

ISTEC®

SHOWERS & EYEBATHS

- Emergency Shower and Eye/Face Washes
- Overhead Tank Showers
- Special Cabin Mounted Systems
- Cable Heated and Insulated Emergency Showers
- Mobile Emergency Showers & Emergency Showers with Separate Header Tank
- Portable Eye Washes
- Decontamination Systems
- Safety Cans
- Airline Breathing Systems



İST

İŞÇİ SAĞLIĞI TEÇHİZATI

SAFETY LTD

About Us

Since 1979, we produce equipments for;

OCCUPATIONAL HEALTH AND SAFETY
FIRST AID & CIVIL DEFENSE
FIRE & CBRN & PERSONAL PROTECTION.

Our headquarters and factory are located in Ankara. With our network of distributors spread all over the country and worldwide we distribute our best and high quality service to customers in the shortest time. Our company has TS EN ISO 9001 Quality Certificate. All our products are certified according to international standards. With the high quality products we manufacture, our export sales increase day by day.

What We Do

We provide variety of special services you may need.

Engineering Consultation

IST provides complete information on the design, use, supply and care of emergency showers and eye/face wash fountains, safety storage and plunger cans, spill containment systems, decontamination systems and airline breathing systems. For all your needs during a new plant installation or facility renovation, our experienced team will guide you to the best and most economical solution.

Quality and Safe Product Selection

Our product range has a wide range of standard and optional designs. For interior and exterior applications, we offer high quality systems with heating or cooling, with freeze protection, portable or fixed special systems.

Special Engineering Solutions

Each shower is designed for different purposes and cannot substitute each other. In addition, standardized units with heating or cooling, may not always be the right choice for your needs. IST is fully equipped to offer and produce the special designed systems according to your needs.

Adjusting Water Temperature

Tepid water supply (16 - 38 ° C), which is a requirement of both American and European standards, requires special attention. Our expert team has the capability to analyze resources of your facility and offer solutions to ensure that emergency showers and eye / face wash fountains will work properly under all circumstances. Our experts will work in coordination with your design or expert team.



Pre-Sales Solid Modelling and Technical Drawing

We provide customized design and engineering solutions to customers with our advanced three-dimensional solid modelling software. In this way, our customers can more easily analyze the suitability of the product to their facility and can plan the project accordingly. Two or three dimensional detailed technical drawings are available for all our products.

After-Sales Support

Our expert technicians can evaluate your existing emergency shower and eye/face wash fountain systems to ensure compliance with ANSI and EN Standards. Our expert team will assist you about training and product setup for your new emergency shower. All our products are guaranteed against production and workmanship defects for a period of 24 months.

Please contact our sales department for detailed information about our services that are suitable for you.

For such serious equipments, working with an experienced company that values human health and manufactures in accordance with international standards will be the right choice for your facility, your employees and your safety.



INDEX

- 1 The Importance of Emergency Showers and Standards
- 4 Requirements of Standards
- 7 Eye/Face Washes
- 13 Emergency Showers
- 19 Combined Emergency Showers and Eye/Face Washes
- 27 Self Contained Emergency Overhead Tank Showers
- 31 Cabin Mounted Showers
- 35 Standard Configured Cabin Mounted Systems
- 39 Cable Heated, Insulated and Jacketed Showers
- 43 Separate Header Tank & Mobile Showers
- 47 Portable Eye Washes
- 55 Decontamination Systems & CBRN Solutions
- 59 Safety Cans
- 63 Airline Breathing Systems
- 67 Optional Accessories



Turkey

Discover
the potential

The Importance of Emergency Showers and Standards

Developments in occupational health and safety, compulsory laws and regulations, have increased the importance and necessity of emergency showers. In the selection of emergency showers, the requirements of ANSI/ISEA Z358.1 and TS EN 15154 standards encourage users and people who prepare the specifications to attach importance to the quality, function, service life and suitability for the work, to provide a safe working environment. For example, if you have a workplace that is exposed to intense acid, you have to know that the emergency shower is doing its job perfectly. Even if the emergency shower is not used for weeks, months, or even years (except for weekly tests), when an emergency occurs this makes the equipment invaluable.

Some important requirements of ANSI Z358.1 standard are shown in pages 4, 5 and 6.

Optional Accessories

It is possible to equip your shower with various functional accessories, taking into account various risks. For example, you might want to equip your shower with alarm equipment, which will give audible and visual warning at the area when the shower is in use, and which you can control with scada system. As the system will be integrated during production, you have to specify the selected accessories on order.

Another example is the use of freeze or scald protection valves. Any emergency shower equipment will not accumulate water in pipes if it is equipped with the necessary freeze and scald protection valves and is completely self-draining. In this case, you will have a corrosion-resistant equipment which provides more suitable water. If the shower pipes are automatically drained through these valves, there will be no overheated or frozen water in pipes. You need to be familiar with the environmental conditions in which the shower is to be built.

For example, in very hot countries where the water supply is exposed to extreme temperatures, the water is heated up at high temperatures naturally by the sun. If the water remains at this temperature, it may damage the user or increase the existing damage.

On the last page of this catalog optional accessories are listed, with which you can customize your emergency shower as you like. If the accessories you are looking for are not listed, please contact our sales department .

The Importance and Advantages of Emergency Showers with Overhead Water Tank

ANSI standard requires to provide "TEPID" water for emergency showers defined between 16 °C and 38 °C, for 15 minutes.

Occupational safety specialists need to pay attention to the fact that they no longer have the option of giving cold water directly from the network to the emergency shower.

Because;

- If the pollutant is a burn-triggering chemical, HOT water will exacerbate burns and cause the component to penetrate into skin pores.
- On the contrary, being exposed to COLD water suddenly, causes shock and hypothermia. Additionally, pores suddenly close, causing contaminant to be trapped in pores and the attempt to wash out the contaminant fails.
- OVERHEAD WATER TANK emergency showers which have the ability to provide instant and tepid water for 15 minutes, as suggested, allow more difficult chemical components to be cleaned while aiming the user not to leave the emergency shower early due to the uncomfortable water temperature (extreme cold or hot).

If you have access to a suitable water mains providing the correct flow rate, it is possible to set up an emergency shower connected to the water mains. But such equipment will not provide tepid water and should therefore be connected to a tepid water network.



Tepid water is most efficiently provided by the emergency shower with overhead water tank;

- An OVERHEAD WATER TANK shower, is the most effective and economic solution that can guarantee tepid water via its storage.
- It is not affected by power or water cuts.
- Regardless of the water inlet temperature or outdoor temperature, thanks to the efficient management of stored water, the emergency shower provides 75,7 l/min tepid water for emergency shower and 11,4 l/min for eye/face wash, at the same time as recommended by ANSI standard.

