Product Datasheet

Immersion heated safety shower with eye wash and handheld eye bath
STD-MH-5KS/11K

In outdoor locations susceptible to freezing conditions, the immersion heating, polyurethane foam insulation and impact resistant outer casing ensure this safety shower will operate first time, every time in cold climates.

The emergency safety shower is complemented by a lidded eye/face wash unit and handheld eye bath on a flexible hose, useful for treating individuals who may need assistance or for directly decontaminating a specific area. Delivering 76 litres per minute flow rate from the shower and 12 litres per minute from the eye/face wash, this model meets EN and ANSI requirements.

Specifications

MATERIALS OF CONSTRUCTION	
PIPEWORK & FITTINGS	Stainless steel
OPERATING VALVE	Stainless steel, full bore, stay open ball valve
SHOWER NOZZLE	Injection moulded nylon 6
EYE WASH	ASA
EYE WASH DIFFUSERS	Chrome plated brass retaining ring, stainless steel filter mesh, plastic body
INSULATION & OUTER CASING	Polyurethane foam insulation with a medium density polyethylene impact resistant outer casing
SERVICES	
ELECTRICAL EQUIPMENT	ATEX Zone 1 & 2. Gas groups IIA and IIB. Temp Class T3 (IIC available)
ELECTRICAL SUPPLY	240V, single phase, 50/60Hz (110V available)
HEATING TYPE	Immersion heated
HEATING LOAD	100W
WATER INLET	1¼" male BSP
OPERATING PRESSURE	2 to 6 BAR G / 29 to 87 PSI (higher supply pressures accommodated with the incorporation of the optional pressure reducing valve)
MINIMUM FLOW RATES	Shower: 76 L per minute / 20 US gal per minute Eye wash: 12 L per minute / 3 US gal per minute Handheld eye bath: 8 L per minute / 2 US gal per minute
AMBIENT OPERATING TEMPERATURE	
MINIMUM	-35C / -31F
MAXIMUM	35C / 95F
OPERATION	
SHOWER	Pull handle
EYE WASH	Lift lid (handheld eye bath activates simultaneously)
DIMENSIONS & WEIGHT	
DIMENSIONS (WxDxH)	480mm (18.8in) x 855mm (33.6in) x 2705mm (106.5in)
WEIGHT	40kg (88lb)

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General Arrangement Drawing

Immersion heated safety shower with eye wash and handheld eye bath

STD-MH-5KS/11K

LIGHT BOX
WITH PICTOGRAM SIGNS

SHOWER
BALL VALVE

INSULATED
POLYETHYLENE
JACKET

JUNCTION BOX FOR
IMMERSION HEATER

SHOWER NOZZLE

PULL HANDLE FOR
SHOWER OPERATION

LOW PRESSURE
DIFFUSER NOZZLES

IMMERSION HEATER
AND THERMOSTAT PROBE
INSIDE STANDPIPE

2709

2127 TO SHOWER NOZZLE

1108 TO DIFFUSER NOZZLES

1-1/4 INCH BSP
WATER INLET ON LHS

135

DETAIL B
SCALE 1 : 10

AUXILIARY
EYEBATH FEED

HINGED LID W/
INTERNAL MIRROR

DRAIN BOWL

EYEBATH
BALL VALVE

DRAIN OUTLET
1-1/2 INCH BSP

FLOW REGULATOR
EYEWASH

DETAIL C
SCALE 1 : 10

826

483

4 OFF ⌀15 HOLES
FOR M12 FIXING BOLTS
(NOT SUPPLIED)

230
180
180
230

SECTION A-A