with shower and eyewash, simultaneous operation |
|        | 4730 TI | Platform with shower and eyewash, independent operation  |
|        | 4750 TI | Platform with eyewash                                    |



MOD. 4730 TI



Dimensions in mm.

# SELF-DRAINING SHOWERS AND EYEWASHES

## USE

*In outdoor installations, the Platform Showers have valves that empty the pipes after operation. When a person stands on the platform, water rises through the pipe to the Shower or the Eyewash. When they step off the platform after use, all the water in the pipe goes down the automatic drain from the valves. The pipes, empty of water, then cannot freeze.*

## GENERAL FEATURES

### MATERIALS

*Galvanised steel pipes.  
Brass fittings.*

### COATING

*Anti-corrosion polyamide 11 plastic in high visibility yellow.*

### WATER INLET

*G 1/2" or G 1-1/4".*

### WATER INLET PRESSURE

*Recommended 2 bar. Minimum 1.5 bar.  
Maximum 4 bar.*

### PLATFORM VALVE

*Of 1-1/4", automatic opening and closing, automatic draining.*

### SHOWER OPERATION

*Platform or pull rod.*

### SHOWER VALVE

*1" full bore regulated at 110 l/min, instant opening and manual closing.*

### EYEWASH OPERATION

*Platform.*

### EYEWASH VALVE

*1/2" full bore regulated at 22 l/min, instant opening and manual closing, automatic draining.*

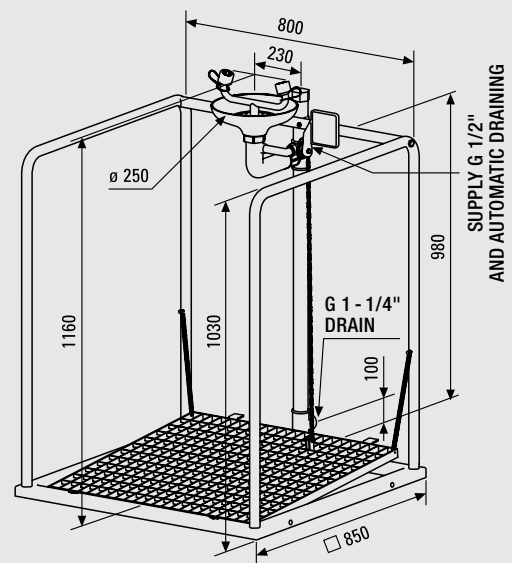
### EYEWASH HEADS

*Two high-flow rate low pressure aerated water heads with automatic opening anti-dust cover.*

| MODELS | ABS BOWL | SS BOWL | EYEWASH PLATFORM |
|--------|----------|---------|------------------|
|        | 4750     | 4750 SS |                  |



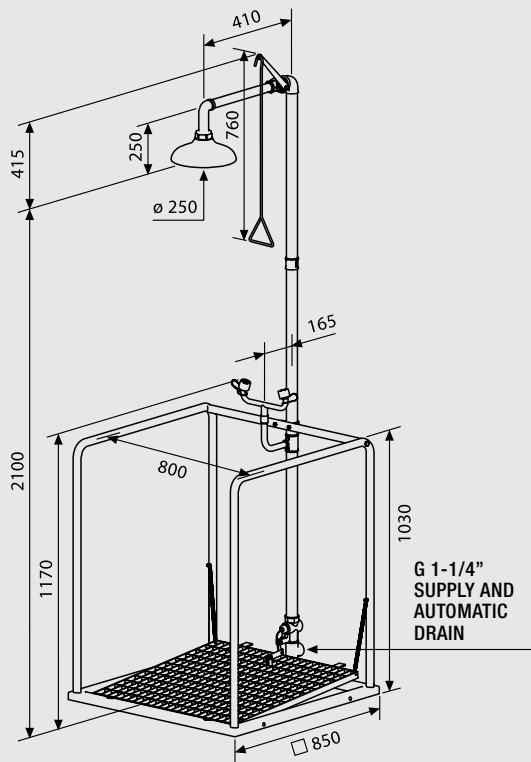
MOD. 4750



Dimensions in mm.

# PLATFORM SHOWERS AND EYEWASHES

| MODELS | ABS HEAD | SS HEAD |                                                                |
|--------|----------|---------|----------------------------------------------------------------|
|        | 4700     | 4700 SS | Dual platform, shower and eye wash unit, independent operation |
|        | 4720     | 4720 SS | Platform with shower and eyewash, simultaneous operation       |
|        | 4730     | 4730 SS | Platform with shower and eyewash, independent operation        |





# SELF-DRAINING SHOWERS AND EYEWASHES

SHOWER HEAD  
BOWL  
ABS

SHOWER HEAD  
BOWL  
SS

MODELS

4252

4252 SS

Simultaneous operation,  
foot control operation

4253

4253 SS

Independent operation, push handle  
for shower, eyewash foot control

## USE

In outdoor facilities, self-draining Showers have valves that empty the pipes after operation. Water rises up the pipe to the Shower or the Eyewash on pressing foot control or pushing the handle. When the Equipment is shut off after use, all the water in the pipe goes down the automatic drain from the valves. The pipes, empty of water, then cannot freeze.

## GENERAL FEATURES

### MATERIALS

Galvanised steel pipes. Brass fittings.

### COATING

Anti-corrosion polyamide 11 plastic in high visibility yellow.

### WATER INLET

G 1-1/4".

### WATER INLET PRESSURE

Recommended 2 bar. Minimum 1.5 bar. Maximum 8 bar.

### PLATFORM WATER INLET PRESSURE

4 bar.

### PLATFORM VALVE

1-1/4", automatic opening and closing, automatic draining.

### SHOWER OPERATION

Push handle, foot control or platform.

### SHOWER VALVE

1-1/4" full bore regulated at 110 l/min, instant opening and manual closing, automatic draining.

### EYE WASH OPERATION

Push handle or foot control.

### EYEWASH VALVE

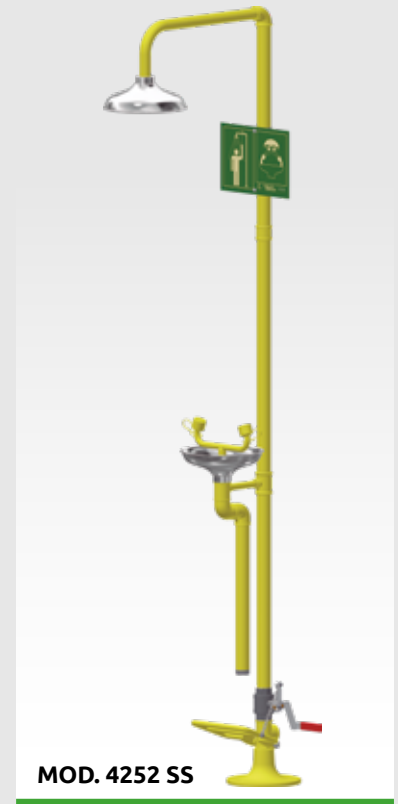
1/2" full bore regulated at 22 l/min, instant opening and manual closing.

