

SABZ INTERNATIONAL

PRODUCT CATALOGUE

Safety Showers and Eyewash

Guardian emergency showers, eyewash and eye/face wash stations, tank showers with chillers, tempered water systems and drench hoses, supplied, installed and tested to ANSI/ISEA Z358.1 across the UAE.

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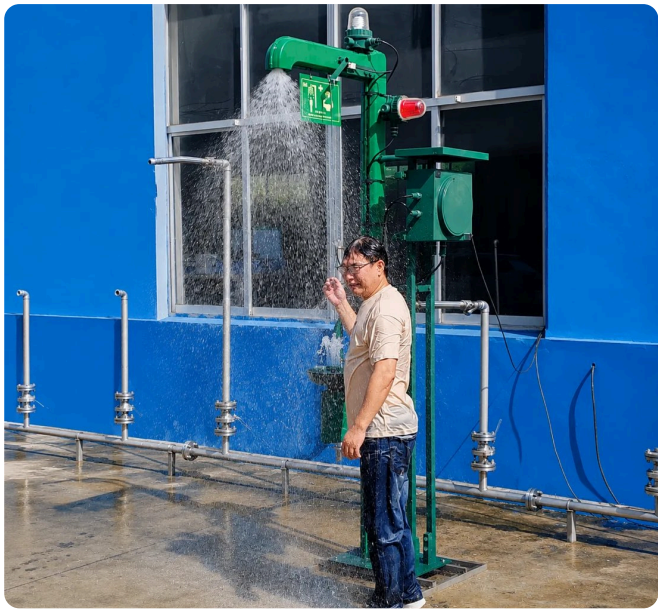
WHY IT MATTERS

First response to chemical contact, in UAE conditions

When a chemical reaches the skin or eyes, the first 10 to 15 seconds decide how bad the injury will be. An emergency shower or eyewash within reach, delivering the right flow of tepid water for 15 minutes, is the first line of treatment.

In the UAE the hardest requirement is temperature. Water in exposed pipes and tanks can pass 45 °C in summer, far above the 38 °C limit. We specify insulated, cooled or tempered units for every outdoor location.

- Free site survey and hazard mapping
- Selection to ANSI/ISEA Z358.1
- Supply, installation and flow testing
- Weekly activation training and checklist
- Annual inspection contracts



THE STANDARD

What ANSI/ISEA Z358.1 asks for

Every emergency shower and eyewash we supply is chosen to meet ANSI/ISEA Z358.1, the standard UAE consultants and HSE teams specify. These are the requirements we design and test against.

Requirement	What it means on site
Location	Reachable within 10 seconds, about 16.8 m (55 ft) of travel, on the same level as the hazard with an unobstructed path
Shower flow	At least 75.7 L/min (20 US gpm) for a full 15 minutes
Eyewash flow	At least 1.5 L/min (0.4 US gpm) for 15 minutes, hands-free once activated
Water temperature	Tepid: 16 to 38 °C (60 to 100 °F)
Shower head height	208 to 244 cm (82 to 96 in) above the standing surface
Activation	One motion, valve open in 1 second or less, stays open without the user holding it
Testing	Activated weekly; full inspection against the standard every year

TANK SAFETY SHOWERS

A full 15-minute drench, anywhere on site

Plumbed showers need a pressured, clean water line at the hazard. Many UAE sites don't have one: wellheads, tank farms, laydown yards and temporary works. A tank shower carries its own water, sized for the full 15-minute flow, so it can go wherever the risk is.



DESERT AND EXPOSED SITES

GRP tank shower with chiller

Integrated chiller keeps stored water tepid in UAE summer heat.



REMOTE SITES WITHOUT MAINS POWER

Tank shower with solar panels

Solar panel powers the chiller or controls off-grid.



REMOTE, EXPOSED LOCATIONS

Tank shower with chiller and solar

Chiller and solar power on one self-contained unit.



SITES THAT NEED AUTOMATIC REFILLING

Tank shower with water supply system

Water supply system keeps the tank topped up.



PLANTS WITH SEVERAL SHOWERS

Water supply system for tank showers

Feeds one or more showers from a dedicated supply tank.



SHUTDOWNS AND MOVING WORK FRONTS

Mobile safety shower

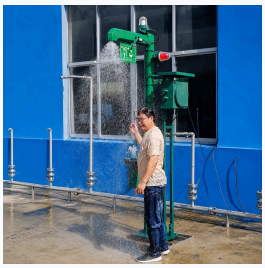
Forklift pockets or trailer mounting, moves with the work.



EXPOSED OUTDOOR LOCATIONS

Insulated safety shower (GRP panel)

GRP panel enclosure insulates the shower and pipework.



PUBLIC AND INDUSTRIAL SITES

Insulated safety showers

Insulated enclosures protect water temperature outdoors.