When deciding on overhead water tank showers, you should first look at the water supply as a starting point. If you can not connect the equipment directly to a reliable mains water network, an overhead emergency shower providing instant tepid water and guaranteed flow by free fall is the ideal solution.



Overhead Tank Showers

- Provides "TEPID" water solution defined between 16 °C and 38 °C temperature for 15 minutes.
- Besides supplying tepid water for 15 minutes, options that can provide water for longer periods with cooling and heating, to work with/near to potentially hazardous materials can also be designed.
- Different material options are available;
 - Units must be completely corrosion-resistant and must be made of GRP, stainless steel or galvanized steel, which does not require high-cost maintenance, normally.
 - It is recommended that the carrying frame of overhead water tank showers that will be installed in shaky places (petroleum platform, earthquake zone, etc.) is to be made of stainless steel. The overhead water tank carrying carcass should be equipped with the necessary precautions.

Providing Suitable Tepid Water

- In cold environments usually immersion heaters that are installed in water tank are used to increase the water temperature to the desired level. In this case, showers can be used safely even at ambient temperature of -40 °C.

In systems where heating is required, the water temperature is controlled by safety thermostat. Immersion heaters are 3-4 kW, economical, have low operating cost and efficient.
- In hot climates, a water cooling unit, which ensures the shower to be used safely up to + 50 °C, can be included to the overhead water tank shower.
- In hot climates, a water cooling unit that is integrated into the overhead water tank shower, reduces the water temperature to the recommended 20 °C level. If the temperature of the water coming to the cooling unit exceeds this limit, the unit is activated. When the water temperature falls to the desired correct level, the unit is deactivated, saving energy. Water cooling units can be installed in any unit with overhead water tank.
- It is also necessary to isolate the shower cabin and the overhead water tank in the most appropriate way by taking environmental conditions into consideration. During the project, necessary precautions must be specified. Our expert team will support you in this regard.

In overhead water tank shower systems, water heater or water cooler units have EXPROOF or NON-EXPROOF options which are used in flammable and inflammable environments. According to the risk analysis, the appropriate one should be decided.

Disadvantages of Showers with Instant Heater

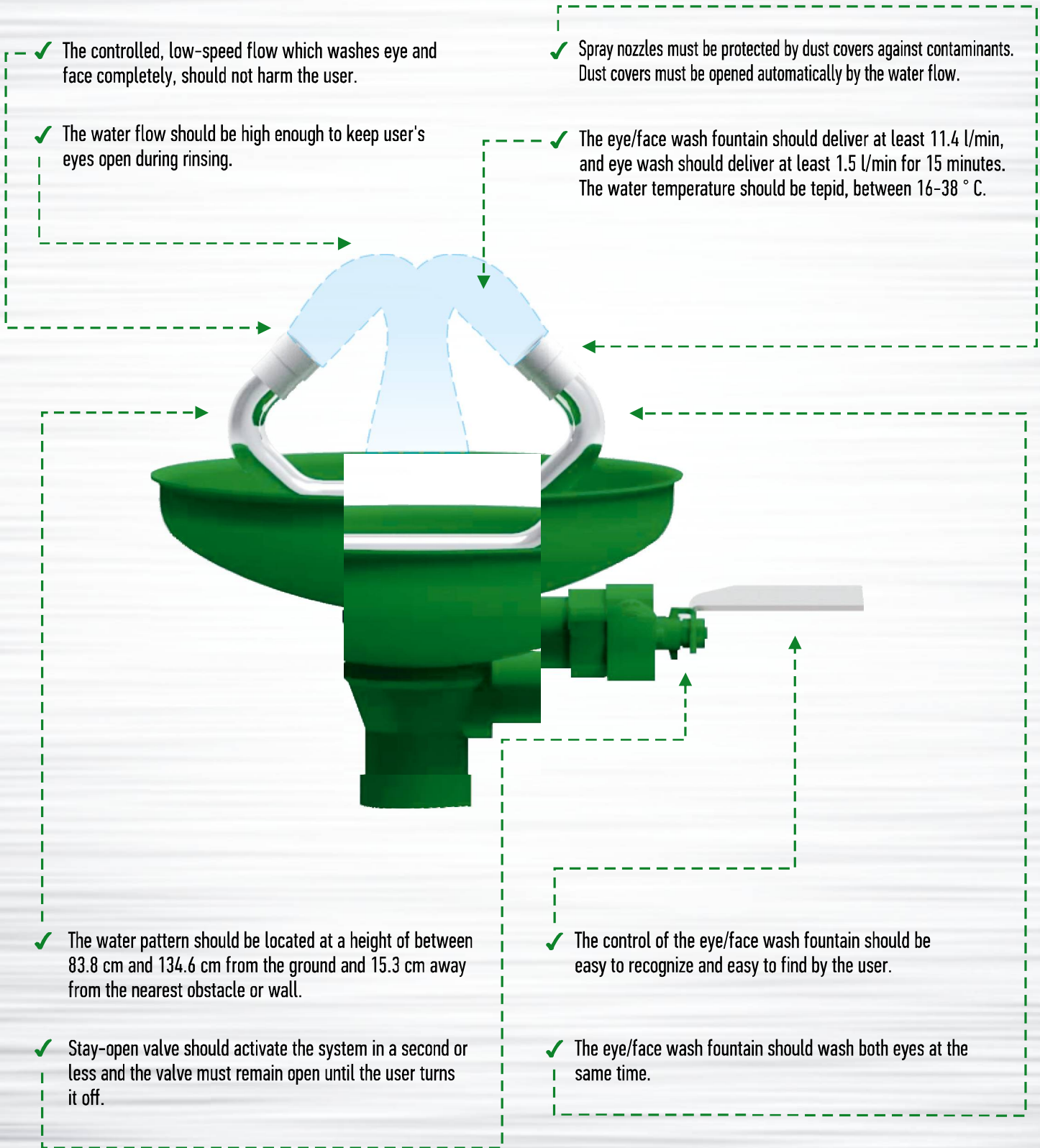
For tankless shower systems, 75.7 l/min flow rate is required only for the shower. And it is vital to warm up the first cold water that otherwise will cause thermal shock accidents. Instant heaters that are required to warm up such a suddenly flowing water is very expensive and since it requires about 110 kW power, installation can be costly. This applies even for the weekly maintenance of the system.

Our technical consultants are ready to assist our valued customers.



REQUIREMENTS OF THE STANDARD

EYE/FACE WASHES



- ✓ The controlled, low-speed flow which washes eye and face completely, should not harm the user.
- ✓ The water flow should be high enough to keep user's eyes open during rinsing.