### EYEWASH HEADS

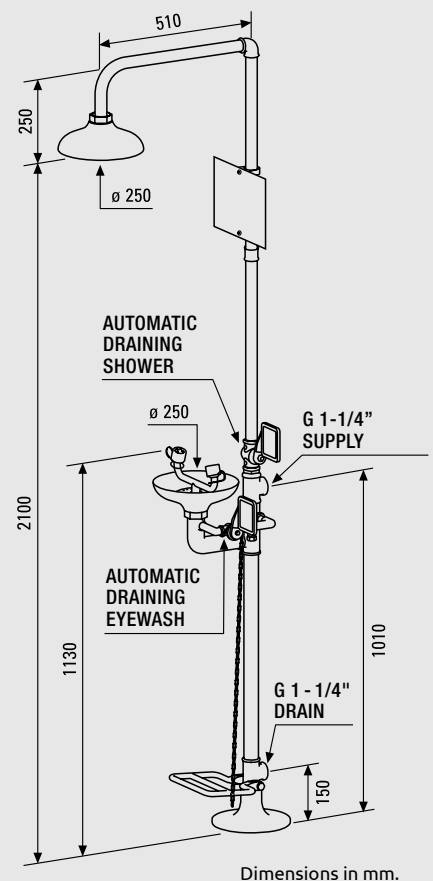
Two high-flow rate low pressure aerated water heads with automatic opening anti-dust cover.



MOD. 4253



MOD. 4252 SS



# P L A T F O R M S

MODELS

4710

Platform with shower, ABS head

4710 SS

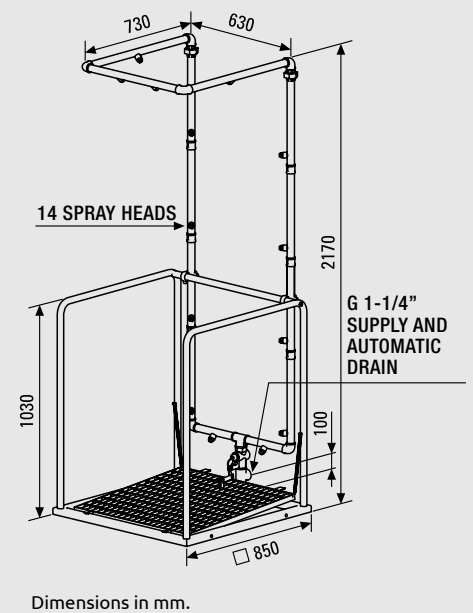
Platform with shower, stainless steel head

## DECONTAMINATION BOOTH

MOD.

4810

Platform with 14 spray heads





## SELF-DRAINING SHOWERS AND EYEWASHES

|        | ABS HEAD | SS HEAD    |                                |
|--------|----------|------------|--------------------------------|
| MODELS | 1120 FP  | 1120 FP/SS | Temperature protection shower  |
|        | 2220 FP  |            | Temperature protection eyewash |

### USE

*In outdoor facilities with extreme low or high temperatures. Floor mounting equipment uses underground valves with automatic draining. Wall supply to the equipment takes place from inside the building. When the lever is operated to put it into service, water passes through the pipe to the Shower or Eyewash. When the valve is shut off after use, all the water in the pipe goes down the automatic drain from the inlet valve. The pipes, empty of water, then cannot freeze.*

### GENERAL FEATURES

#### MATERIALS

*Galvanised steel pipes.  
Brass fittings.*

#### COATING

*Anti-corrosion polyamide 11 plastic in high visibility yellow.*

#### WATER INLET

*G 1/2", G 1" or G 1-1/4".*

#### WATER INLET PRESSURE

*Recommended 2 bar. Minimum 1.5 bar. Maximum 8 bar.*

#### SHOWER / EYEWASH OPERATION

*Push handle or pull rod.*

#### SHOWER VALVE

*1" or 1-1/4" full bore regulated at 110 l/min, instant opening and manual closing, automatic draining.*

#### EYEWASH HEADS

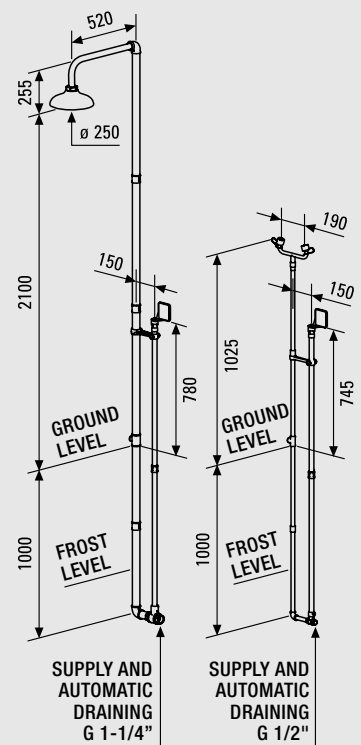
*Two high-flow rate low pressure aerated water heads with automatic opening anti-dust cover.*

#### EYEWASH VALVE

*1/2" full bore regulated at 22 l/min, instant opening and manual closing, automatic draining.*

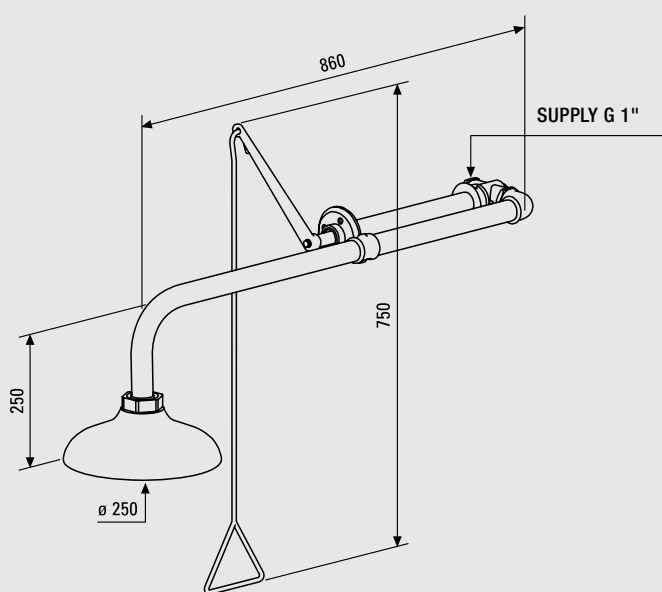
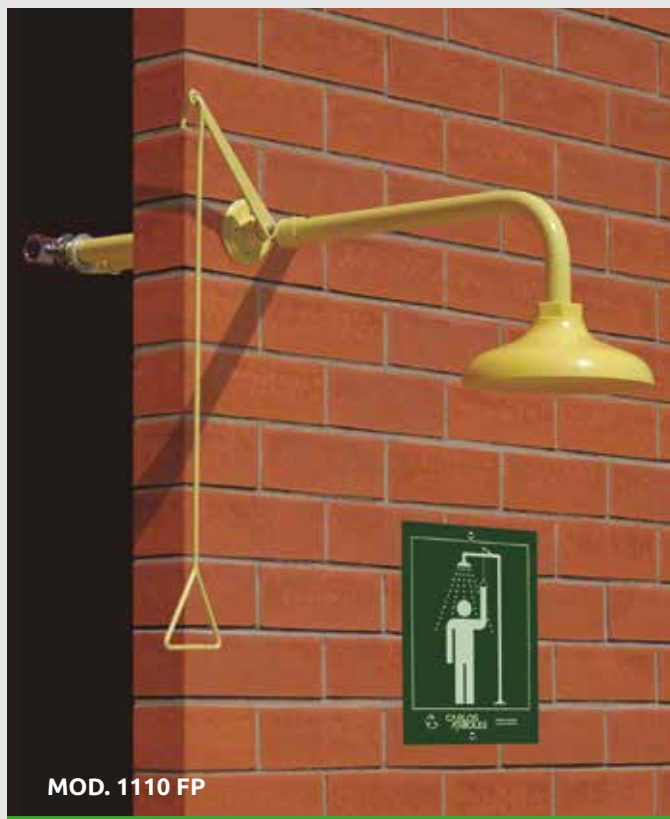
#### INSTALLATION