Configurations

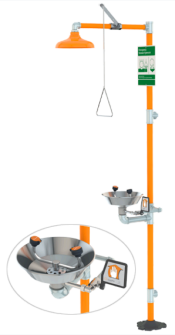
Model	Best for	Key features
GRP tank shower with chiller	Desert and exposed sites	Integrated chiller keeps stored water tepid in UAE summer heat.
Tank shower with solar panels	Remote sites without mains power	Solar panel powers the chiller or controls off-grid.
Tank shower with chiller and solar	Remote, exposed locations	Chiller and solar power on one self-contained unit.
Tank shower with water supply system	Sites that need automatic refilling	Water supply system keeps the tank topped up.
Water supply system for tank showers	Plants with several showers	Feeds one or more showers from a dedicated supply tank.
Mobile safety shower	Shutdowns and moving work fronts	Forklift pockets or trailer mounting, moves with the work.
Insulated safety shower (GRP panel)	Exposed outdoor locations	GRP panel enclosure insulates the shower and pipework.
Insulated safety showers	Public and industrial sites	Insulated enclosures protect water temperature outdoors.
Pedestal-mounted shower	Plants and labs with a plumbed supply	Floor-mounted pedestal, shower and eyewash on one stand.

Tank capacity, chiller rating and power supply are confirmed for each site in your quotation.

COMBINATION UNITS

Body and eyes rinsed at once

A combination unit puts a drench shower and an eyewash or eye/face wash on one frame, so a worker splashed by chemicals can rinse body and eyes at the same time. Free-standing or wall-mounted, in galvanised or stainless steel, with options such as dust covers, freeze or heat protection and a flow-switch alarm.



PLANTS, LABS, CHEMICAL STORES

Guardian G1902

Shower plus eyewash with stainless steel bowl and two GS-Plus spray heads.



CORROSIVE AREAS AND CLEANROOMS

Guardian G1991

All-stainless steel combination station.

Model	Best for	Key features
Guardian G1902	Plants, labs, chemical stores	Shower plus eyewash with stainless steel bowl and two GS-Plus spray heads.
Guardian G1950	General industry	Eye/face wash and shower from one outlet, 10 in ABS shower head, 30 GPM at 30 PSI.
Guardian G1991	Corrosive areas and cleanrooms	All-stainless steel combination station.
Guardian G2010	Areas where clothing must come off	Stainless steel station in a booth with modesty curtain.

EYEWASH STATIONS

Plumbed or portable, wall or pedestal

Plumbed stations connect to the water supply and run as long as needed. Portable, self-contained stations carry their own flushing fluid for sites and areas without plumbing. Eye/face wash models add a wider spray to rinse the face as well. Personal wash bottles support a primary station but do not replace one.



LABS, WORKSHOPS

Guardian G1814

Wall-mounted, stainless steel bowl, two GS-Plus spray heads.



PRODUCTION AREAS, CHEMICAL STORES

Guardian G1825

Pedestal-mounted, stainless steel bowl.



AREAS WITHOUT PLUMBING

Guardian G1540

Self-contained 16-gallon gravity-flow tank, 15 minutes of flow.

Model	Best for	Key features
Guardian G1814	Labs, workshops	Wall-mounted, stainless steel bowl, two GS-Plus spray heads.
Guardian G1814P	Labs, workshops	Wall-mounted, plastic bowl, two GS-Plus spray heads.
Guardian G1825	Production areas, chemical stores	Pedestal-mounted, stainless steel bowl.
Guardian G1540	Areas without plumbing	Self-contained 16-gallon gravity-flow tank, 15 minutes of flow.
Deck-mounted or swing-down eyewash	Lab sinks and benches	Mounts on the sink and uses the existing tap water.

TEMPERED WATER

Water that is safe to stand under for 15 minutes

Tempered water systems blend or chill the supply so it arrives tepid, 16 to 38 °C, the moment the valve opens, and keep it there for the whole 15 minutes. We size systems to the number of units and their combined flow, from a single point-of-use mixer to a central chilled loop serving a whole plant.



System	Best for	Key features
Point-of-use thermostatic mixing valve	One shower or eyewash	Blends hot and cold to tepid, fail-safe to cold
Water chiller for emergency fixtures	Outdoor units in hot climates	Cooling capacity sized to 15-minute demand
Central tempered water skid	Plants with many units	Serves multiple fixtures on one loop
Bleed valves and insulated lines	Long exposed pipe runs	Purges hot water standing in the line

Drench hoses

Hand-held sprays on a flexible hose for rinsing a specific part of the body, fitted at lab sinks alongside a primary shower or eyewash. Under ANSI Z358.1 a drench hose supports, but does not replace, a primary unit.

Type	Best for	Key features
Single-head drench hose	Lab benches and sinks	Squeeze valve, flexible hose
Dual-head drench hose	Eye and face rinsing	Two spray heads on one handle
Wall-mounted drench hose	Workshops and production	Wall bracket, longer hose

WHERE THEY ARE USED

Who we supply

INDUSTRY

Oil and gas

Tank and insulated showers at wellheads, tank farms and plants.

INDUSTRY

Pharma and laboratories

Combination units and bench eyewash in every lab.

INDUSTRY

Chemical and water treatment

Dosing areas, chemical stores and loading bays.

INDUSTRY

Construction and shutdowns

Mobile and skid-mounted units that move with the work.

INDUSTRY

Healthcare

Sterilisation, labs and cleaning rooms.

INDUSTRY

Education

School and university science labs.

Keep them working

ANSI Z358.1 asks for weekly activation and a full inspection every year. Download our free weekly inspection checklist, or ask about an annual inspection contract.

GET IN TOUCH

Ask for a quote or a free site survey

Tell us what you need, where it is going and when. We reply within one working day with a recommendation and a priced quotation.

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