- ✓ Spray nozzles must be protected by dust covers against contaminants. Dust covers must be opened automatically by the water flow.

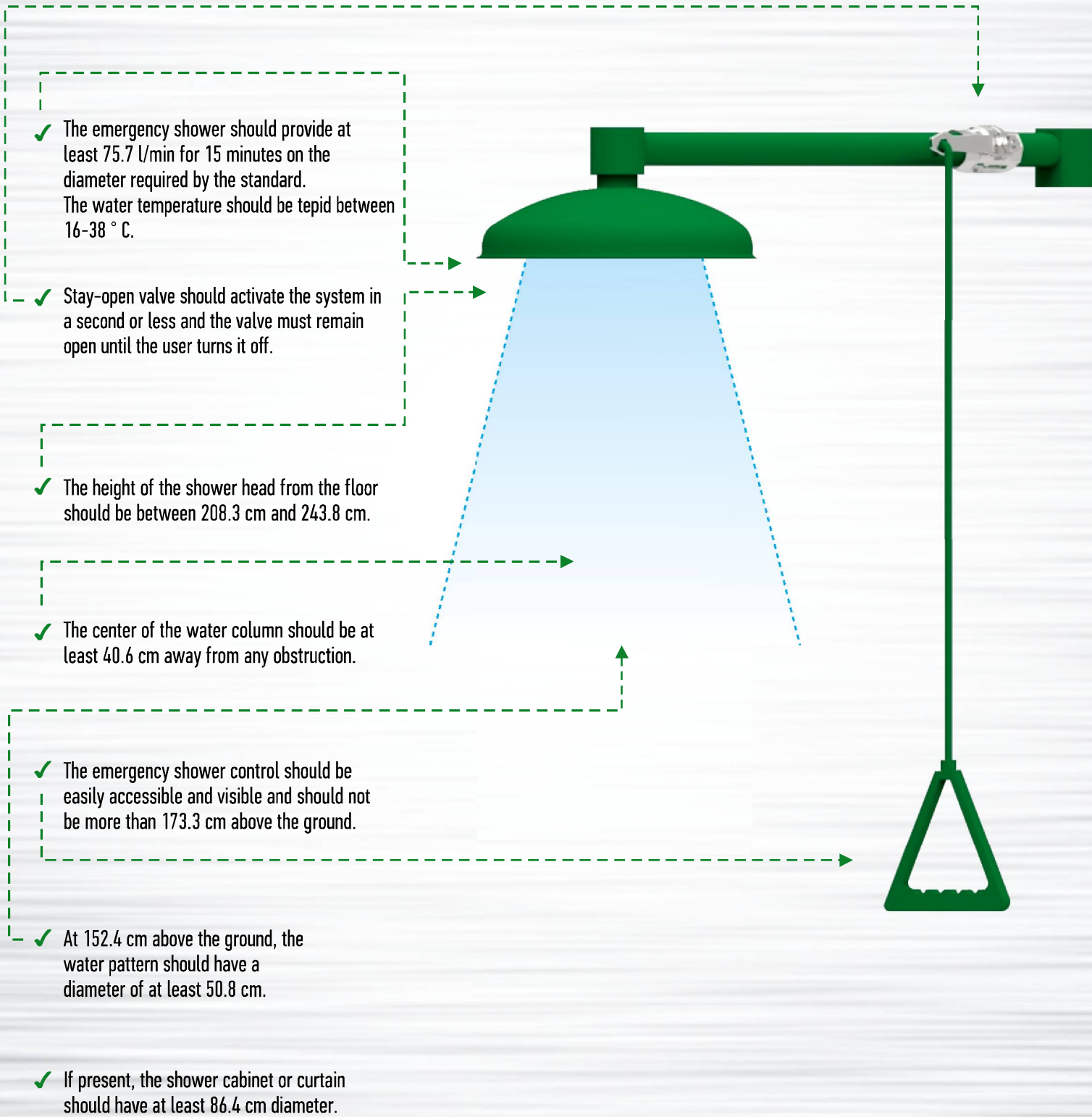
- ✓ The eye/face wash fountain should deliver at least 11.4 l/min, and eye wash should deliver at least 1.5 l/min for 15 minutes. The water temperature should be tepid, between 16-38 ° C.

- ✓ The water pattern should be located at a height of between 83.8 cm and 134.6 cm from the ground and 15.3 cm away from the nearest obstacle or wall.

- ✓ The control of the eye/face wash fountain should be easy to recognize and easy to find by the user.

- ✓ Stay-open valve should activate the system in a second or less and the valve must remain open until the user turns it off.

- ✓ The eye/face wash fountain should wash both eyes at the same time.