*See page 46 for mounting height.*

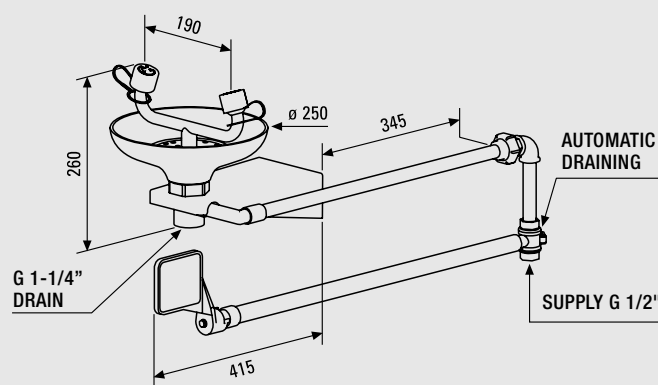


Dimensions in mm.

|        | ABS HEAD | SS HEAD    |                                |
|--------|----------|------------|--------------------------------|
| MODELS | 1110 FP  | 1110 FP/SS | Temperature protection shower  |
|        | 2210 FP  | 2210 FP/SS | Temperature protection eyewash |



Dimensions in mm.



Dimensions in mm.

# SELF-DRAINING SHOWERS AND EYEWASHES

## USE

*In outdoor facilities with extreme low or high temperatures.*

*Decontamination Booth operation is fully automatic when a person stands on the platform. The equipment uses valves underground with automatic draining. When a person enters, water rises through the pipe to the Shower or the Eyewashes. When they leave after use, all the water in the pipe goes down the automatic drain from the inlet valve. The pipes, empty of water, then cannot freeze.*

## GENERAL FEATURES

### MATERIALS

*Galvanised steel pipes.  
Brass fittings.*

### COATING

*Anti-corrosion polyamide 11 plastic in high visibility yellow.*

### WATER INLET

*G 1-1/4".*

### WATER INLET PRESSURE

*Recommended 2 bar. Minimum 1.5 bar. Maximum 4 bar.*

### PLATFORM VALVE

*1-1/4", automatic opening and closing, automatic draining.*

### SHOWER / EYE WASH OPERATION

*Pull rod, push handle or platform.*

### SHOWER VALVE

*1" full bore regulated at 110 l/min, instant opening and manual closing.*

### EYEWASH HEADS

*Two high-flow rate low pressure aerated water heads with automatic opening anti-dust cover.*

### EYEWASH VALVE

*1/2" full bore regulated at 22 l/min, instant opening and manual closing, automatic draining.*

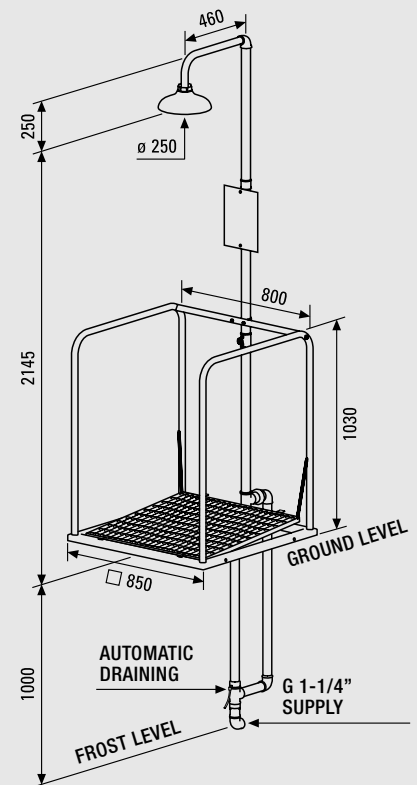
### INSTALLATION

*See page 46 for mounting height.*

| MODELS | SHOWER HEAD<br>BOWL<br>ABS | SHOWER HEAD<br>BOWL<br>SS |                                                          |
|--------|----------------------------|---------------------------|----------------------------------------------------------|
|        | 4710 FP                    | 4710 FP/SS                | Platform with shower                                     |
|        | 4720 FP                    | 4720 FP/SS                | Platform with shower and eyewash, simultaneous operation |
|        | 4730 FP                    | 4730 FP/SS                | Platform with shower and eyewash, independent operation  |
|        | 4750 FP                    |                           | Platform with eyewash without bowl                       |
|        | 4810 FP                    |                           | Platform with 14 spray heads                             |



MOD. 4710 FP



Dimensions in mm.



## MODELS

4222 FP

Shower and eyewash, simultaneous operation, ABS head

4222 FP/SS

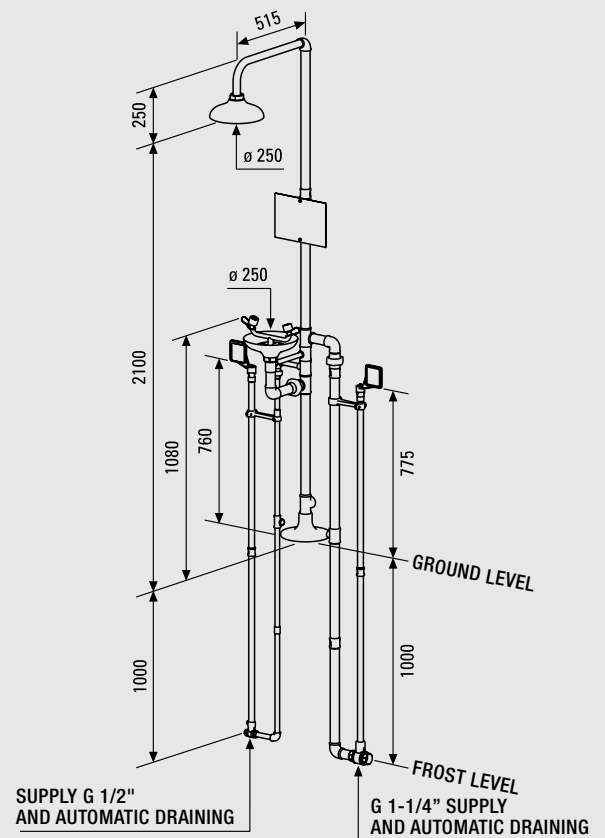
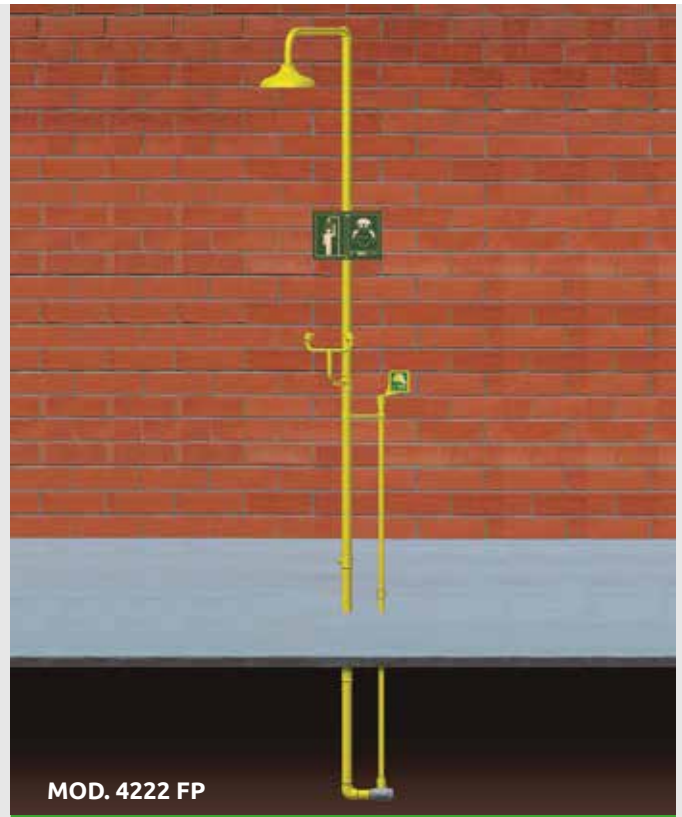
Shower and eyewash, simultaneous operation, stainless steel head

