



Model FM-SD



Combination Safty Shower  
(Along with eye and face wash)

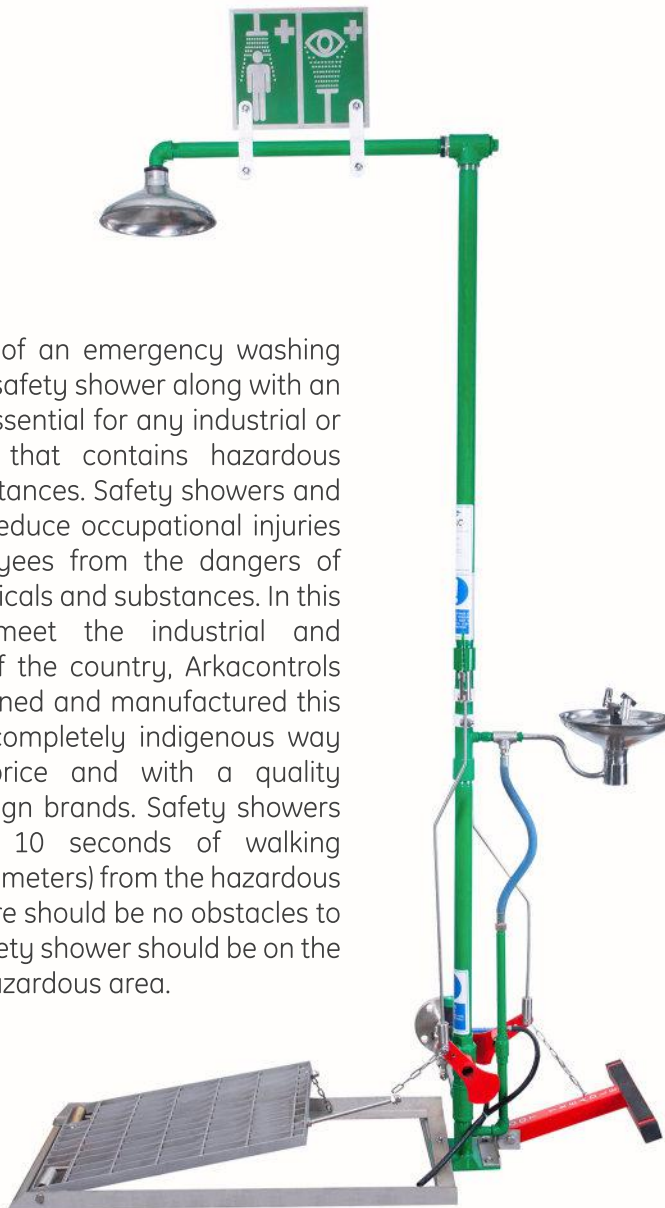
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### Introduction:

The existence of an emergency washing station, including a safety shower along with an eye/face wash, is essential for any industrial or laboratory setting that contains hazardous chemicals and substances. Safety showers and eye/face washers reduce occupational injuries and protect employees from the dangers of these harmful chemicals and substances. In this regard, and to meet the industrial and laboratory needs of the country, Arkacontrols company has designed and manufactured this vital product in a completely indigenous way with reasonable price and with a quality comparable to foreign brands. Safety showers should be within 10 seconds of walking (approximately 16.8 meters) from the hazardous work area. Also, there should be no obstacles to reach it, and the safety shower should be on the same level as the hazardous area.



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### Product Description:

This product is a combination safety shower (emergency shower + eye/face wash) that can be used inside of industrial and laboratory buildings. This product is self-draining and can be mounted on the ground. The eye/face wash bowl is made of 316 stainless steel and its orientation can be adjusted depending on the requirements. Pulling the lever of this product is quick and easy, so it is appropriate for emergency situations. A safety shower is used to wash the head and body of a person who has been exposed to hazardous compounds and substances. Usually, a large amount of potable water is used for this purpose. This product has the ability to supply this volume of water with a continuous flow. Eye/face wash is also used to wash the eyes and face of a person who may be sprayed with dangerous substances in the eyes or face. The individual should wash their eyes and face with this product for at least 15 minutes continuously. Eyewash diffusers fitted with fine mesh strainers and flow regulators to provide a smooth, desirable, and soft flow to the user's face. The valve is located above the water inlet and the bleed pipes are installed just above them. Therefore, after using the shower, the water in the pipes will be drained to the ground through bleeding pipes, and as a result, the heating of stagnant waters due to solar radiation or energy exchange with other sources will be prevented. Hence, this safety shower is suitable for use in hot and dry climates. Galvanized mild steel or 316 stainless steel can be used to make the pipes. Specifications and features of this native product are made and designed in a way so that it can meet all ANSI and EU standards. The liquid used in this product is usually table water.



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### Specifications:

#### Material of Construction:

Pipework & Fitting (A):	Galvanised mild steel
Pipework & Fitting (B):	316 stainless steel
Operating Valves:	316 stainless steel, two piece stay open valve
Shower Spray Outlet:	stainless steel nozzle that contains a strainer with fine pores
EYE/FACE Wash Bowl:	316 stainless steel
EYE Wash Diffusers:	Chrome plated brass with stainless steel mesh
Standard Finish (A):	Green powder coated (alternative colors available)
Standard Finish (B):	Polished brush finish (paint options available)

#### Features:

Water Inlet:	Female BSP 1 <sup>1</sup> / <sub>4</sub> "
Design Operating Pressure:	2.0 to 6 BAR G (29 to 87 PSI)
Test pressure:	10.3 BAR G (149 PSI)
Minimum Flow at Operating Pressure:	Shower: 76 liters/minute minimum Eye/face wash: 12 liters/minute minimum

#### Environmental Operating Temperature:

Minimum Ambient Operating Temperature:	5 °C (0 °C if valve is insulated)
Maximum Ambient Operating Temperature:	50 °C

#### Operational:

Shower Spray Operation:	Hand lever (optional foot panel for hands free operation)
EYE/FACE Wash Operation:	Hand lever (optional foot treadle for hands free operation)

#### Weights and Dimensions:

Dimensions - Standard Orientation (WxDxH):	580 mm x 750 mm x 2300 mm
Weight (No Options):	16 Kg.



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