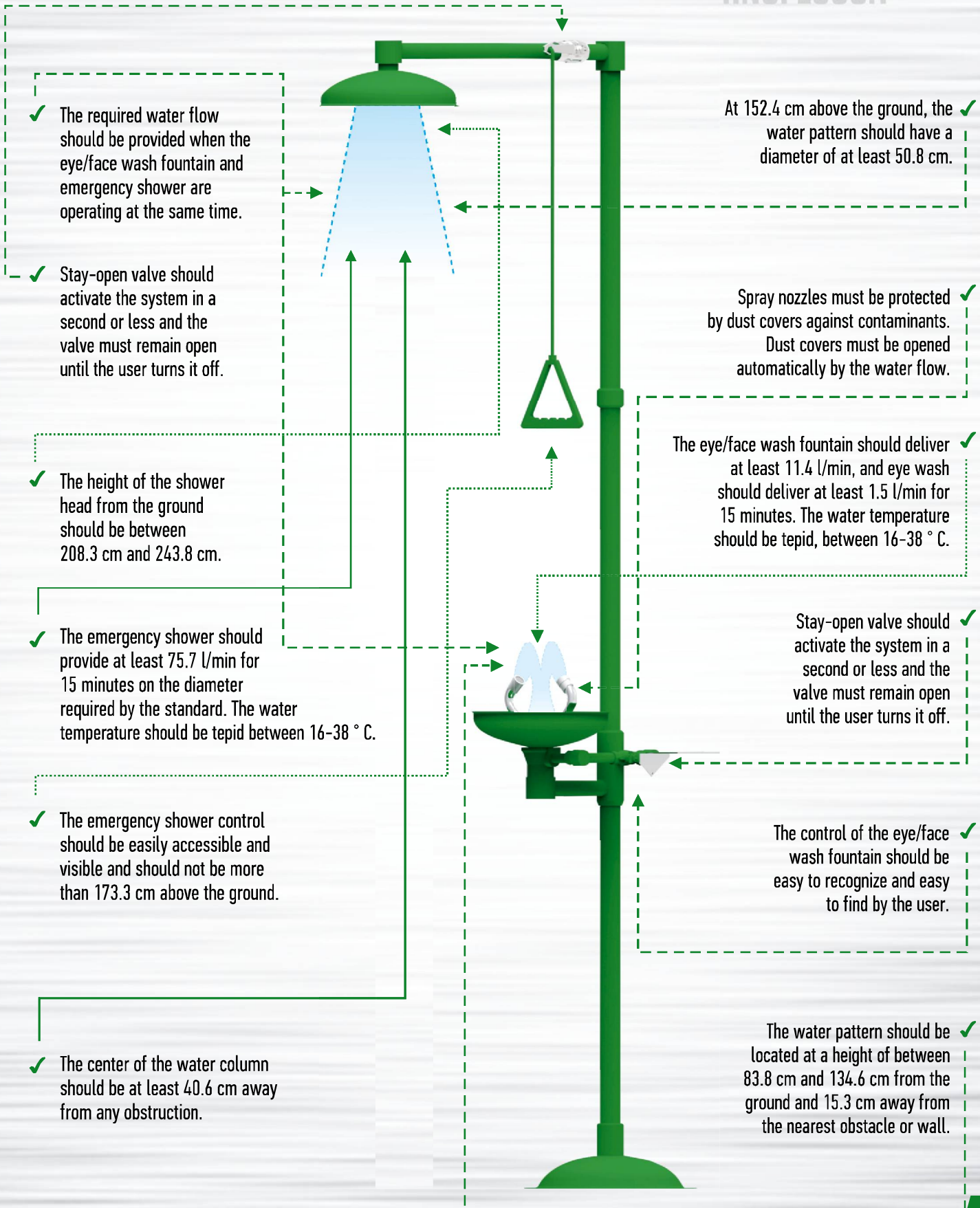


REQUIREMENTS OF THE STANDARD

COMBINED EMERGENCY SHOWER AND EYE/FACE WASHES



ANSI Z358.1



ISTEC® TYPE EW

EYE / FACE WASHES

OUR EYE/FACE WASHES
ARE CERTIFIED ACCORDING
TO TS EN 15154-2 AND
ANSI / ISEA Z358.1 STANDARDS.
AT LEAST 11,4 L FLOW RATE IS
PROVIDED FOR 15 MINUTES.
ALSO GOST-R CERTIFIED.





ISTEC® TYPE EW WALL TYPE EYE/FACE WASHES



15011500



15011600



15011000

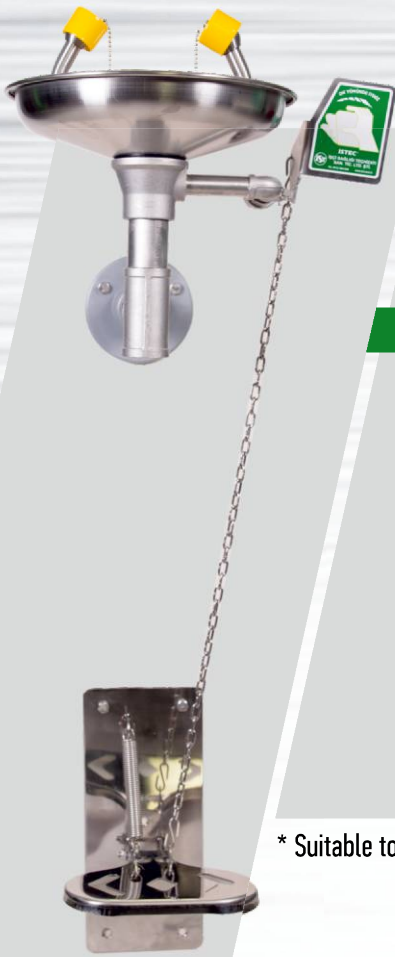


15011100

* Suitable to mount on wall by metal bracket.

* Suitable to mount on wall by flange.

Part Number	15011000	15011500	15011100	15011600
Material	Stainless Steel	Galvanized Steel	Stainless Steel	Galvanized Steel
Pipes	Water Inlet	1/2"		
	Body	1 1/4"		
	Water Outlet	1 1/4"		
Activation	Push Handle			
Bowl Diameter	300 mm			
Package Dimensions (WxLxH)	330x320x230 mm			
Weight	5 kgs	4,50 kgs	5 kgs	4,1 kgs

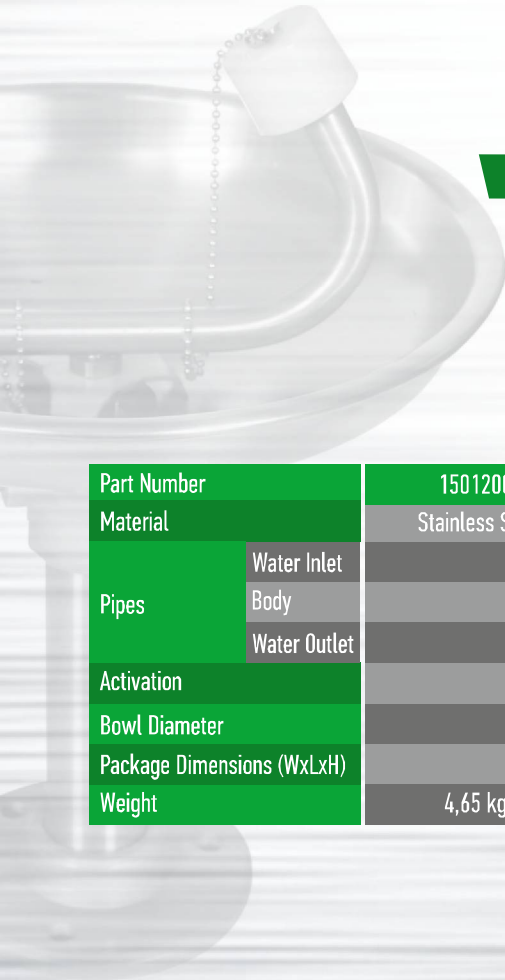


15011200

Part Number	15011200	15011700
Material	Stainless Steel	Galvanized Steel
Pipes	Water Inlet	1"
	Body	1 ¼"
	Water Outlet	1 ¼"
Activation	Foot Treadle & Push Handle	
Bowl Diameter	300 mm	
Package Dimensions (WxLxH)	350x810x170 mm	
Weight	7,4 kgs	7,4 kgs

* Suitable to mount on wall by flange.