4223 FP

Shower and eyewashes, independent operation, ABS head/bowl

4223 FP/SS

Shower and eyewashes, independent operation, stainless steel head/bowl



# TANK-FED SHOWERS AND EYEWASHES

## USE

*The overhead tank-fed Emergency Equipment is designed to deliver water under gravity for 15 minutes, in accordance with the regulations, in a standalone manner when no water supply is guaranteed or the equipment is isolated from the closest supply point. And for environments with high or low temperatures, where the equipment has an underground tank, this is isolated from the ambient temperature and so needs no heating or cooling systems. The pipework drains automatically after use to prevent the water heating or freezing.*

## GENERAL FEATURES, OVERHEAD TANK

### TANK MATERIALS

*Stainless steel structure and pipes.*

### TANK CAPACITY

*1,500 litres.*

### WATER FILLING

*G 1".*

### INTEGRATED OVERFLOW SHOWER OPERATION

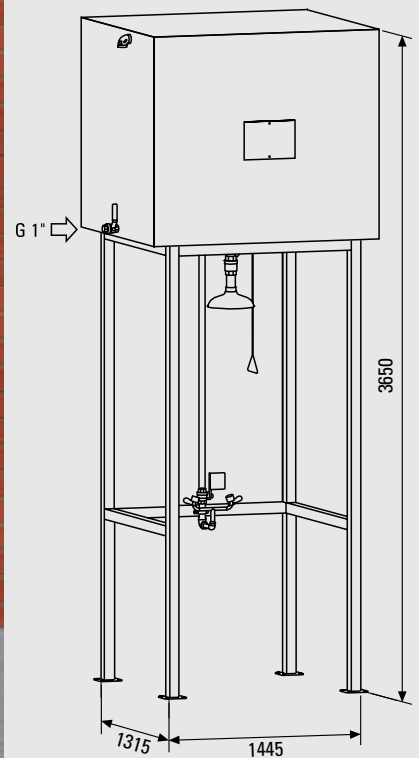
*Pull rod.*

### EYEWASH OPERATION

*Push handle.*

|        |            |                                                 |
|--------|------------|-------------------------------------------------|
| MODELS | 4820 TI/TS | Emergency shower and eyewash with overhead tank |
|        | 4830 TI/TS | Emergency shower with overhead tank             |

|        |        |   |   |   |   |   |                                                                                                           |
|--------|--------|---|---|---|---|---|-----------------------------------------------------------------------------------------------------------|
| MODELS | O      | P | T | I | O | N | S                                                                                                         |
|        | 196001 |   |   |   |   |   | Float valve for automatic tank filling                                                                    |
|        | 196002 |   |   |   |   |   | Side tank level sight glass indicator                                                                     |
|        | 196003 |   |   |   |   |   | Electric heater with adjustable thermostat for cold environments ( $T < 15^{\circ}\text{C}$ )             |
|        | 196004 |   |   |   |   |   | Thermal insulation for hot ( $T > 37^{\circ}\text{C}$ ) or cold ( $T < 15^{\circ}\text{C}$ ) environments |
|        | 196005 |   |   |   |   |   | Eyewash activation switch to send signal to control room                                                  |
|        | 196006 |   |   |   |   |   | Shower activation switch to send signal to control room                                                   |



Dimensions in mm.



|        |            |                                                                                |
|--------|------------|--------------------------------------------------------------------------------|
| MODELS | 4710 TS/FP | Platform shower with underground tank                                          |
|        | 4720 TS/FP | Shower and eyewash with platform with underground tank, simultaneous operation |
|        | 4730 TS/FP | Shower and eyewash with platform with underground tank, independent operation  |

## GENERAL FEATURES, UNDERGROUND TANK

### MATERIALS

Polyethylene tank. Platform shower in galvanised steel with polyamide 11 anti-corrosive coating. Brass fittings.

### WATER FILLING

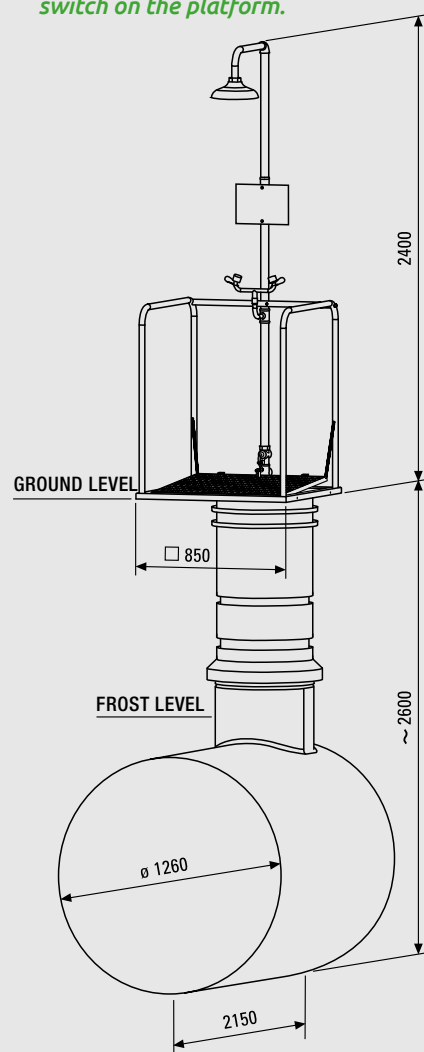
Large diameter oval lid.

### TANK CAPACITY

2,000 litres.

### ADJUSTABLE TANK DEPTH ELECTRICITY

Submersible pump, 230 V 1.5 kW.  
230 V/24 V control box with activation switch on the platform.



Dimensions in mm.



MOD. 4720 TS/FP

# TANK-FED SHOWERS AND EYEWASHES

## USE

The pressurised Emergency Eyewashes make it possible to provide protective measures where there is no guarantee of continuous water supply. With a total capacity of 50 l and pressurised with air to 6 bar, the heads deliver water for over 15 minutes.

## GENERAL FEATURES

### MATERIALS

Steel tank with anti-corrosive internal coating and high visibility yellow exterior paint.

### WATER INLET

Large, accessible filling point.

### PRESSURISED

Quick-fit air filler.

### WORKING PRESSURE

6 bar.

### SAFETY

Includes pressure relief valve and pressure gauge.

## EYEWASH

### MATERIALS

Eyewash head assembly in polyamide plastic-coated brass. Two low flow-rate water spray heads with automatic opening anti-dust cover.

### OPERATION

Push handle.

### VALVE

1/2" full bore.

## DRENCH SHOWER

### MATERIALS

Low flow -rate water spray heads with automatic opening anti-dust cover.

### OPERATION

Lever.

## MODELS

2820

Pressurised portable eyewash.  
Autonomous water supply (50 L)

2840

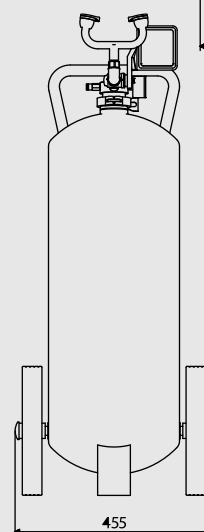
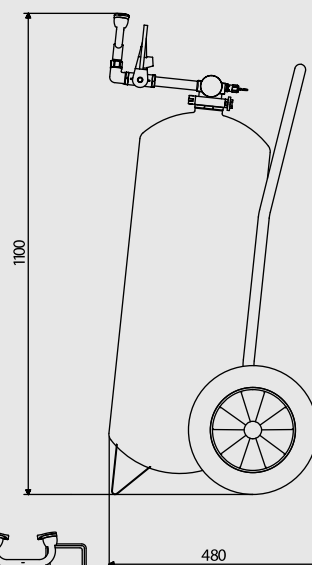
Portable pressurised eyewash with spray unit.  
Autonomous water supply (50 L)



MOD. 2820



MOD. 2840



Dimensions in mm.

MOD.

2920

Gravity-fed eyewash.  
Autonomous water supply (50 L)



MOD. 2920

## USE

The gravity-fed Eyewash make it possible to provide protective measures where there is no guarantee of continuous supply of water under pressure. With a total capacity of 50 l, the heads deliver water for over 15 minutes.

Provided with a wall mounting bracket.

## GENERAL FEATURES

### MATERIALS

High visibility yellow polyethylene tank.

### WATER INLET

Large, accessible filling cap.

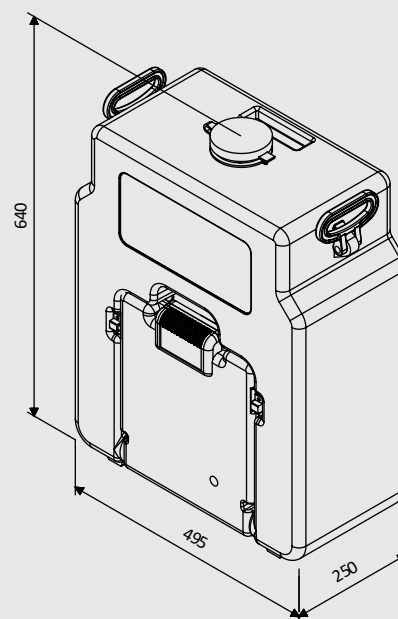
## EYEWASH

### MATERIALS

Two low flow-rate spray heads.

### OPERATION

Opening the tray.



Dimensions in mm.

## ACCESSORIES

### USE

To avoid thermal shock, the Showers and Eyewashes can be fitted with a thermostatic mixer developed specifically for Emergency Equipment to supply tepid water. The standards recommend a water temperature of between 15 °C and 37 °C. The mixer enables the water temperature to be adjusted. In case of hot water supply failure, the mixer provides cold water by means of a bypass. In case of cold water supply failure, the mixer shuts off to prevent harm to the user.

### SPECIFICATIONS

- Handwheel for temperature adjustment between 20 °C and 55 °C.
- Maximum hot water supply temperature: 100 °C, 50-70 °C for optimal performance.  
Maximum cold water supply temperature: 23 °C, 5-10 °C for optimal performance.
- Minimum hot and cold water supply pressure 3.5 bar. Recommended 4 bar. Maximum pressure 8 bar.
- G 1" male thread coupling with non-return valve.
- Cold water flow rate with bypass 105 l/min at  $\Delta 2$  bar.
- Tepid water flow rate 122 l/min at  $\Delta 2$  bar.

### USE

In outdoor installations with continually low temperatures, electric trace heating with insulating blankets prevents water from freezing inside Emergency Equipment.

### FUNCTIONING

When the ambient temperature drops to 0 °C, the sensor activates the heater cable. The sensor is deactivated when it reaches 3 °C.

### SPECIFICATIONS

- 220-240 V AC, 50/60 Hz.
- PVC heating cable, self-regulating.
- IP65 sensor with 1 m of 3G0.75 cable.
- Operating LEDs.

## TEPID WATER

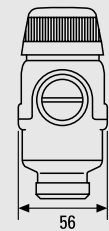
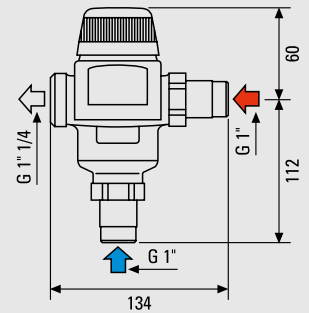
MOD.

195120

Thermostatic emergency valve 100



MOD. 195120



Dimensions in mm.

## ELECTRIC TRACE HEATING

MOD.

195500

Electric trace heating kit for 4220/4250 Shower.



MOD. 195500



## USE

The valves with thermal sensors are in continuous contact with the water and ambient temperatures and automatically establish a bleed line in the Emergency Equipment to eliminate excess temperatures or very low temperatures.

## FUNCTIONING

When the temperature exceeds the set limit, the thermal actuator modulates valve opening. A small amount leaks through the valve until the temperature returns to safe values.

## SPECIFICATIONS

Body and valve in stainless steel, activator in brass.  
Inlet and drain 1/2".

### MODEL 195110

- Frost protection valve.
- Nominal pressure 2 bar.
- Maximum working pressure 8 bar.
- Maximum opening temperature 2 °C.
- Total closing temperature 7 °C.

### MODEL 195112

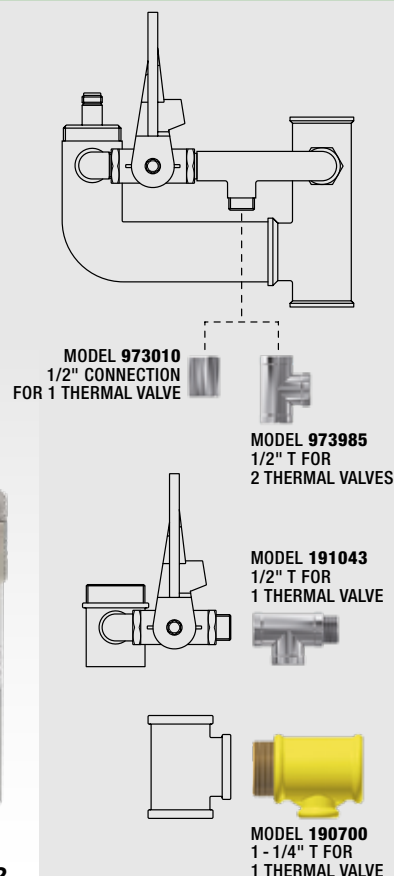
- Scald protection valve.
- Nominal pressure 2 bar.
- Maximum working pressure 6 bar.
- Maximum opening temperature 37 °C.
- Total closing temperature 29 °C.

## TEMPERATURE PROTECTION

|      |        |                  |
|------|--------|------------------|
| MOD. | 195110 | Frost protection |
|      | 195112 | Scald protection |



MOD. 195110 MOD. 195112



Dimensions in mm.

## USE

For optimum Emergency Equipment operation, maintaining the supply pressure within the recommended values is recommended to prevent premature wear of components, unnecessary user effort and damage to the installation.

For pressures of over 4 bar or 8 bar, depending on the equipment, installation of a pressure reducing valve is recommended.

## SPECIFICATIONS

- Maximum inlet pressure 25 bar.
- Adjusted outlet pressure 3 bar.