ISTEC® TYPE EW COUNTER TYPE EYE/FACE WASHES



15012000

Part Number	15012000	15012500
Material	Stainless Steel	Galvanized Steel
Pipes	Water Inlet	1/2"
	Body	1 ¼"
	Water Outlet	1 ¼"
Activation	Push Handle	
Bowl Diameter	300 mm	
Package Dimensions (WxLxH)	320x320x230 mm	
Weight	4,65 kgs	4,30 kgs



15012500



ISTEC® TYPE EW-ESL COUNTER TYPE EYE/FACE WASHES



15012020



15012525



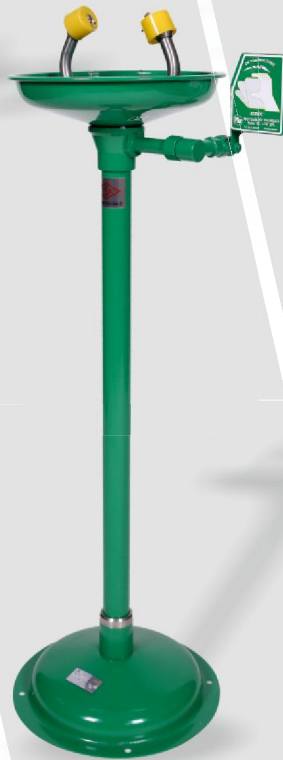
Part Number	15012020	15012525
Material	Stainless Steel	Galvanized Steel
Pipes	Water Inlet	1/2"
	Body	1"
Activation	Push Handle	
Package Dimensions (WxLxH)	320x320x230 mm	
Weight	2,95 kgs	2,95 kgs



ISTEC® TYPE EW SELF STANDING TYPE EYE/FACE WASHES



15013000



15013500



15014000



15014500

* Suitable to mount on floor by its own base.

Part Number	15013000	15013500	15014000	15014500
Material	Stainless Steel	Galvanized Steel	Stainless Steel	Galvanized Steel
Pipes	Water Inlet	1/2"		
	Body	1 1/4"		
	Water Outlet	1 1/4"		
Activation	Push Handle		Push Handle & Foot Treadle	
Bowl Diameter	300 mm			
Package Dimensions (WxLxH)	350x810x170 mm			
Weight	10 kgs	9,95 kgs	11 kgs	12,35 kgs

ISTEC® TYPES

EMERGENCY SHOWERS

OUR EMERGENCY SHOWERS ARE
CERTIFIED ACCORDING TO TS EN 15154-1
AND ANSI / ISEA Z358.1 STANDARDS.
AT LEAST 75,7 L FLOW RATE IS
PROVIDED FOR 15 MINUTES.
ALSO GOST-R CERTIFIED.





ISTEC® TYPE ES SELF STANDING TYPE EMERGENCY SHOWERS



15021000



15021500



15022000



15022500

* Suitable to mount on floor by its own base.

Part Number	15021000	15021500	15022000	15022500
Material	Stainless Steel	Galvanized Steel	Stainless Steel	Galvanized Steel
Pipes	Water Inlet	1"		
	Body	1 ¼"		
Activation	Pull Rod		Foot Treadle & Push Handle	
Bowl Diameter	300 mm			
Package Dimensions (WxLxH)	350x810x170 mm			
Weight	16,20 kgs	14,30 kgs	17 kgs	16 kgs

ISTEC® TYPE ES WALL TYPE EMERGENCY SHOWERS

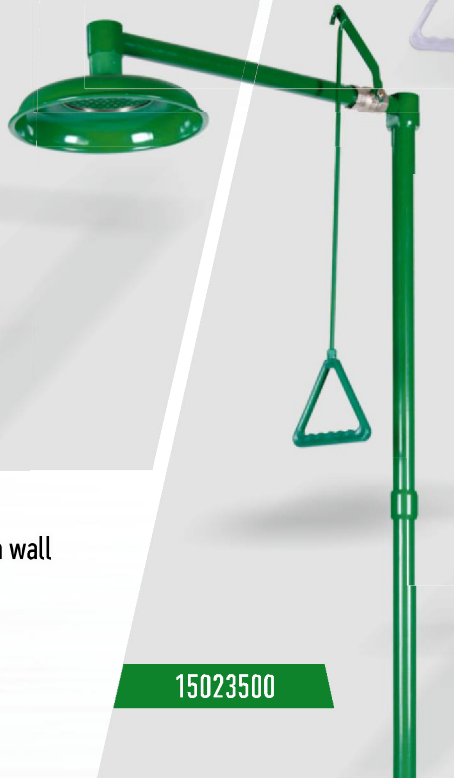


15023000

* Suitable to mount on wall by body pipes.



15024000



15023500



15024500

* Suitable to mount on wall by valve.

Part Number	15023000	15023500	15024000	15024500
Material	Stainless Steel	Galvanized Steel	Stainless Steel	Galvanized Steel
Pipes	Water Inlet	1"		
	Body	1 ¼"		1"
Activation	Pull Rod			
Bowl Diameter	300 mm			
Package Dimensions (WxLxH)	350x810x170 mm			
Weight	15 kgs	14 kgs	4,75 kgs	6,50 kgs

ISTEC® TYPE ES CEILING TYPE EMERGENCY SHOWERS



15024020



15024520

* Water inlet is placed on top. Designed to be mounted on ceiling.

Part Number	15024020	15024520
Material	Stainless Steel	Galvanized Steel
Pipes	Water Inlet	1"
	Body	1"
Activation	Pull Rod	
Bowl Diameter	300 mm	
Package Dimensions (WxLxH)	350x810x170 mm	
Weight	6,25 kgs	6,25 kgs

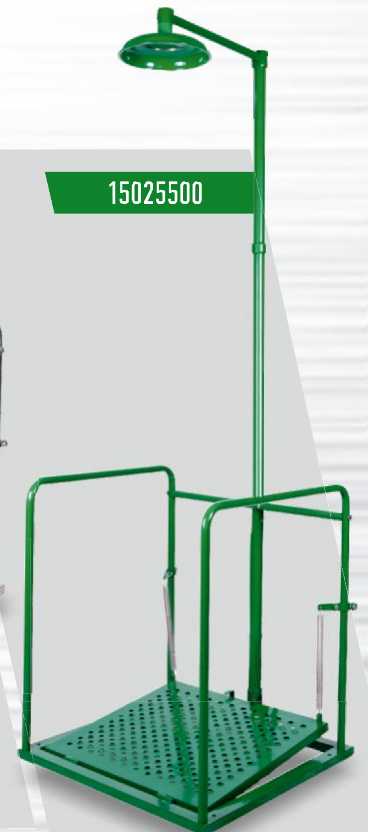
ISTEC® TYPE ES PLATFORM ACTIVATED EMERGENCY SHOWERS

Part Number	15025000	15025500
Material	Stainless Steel	Galvanized Steel
Pipes	Water Inlet	1"
	Body	1 ¼"
Activation	Platform	
Bowl Diameter	300 mm	
Package Dimensions (WxLxH)	840x950x270 mm	
Weight	31 kgs	30 kgs

- * Emergency shower with platform control and railing
- * Water automatically runs when stepped on the platform



15025000



15025500



15028000

* Water automatically runs when stepped on the platform



15028500



15028080

* Freeze protected by double valve system
* When stepped off the platform the remaining water in pipes is discarded, preventing freezing.