## PRESSURE PROTECTION

|      |        |                         |
|------|--------|-------------------------|
| MOD. | 950250 | Pressure reducing valve |
|------|--------|-------------------------|



MOD. 950250

# ACCESSORIES

## PROTECTIVE STRUCTURE

|      |        |                                             |
|------|--------|---------------------------------------------|
| MOD. | 194740 | Shower structure with 3 PMMA panels         |
| MOD. | 194745 | Shower structure with 3 PVC panels and roof |

*The structures reduce the thermal shock effect and protect against wind and/or sun.*

*The 194745 model incorporates top coverage for increased sun protection.*

*With high visibility yellow plastic coating.*



**MOD. 194745**



**MOD. 194740**

## SHOWER PLATFORM

|      |        |                                                                         |
|------|--------|-------------------------------------------------------------------------|
| MOD. | 194900 | Operating platform for showers, 1120 - 4220 - 4230 - 4250 - 4260 models |
|------|--------|-------------------------------------------------------------------------|

*Accessory for operating all platform Showers, 1120 - 4220 - 4230 - 4250 - 4260 models, and shutting off the Shower using a pull rod.*



**MOD. 194900**

## SHOWER TEST

|      |        |             |
|------|--------|-------------|
| MOD. | 195003 | Shower test |
|------|--------|-------------|

*Essential for control of Emergency Shower flow rate.  
Made of plasticised PVC.*



**MOD. 195003**

|        |        |                           |
|--------|--------|---------------------------|
| MODELS | 190121 | Wall bracket model 1110   |
|        | 191121 | Wall bracket model 1110T1 |



**MOD. 190121**

## ALARM KIT

|        |        |                                                |
|--------|--------|------------------------------------------------|
| MODELS | 195030 | Alarm kit for safe areas for showers/eyewashes |
|        | 190614 | Safe area flow switch                          |

*Visual and audible alarm that starts operating when water flows through the pipe when the Emergency Equipment is activated. Optionally sends an operating signal to the facility emergency or control room.  
Installation must be carried out by qualified personnel.*

### WATER INLET PRESSURE

*Optimum 2 bar. Minimum 1.5 bar. Maximum 8 bar.*



**MOD. 195030**

|        |        |                                                           |
|--------|--------|-----------------------------------------------------------|
| MODELS | 195040 | Alarm kit for explosive atmospheres for showers/eyewashes |
|        | 950634 | ATEX flow switch                                          |



**MOD. 195030**

### ALARM KIT FOR SAFE AREAS

*220-240 V AC, 50/60 Hz  
(Schuko). IP43 protection.*

#### Flow switch

- Max. switching voltage 230 V AC, 48 V DC
- Max. switching current 1 A
- Cable length 1.5 m, 2x0.5 mm<sup>2</sup>

#### Visual and audible alarm

- Flashing orange light, 120 flashes/min.
- Continuous sound 92 dBA

### ALARM KIT FOR EXPLOSIVE ATMOSPHERES

*220-240 V AC, 50/60 Hz.  
Group II, Zone 1/2, Zone 1, Category 2G. (Other classifications available).*

#### Flow switch

- Max. switching voltage 250 V AC/V DC
- Max. switching current 4 A AC/5 A DC

#### Visual alarm

- Flashing orange light, 120 flashes/min.

#### Audible alarm

- Continuous sound, adjustable 90-110 dBA



**MOD. 195040**

# INSTALLATION AND MAINTENANCE INSTRUCTIONS

## EMERGENCY SHOWERS AND EYEWASHES

Presented below are the basic standards for  
Emergency Equipment installation.

### INSTALLATION

#### LOCATION OF EMERGENCY EQUIPMENT

The location of Emergency Equipment must comply with the following conditions:

- It must be installed in fully visible locations, easily accessible from at least three directions.
- It must be installed in areas where a hazard exists, and must not be more than 10 seconds from where an accident may occur.
- It must be located at the same level as the source of the hazard, with no obstructions on the route to the Emergency Equipment, such as doors, stairs, etc.

#### WATER SUPPLY

The water supply to the Emergency Equipment must comply with the following conditions:

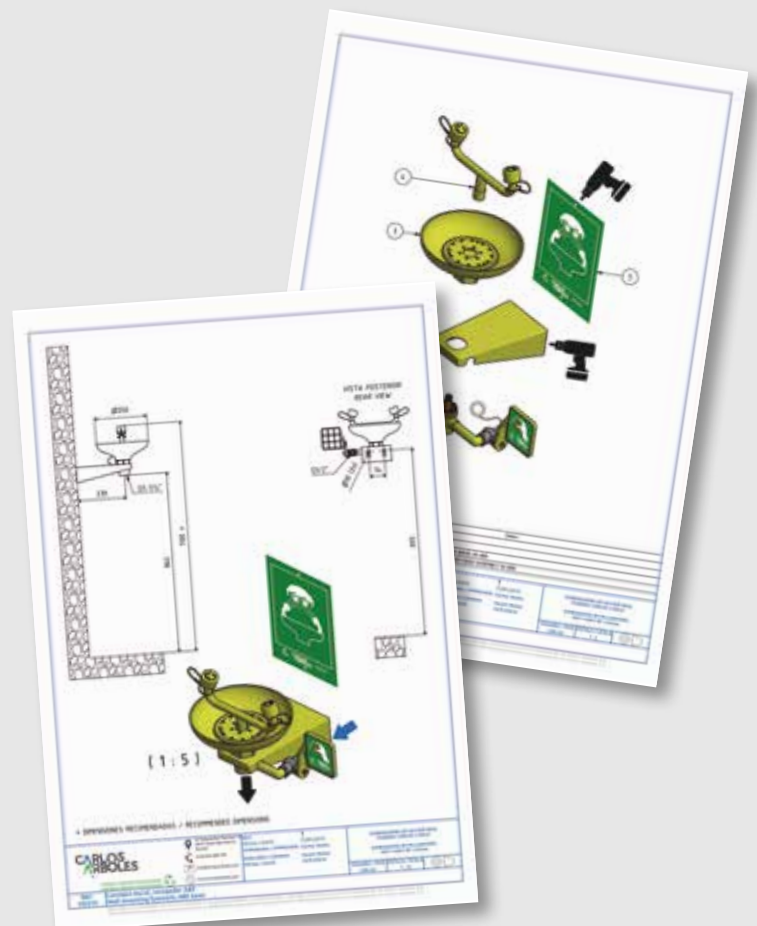
- They must be supplied from the main or emergency line. The supply pipe diameter must be at least 1".
- An inlet pressure to the Emergency Equipment of 2 bar is recommended.  
For proper operation, the minimum pressure is 1.5 bar and the maximum pressure is 4 bar or 8 bar, depending on the equipment.
- Water temperature of between 15 °C and 37 °C is recommended.
- Installing a filter is recommended, as is purging the pipes prior to installation of the Emergency Equipment.
- Potable water, or water of similar quality, is required.
- A drain system is recommended for the Eyewash and a floor drain for the Shower, to avoid hazards and prevent slippery surfaces.

#### MOUNTING

Mounting the Emergency Equipment in the order shown on the assembly drawing is recommended.

The necessary means are:

- Pipe sealant.
- Tools to fasten the equipment to the surface. For Emergency Showers not fixed to the floor, installation so that the head is at a height of between 210 and 230 cm above the level where the user will stand is recommended. For Emergency Eyewashes not fixed to the floor, installation so that the Eyewash outlet nozzles are at a height of between 90 and 110 cm above the level where the user will stand is recommended.





## OPERATION

### ACTIVATION

In case of accident, the person involved must shower or wash their eyes IMMEDIATELY for at least 15 minutes.

The Emergency Units are operated rapidly as follows:

- Emergency Eyewashes by pushing the handle backwards or stepping on the foot control.
- Emergency Showers by pulling the triangular-shaped pull rod downwards.
- Manual Equipment by squeezing the lever.

A doctor or healthcare assistant must be notified IMMEDIATELY.



## MAINTENANCE

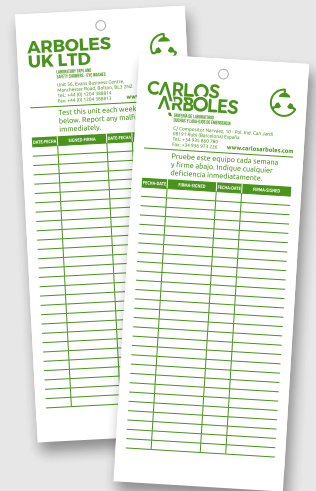
### MAINTENANCE AND TRAINING

Emergency Shower and Eyewash operation must be checked at least ONCE a week to ensure water supply and to prevent microbial growth.

Fill in the Maintenance Sheet provided (mod. 190190) or a similar one.

Personnel must be instructed on:

- Location and signage of the Emergency Equipment.
- Operation of the Showers and Eyewashes.
- The way of notifying healthcare personnel.
- Maintenance to be performed on the Emergency Equipment.



**MOD. 190190**

## SIGNAGE

### SIGN BOARDS

A board is delivered with each appliance in our manufacturing programme to indicate the unit (except table-mounting models).

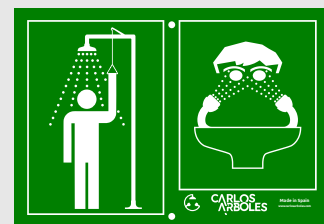
The sign boards are photoluminescent, with white text on a green background. Dimensions: 210x297 mm.



**MOD. 191004**



**MOD. 191005**



**MOD. 191006**

# SPARES

We have a wide range of spare parts for all Emergency Shower and Eyewash models.

**ENQUIRE FOR AVAILABILITY OF OTHER SPARE PARTS**

## SHOWER HEADS AND EYEWASH BOWLS



|        |        |                                                  |
|--------|--------|--------------------------------------------------|
| MODELS | 190100 | Shower head, high visibility yellow ABS G 1"     |
|        | 190112 | Shower head, high visibility yellow ABS G 1-1/2" |



|        |        |                                                 |
|--------|--------|-------------------------------------------------|
| MODELS | 192100 | Shower head, in stainless steel, G 1"           |
|        | 192112 | Shower head, in stainless steel G 1-1/2"        |
|        | 192212 | Head mod. 4820 4830 in stainless steel G 1-1/2" |



|      |        |                                          |
|------|--------|------------------------------------------|
| MOD. | 190150 | Eyewash bowl, high visibility yellow ABS |
|------|--------|------------------------------------------|



|        |        |                                              |
|--------|--------|----------------------------------------------|
| MODELS | 191150 | Eyewash bowl, in stainless steel             |
|        | 192150 | Eyewash bowl, mod. 2215SS in stainless steel |

## EYEWASH HEAD ASSEMBLY



|        |        |                                                       |
|--------|--------|-------------------------------------------------------|
| MODELS | 190136 | Eyewash head assembly ABS                             |
|        | 193136 | Eyewash head assembly in brass                        |
|        | 195136 | Compact, low flow rate Eyewash head assembly in brass |



|        |        |                                                    |
|--------|--------|----------------------------------------------------|
| MODELS | 191136 | Eyewash head assembly in stainless steel           |
|        | 196136 | Eyewash head assembly mod. 4820 in stainless steel |



|      |        |                                     |
|------|--------|-------------------------------------|
| MOD. | 190135 | For Eyewash, with O-ring and filter |
|------|--------|-------------------------------------|



|      |        |                                     |
|------|--------|-------------------------------------|
| MOD. | 190123 | Plastic anti-dust cover for Eyewash |
|------|--------|-------------------------------------|



|      |        |                                                        |
|------|--------|--------------------------------------------------------|
| MOD. | 191135 | For in stainless steel Eyewash, with O-ring and filter |
|------|--------|--------------------------------------------------------|

## EYEWASHES AND MANUAL SHOWERS



|        |        |                                       |
|--------|--------|---------------------------------------|
| MODELS | 190148 | Single manual Eyewash                 |
|        | 195148 | Manual Shower for pressurised Eyewash |



|      |        |                       |
|------|--------|-----------------------|
| MOD. | 192148 | Double manual eyewash |
|------|--------|-----------------------|



|      |        |                        |
|------|--------|------------------------|
| MOD. | 190109 | Manual Eyewash bracket |
|------|--------|------------------------|



|      |        |                 |
|------|--------|-----------------|
| MOD. | 190125 | Eyewash bracket |
|------|--------|-----------------|



|      |        |                                             |
|------|--------|---------------------------------------------|
| MOD. | 190160 | Bracket with water inlet for manual eyewash |
|------|--------|---------------------------------------------|



|        |        |                    |
|--------|--------|--------------------|
| MODELS | 190149 | For single Eyewash |
|        | 190151 | For double Eyewash |

## PRESSURISED EYEWASH



|      |        |                                                        |
|------|--------|--------------------------------------------------------|
| MOD. | 197136 | Eyewash head assembly in brass for pressurised Eyewash |
|------|--------|--------------------------------------------------------|



|        |        |                                                                |
|--------|--------|----------------------------------------------------------------|
| MODELS | 192135 | For pressurised Eyewash, with gasket and filter                |
|        | 193135 | For manual Shower, pressurised Eyewash, with gasket and filter |



|        |        |                                        |
|--------|--------|----------------------------------------|
| MODELS | 950222 | For pressurised Eyewash                |
|        | 951222 | For manual Shower, pressurised Eyewash |



|      |        |                                 |
|------|--------|---------------------------------|
| MOD. | 950153 | Pressurised Eyewash mesh filter |
|------|--------|---------------------------------|



|      |        |                                      |
|------|--------|--------------------------------------|
| MOD. | 950221 | Clamp gasket for pressurised Eyewash |
|------|--------|--------------------------------------|



**MOD.** 190108 *G 1" valve for Shower*



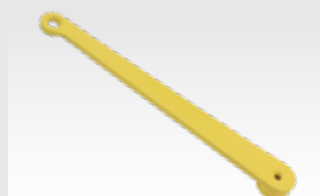
**MOD.** 971011 *G 1" valve for stainless steel Shower*



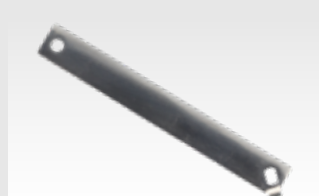
**MODELS**  
190145 *G 1/2" valve for Eyewash*  
192145 *G 1/2" valve for Eyewash with drain*



**MOD.** 971015 *G 1/2" valve for stainless steel Eyewash*



**MOD.** 190106 *Shower handle*



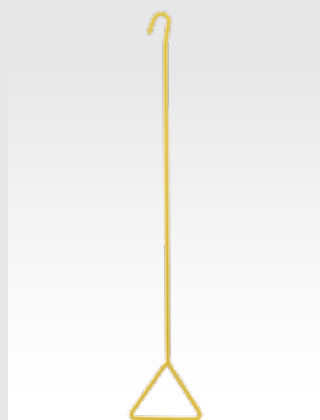
**MODELS**  
191106 *Shower handle in stainless steel (horizontal valve)*  
192106 *Shower handle in stainless steel (vertical valve)*