15028585

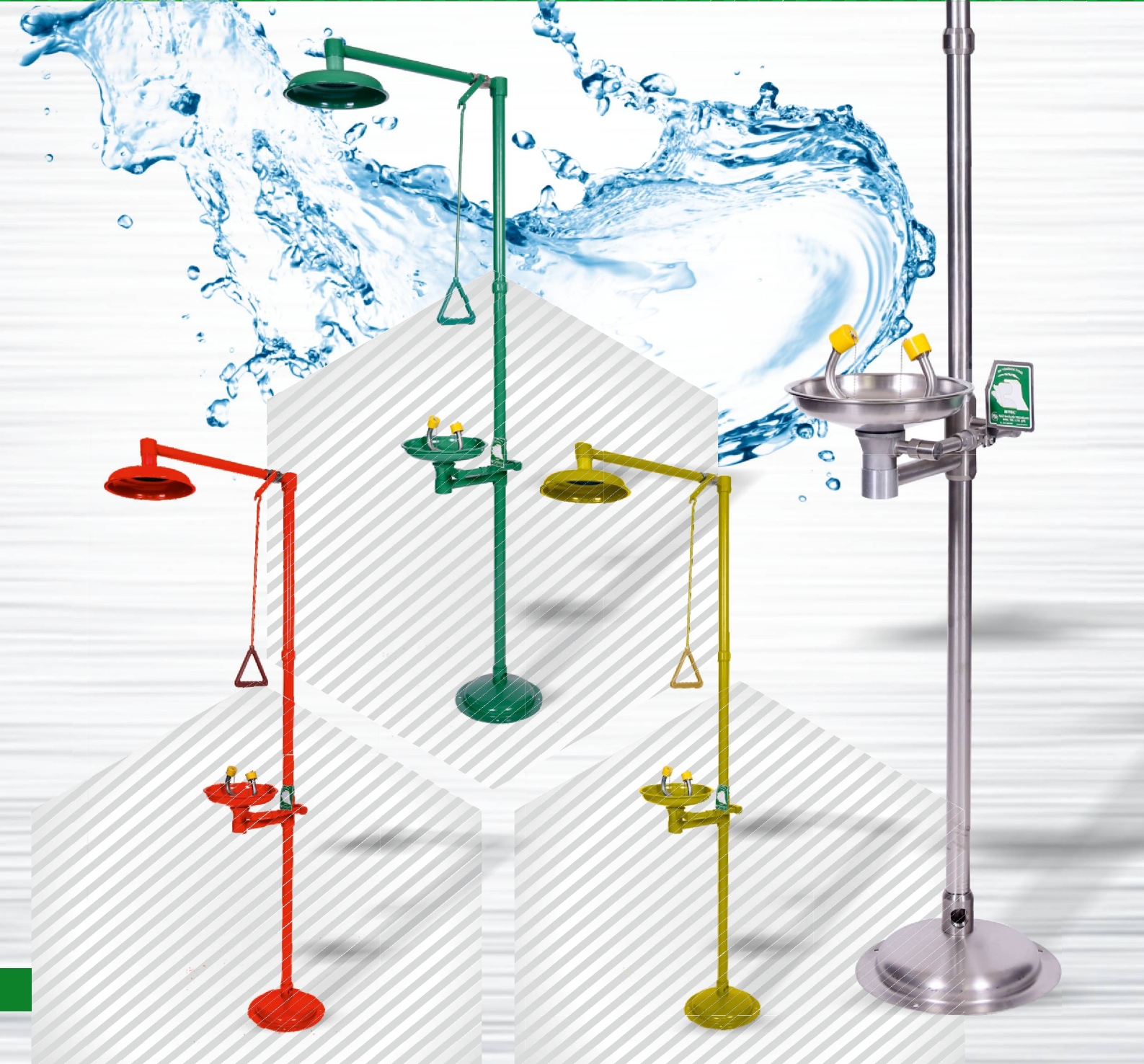
Part Number	15028000	15028500	15028080	15028585
Material	Stainless Steel	Galvanized Steel	Stainless Steel	Galvanized Steel
Pipes	Water Inlet	1"		
	Body	1 ¼"		
Activation	Platform			
Bowl Diameter	300 mm			
Package Dimensions (WxLxH)	840x950x270 mm		710x1010x270 mm	
Weight	28,50 kgs	30 kgs	33 kgs	34 kgs

ISTEC® TYPE ESW

COMBINED EMERGENCY SHOWERS AND EYE/FACE WASHES

OUR COMBINED EMERGENCY SHOWERS AND EYE/FACE WASHES ARE CERTIFIED ACCORDING TO TS EN 15154-1, TS EN 15154-2 AND ANSI/ISEA Z358.1 STANDARDS. FOR EYE/FACE WASH AT LEAST 11,4 L, FOR EMERGENCY SHOWER AT LEAST 75,7 L FLOW RATE IS PROVIDED. ALSO GOST-R CERTIFIED.





ISTEC® TYPE ESW SELF STANDING TYPE COMBINED SHOWERS



15031000



15031500



15032000



15032500

*Suitable to mount on floor by its own base.

Part Number	15031000	15031500	15032000	15032500
Material	Stainless Steel	Galvanized Steel	Stainless Steel	Galvanized Steel
Pipes	Water Inlet	1"		
	Body	1 ¼"		
Activation	Emergency Shower	Pull Rod	Pull Rod	
	Eye/Face Wash	Push Handle	Push Handle & Foot Treadle	
Bowl Diameter	300 mm			
Package Dimensions (WxLxH)	360x890x210 mm			
Weight	21,60 kgs	18 kgs	21,80 kgs	20,50 kgs



15033000



15039500



* Freeze protected
* Water inlet is provided by underground valve.

Part Number	15033000	15033500	15039000	15039500
Material	Stainless Steel	Galvanized Steel	Stainless Steel	Galvanized Steel
Pipes	Water Inlet	1"		
	Body	1 1/4"		
Activation	Emergency Shower	Push Handle & Foot Treadle		Push Handle
	Eye/Face Wash	Push Handle		Foot Treadle
Bowl Diameter	300 mm			
Package Dimensions (WxLxH)	360x890x210 mm		450x890x270 mm	
Weight	22,50 kgs	21,50 kgs	26,50 kgs	25 kgs

ISTEC® TYPE ESW WALL TYPE COMBINED SHOWERS



15034000



15034500

* Suitable to be mounted to wall by body pipes.