**MODELS**  
190146 *Eyewash push handle in ABS*  
811146 *Eyewash push handle in ABS (models with foot control)*  
193146 *Eyewash push handle in aluminium*  
861146 *Eyewash push handle in aluminium (models with foot control)*  
864000 *FP Shower push handle in aluminium (4253 model)*  
864146 *Push handle in aluminium (FP models)*



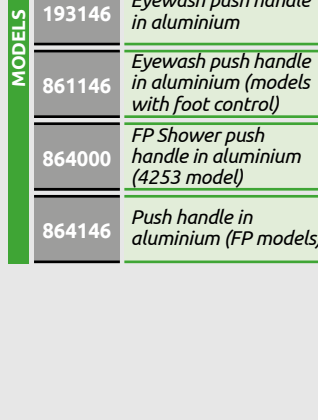
**MODELS**  
973007 *Eyewash push handle in stainless steel*  
973107 *Eyewash push handle in stainless steel (models with foot control)*



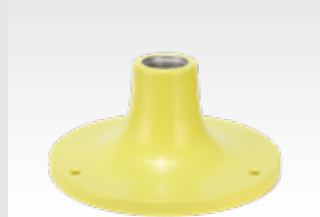
**MOD.** 190105 *Shower pull rod*



**MOD.** 191105 *Stainless steel shower pull rod*



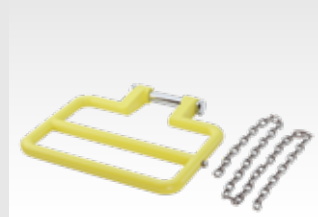
**MOD.** 190402 *G 1-1/4" valve for platforms and booth*



**MOD.** 190128 *Floor mounting flange*



**MOD.** 811301 *Floor mounting flange in stainless steel*



**MOD.** 190131 *Complete foot control assembly*



**MOD.** 190400 *G 1-1/4" Valve for FP Shower*

# DIRECTORY

| CODE / PAGE |    | CODE / PAGE |    | CODE / PAGE |    | CODE / PAGE |    |
|-------------|----|-------------|----|-------------|----|-------------|----|
| 1100        | 23 | 3720        | 19 | 4720 SS     | 31 | 191136      | 48 |
| 1100 SS     | 23 | 3820        | 16 | 4720 TI     | 29 | 191150      | 48 |
| 1100 TI     | 27 | 4220        | 10 | 4720 TS/FP  | 39 | 192100      | 48 |
| 1110        | 23 | 4220 SS     | 10 | 4730        | 31 | 192106      | 49 |
| 1110 FP     | 35 | 4220 TI     | 26 | 4730 FP     | 36 | 192112      | 48 |
| 1110 FP/SS  | 35 | 4221        | 13 | 4730 FP/SS  | 36 | 192135      | 48 |
| 1110 SS     | 23 | 4221 SS     | 13 | 4730 SS     | 31 | 192145      | 49 |
| 1110 TI     | 27 | 4222 FP     | 37 | 4730 TS/FP  | 39 | 192148      | 48 |
| 1120        | 22 | 4222 FP/SS  | 37 | 4730 TI     | 29 | 192150      | 48 |
| 1120 FP     | 34 | 4223 FP     | 37 | 4750        | 30 | 192212      | 48 |
| 1120 FP/SS  | 34 | 4223 FP/SS  | 37 | 4750 FP     | 36 | 193135      | 48 |
| 1120 SS     | 22 | 4225        | 13 | 4750 SS     | 30 | 193136      | 48 |
| 1120 TI     | 27 | 4225 SS     | 13 | 4750 TI     | 29 | 193146      | 49 |
| 1141        | 24 | 4230        | 10 | 4810        | 33 | 194740      | 44 |
| 1141 SS     | 24 | 4230 SS     | 10 | 4810 FP     | 36 | 194745      | 44 |
| 1142        | 24 | 4250        | 11 | 4820 TI/TS  | 38 | 194900      | 44 |
| 1142 SS     | 24 | 4250 HS DC  | 27 | 4830 TI/TS  | 38 | 195003      | 45 |
| 1275        | 25 | 4250 SS     | 11 | 190030      | 21 | 195030      | 45 |
| 1275 SS     | 25 | 4250 TI     | 26 | 190100      | 48 | 195040      | 45 |
| 2210        | 16 | 4252        | 32 | 190105      | 49 | 195110      | 43 |
| 2210 FP     | 35 | 4252 SS     | 32 | 190106      | 49 | 195112      | 43 |
| 2210 FP/SS  | 35 | 4253        | 32 | 190108      | 49 | 195120      | 42 |
| 2210 SS     | 16 | 4253 SS     | 32 | 190109      | 48 | 195136      | 48 |
| 2210 TI     | 28 | 4255        | 11 | 190112      | 48 | 195148      | 48 |
| 2212        | 18 | 4255 SS     | 11 | 190121      | 45 | 195500      | 42 |
| 2212 SS     | 18 | 4260        | 12 | 190123      | 48 | 196001      | 38 |
| 2215 SS     | 18 | 4260 SS     | 12 | 190125      | 48 | 196002      | 38 |
| 2220        | 17 | 4260 TI     | 26 | 190128      | 49 | 196003      | 38 |
| 2220 FP     | 34 | 4275        | 15 | 190131      | 49 | 196004      | 38 |
| 2220 SS     | 17 | 4275 SS     | 15 | 190135      | 48 | 196005      | 38 |
| 2220 TI     | 28 | 4280        | 14 | 190136      | 48 | 196006      | 38 |
| 2230        | 16 | 4280 SS     | 14 | 190145      | 49 | 196136      | 48 |
| 2230 SS     | 16 | 4285        | 14 | 190146      | 49 | 197136      | 48 |
| 2240        | 17 | 4285 SS     | 14 | 190148      | 48 | 811146      | 49 |
| 2240 SS     | 17 | 4285 TI     | 26 | 190149      | 48 | 811301      | 49 |
| 2275        | 21 | 4290        | 14 | 190150      | 48 | 861146      | 49 |
| 2710        | 17 | 4290 SS     | 14 | 190151      | 48 | 864000      | 49 |
| 2710 SS     | 17 | 4295        | 14 | 190160      | 48 | 864146      | 49 |
| 2710 TI     | 28 | 4295 SS     | 14 | 190190      | 47 | 950153      | 48 |
| 2820        | 40 | 4700        | 31 | 190400      | 49 | 950221      | 48 |
| 2840        | 40 | 4700 SS     | 31 | 190402      | 49 | 950222      | 48 |
| 2920        | 41 | 4700 TI     | 29 | 190614      | 45 | 950250      | 43 |
| 3000        | 20 | 4710        | 33 | 190700      | 43 | 950634      | 45 |
| 3100        | 20 | 4710 FP     | 36 | 191004      | 47 | 951222      | 48 |
| 3110        | 20 | 4710 FP/SS  | 36 | 191005      | 47 | 971011      | 49 |
| 3120        | 21 | 4710 SS     | 33 | 191006      | 47 | 971015      | 49 |
| 3130        | 21 | 4710 TI     | 29 | 191043      | 43 | 973007      | 49 |
| 3500        | 19 | 4710 TS/FP  | 39 | 191105      | 49 | 973010      | 43 |
| 3510        | 16 | 4720        | 31 | 191106      | 49 | 973107      | 49 |
| 3510 TI     | 28 | 4720 FP     | 36 | 191121      | 45 | 973985      | 43 |
| 3620        | 19 | 4720 FP/SS  | 36 | 191135      | 48 |             |    |





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