Part Number		15034000	15034500
Material		Stainless Steel	Galvanized Steel
Pipes	Water Inlet	1"	
	Body	1 ¼"	
Activation	Emergency Shower	Pull Rod	
	Eye/Face Wash	Push Handle	
Bowl Diameter		300 mm	
Package Dimensions (WxLxH)		360x890x210 mm	
Weight		20 kgs	16 kgs

ISTEC® TYPE ESW PLATFORM ACTIVATED COMBINED SHOWERS

Part Number		15035000	15035500
Material		Stainless Steel	Galvanized Steel
Pipes	Water Inlet	1"	
	Body	1 ¼"	
Activation	Emergency Shower	Platform	
	Eye/Face Wash	Foot Treadle	
Bowl Diameter		300 mm	
Package Dimensions (WxLxH)		840x950x270 mm	
Weight		46 kgs	44 kgs

- * Combined shower with platform control and railing
- * Water automatically runs when stepped on the platform
- * Eye/face wash is located outside the platform



15035000



15035500



15038000



15038080



15038585



- * Freeze protected by double valve system
- * When stepped off the platform the remaining water in pipes is discarded, preventing freezing.

* Water automatically runs when stepped on the platform

* Eye/face wash is located outside the platform

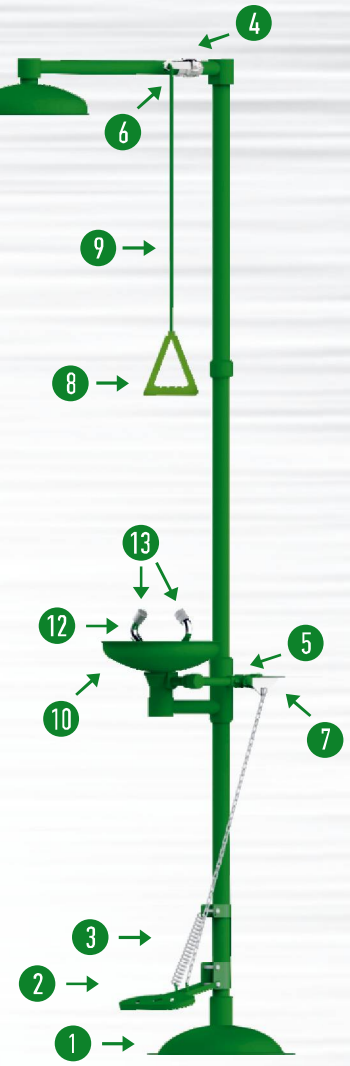
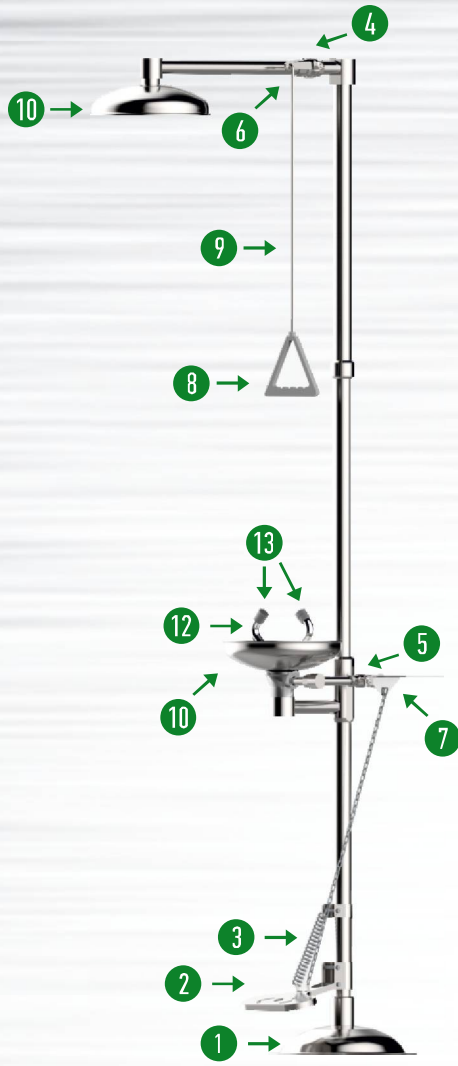
Part Number	15038000	15038500	15038080	15038585
Material	Stainless Steel	Galvanized Steel	Stainless Steel	Galvanized Steel
Pipes	Water Inlet	1"		
	Body	1 ¼"		
Activation	Emergency Shower	Platform	Pull Rod	
	Eye/Face Wash	Foot Treadle	Push Handle	
Bowl Diameter	300 mm			
Package Dimensions (WxLxH)	840x950x270 mm		710x1010x270 mm	
Weight	35 kgs	31,65 kgs	41 kgs	38,50 kgs

OPTIONAL ACCESSORIES

	ISTEC® TYPE EW EYE / FACE WASHES	ISTEC® TYPE ES EMERGENCY SHOWERS	ISTEC® TYPE ESW COMBINED SHOWERS
Water Pressure Regulator	✓	✓	✓
Chemical Resistant Coating	✓	✓	✓
Flanged Water Inlet	✓	✓	✓
Audible and Visual Alarm	✓	✓	✓
Grating / Drain Sump		✓	✓
GSM Warning System / Remote DCS Monitor	✓	✓	✓
Freeze Protection Valve	✓	✓	✓
Scald Protection Valve	✓	✓	✓
ABS/Stainless/Galvanized Steel Eye Wash Bowl	✓		✓
ABS/Stainless/Galvanized Steel Shower Head		✓	✓
ABS/Stainless/Galvanized Steel Bowl Cover	✓		✓
Thermo Rubber Eye/Face Wash Dust Covers	✓		✓
Screen		✓	✓
Curtain		✓	✓
Pipe and Fittings Insulation		✓	✓



SPARE PARTS



		STAINLESS STEEL P/N	GALVANIZED AND PAINTED STEEL P/N
1	Floor Flange	60009150	60009211
2	Foot Treadle Set	60009604	60009603
3	Spring for Foot Treadle	60009119	60009119
4	1" Ball Valve	60009043	60009064
5	1/2" Ball Valve	60009047	60009070
6	1" Valve Handle	60009185	60009224
7	1/2" Valve Push Handle Set	60009591	60009592
8	Plastic Pull Rod Handle	60009789	60009789
9	Pull Rod Wire	60009828	60009219
10	Eye Wash Bowl / Shower Head	60009160	60009221
11	ABS Eye Wash Bowl / Shower Head	60009301	60009301
12	Twin Spray Nozzles Set	60009680	60009680
13	Spray Nozzles (Aerator)	60009111	60009111
14	Dust Covers Set	60009110	60009110

ISTEC® TYPE ESW-OWT

SELF CONTAINED EMERGENCY OVERHEAD TANK SHOWERS

EMERGENCY SHOWERS AND EYE WASHES WITH OVERHEAD WATER TANK AND CABINET ARE CERTIFIED ACCORDING TO TS EN 15154-1, TS EN 15154-2, TS EN 15154-3 AND ANSI / ISEA Z358.1 STANDARDS. MINIMUM 75,7 L FLOW RATE FOR EMERGENCY SHOWER AND MINIMUM 1,5 L FLOW RATE FOR EYE WASH PROVIDED FOR MINIMUM 15 MINUTES. ALSO GOST-R CERTIFIED.





ISTEC® TYPE ESW-OWT EMERGENCY SHOWER AND EYE/FACE WASH WITH CABINET AND 630/1260 L OVERHEAD WATER TANK

Customized Unit, Cubical Type, Suitable To Supporting With 630 L & 1260 L Water Tanks For Inadequate Water Flow Conditions

Standard 630 / 1260 L Overhead Tank Showers supply 15 minutes flow rate according to the standard's requirements on the condition of being connected to mains supply that provides water at minimum 2-3 bar pressure.

Shower system and parts can be produced from different materials (Galvanized steel, 304 quality stainless steel, 316 quality stainless steel or GRP).

You can customize your tank showers with optional accessories and various parts which are available in the selection guide according to indoor or outdoor and hazardous or non-hazardous areas according to which is the most suitable choice for your application. ATEX certified ex-proof options of all accessories are available to be used at hazardous areas.

In order to keep the water temperature constant between 16-38 °C according to the requirements of the standard, water immersion heater in cold climates or chiller water cooling unit in hot climates can be included in the system as ex-proof (ATEX certified) or non ex-proof. Heating and cooling capacities may vary according to customer requirements.

Inspection hatch is available on the water tank as standard.

Green, yellow and white color options are available for galvanized steel and GRP side and rear panels.

Units are packed in high quality packaging and wooden pallets which are suitable for sea transport. All necessary safety and warning signs are available on the product.



Standard Features

Water Inlet	1" (on the rear side of water tank)
Water Flow	According to standards' requirements; Minimum 11,4 l/min for eye/face wash Minimum 75,7 l/min for emergency shower Minimum 1,5 l/min for eyewash
Water Tank	630 / 1260 L overhead water tank



ANSI/ISEA Z358.1



TS EN 15154-1
TS EN 15154-2
TS EN 15154-3

ATEX

GOST-R

Meets requirements of ANSI/ISEA Z358.1 standard.

List of optional equipments is available at the last page of the catalog.

Wide range of configurations available

ISTEC® TYPE ESW-OWT EMERGENCY SHOWER AND EYE WASH WITH CABINET AND 1500/2000 L OVERHEAD WATER TANK

Minimum 1500 l overhead tank showers guarantee 15 minutes of water flow according to the standard requirements in below circumstances;

1. Independently of the mains water supply
2. In low water pressure
3. Interruption of flow in existing water supply connection

Shower system and parts can be produced from different materials (Galvanized steel, 304 quality stainless steel, 316 quality stainless steel or GRP).

You can customize your tank showers with optional accessories and various parts which are available in the selection guide according to indoor or outdoor and hazardous or non-hazardous areas according to which is the most suitable choice for your application. ATEX certified ex-proof options of all accessories are available to be used at hazardous areas.

In order to keep the water temperature constant between 16-38 °C according to the requirements of the standard, water immersion heater in cold climates or chiller water cooling unit in hot climates can be included in the system as ex-proof (ATEX certified) or non ex-proof. Heating and cooling capacities may vary according to customer requirements.

Inspection hatch is available on the water tank as standard.

Green, yellow and white color options are available for galvanized steel and GRP side and rear panels.

Units are packed in high quality packaging and wooden pallets which are suitable for sea transport. All necessary safety and warning signs are available on the product.

Standard Features

Water Inlet	1" (on the rear side of water tank)
Water Flow	According to standards' requirements; Minimum 11,4 l/min for eye/face wash Minimum 75,7 l/min for emergency shower Minimum 1,5 l/min for eyewash
Water Tank	1500 / 2000 L overhead water tank



ANSI/ISEA Z358.1



TS EN 15154-1 ATEX
TS EN 15154-2
TS EN 15154-3



GOST-R



Meets requirements of ANSI/ISEA Z358.1 standard.

List of optional equipments is available at the last page of the catalog.

Wide range of configurations available

ISTEC® TYPE ESW-CGM

CUBICLE CABIN MOUNTED SHOWERS

CUBICLE CABIN MOUNTED EMERGENCY SHOWER
AND EYE/FACE WASHES ARE CERTIFIED
ACCORDING TO TS EN 15154-1, TS EN 15154-2
AND ANSI / ISEA Z358.1 STANDARDS.

MINIMUM 75,7 L FLOW RATE FOR
EMERGENCY SHOWER AND MINIMUM 11,4 L
FLOW RATE FOR EYE/FACE WASH
PROVIDED FOR MINIMUM 15 MINUTES.

ALSO GOST-R CERTIFIED.





ISTEC® TYPE ESW-CCM CUBICLE MOUNTED EMERGENCY SHOWER AND EYE/FACE WASH FOR INDOOR APPLICATIONS

Suitable for indoor applications.

You can customize your cubicle showers with optional accessories and various parts which are available in the selection guide according to indoor applications and hazardous or non-hazardous areas which is the most suitable choice for your application. ATEX certified ex-proof options of all accessories are available for hazardous areas.

It is recommended that the pressure of mains water supply to be 2-3 bar.

GRP grating, non slipping floor,

A testing lever which allows to operate the shower from outside can be included to the unit optionally.

An optional integrated drain sump can be added which ensures to send hazardous wastes to drain pipe safely.

Units are packed in high quality packaging and wooden pallets which are suitable for sea transport. All necessary safety and warning signs are available on the product.



Standard Features

Water Inlet	1"
Water Flow	According to standards' requirements; Minimum 11,4 l/min for eye/face wash Minimum 75,7 l/min for emergency shower



ANSI/ISEA Z358.1



TS EN 15154-1 ATEX
TS EN 15154-2

GOST-R

Meets requirements of ANSI/ISEA Z358.1 standard.

List of optional equipments is available at the last page of the catalog.

Wide range of configurations available

ISTEC® TYPE ESW-CCM CUBICLE MOUNTED EMERGENCY SHOWER AND EYE/FACE WASH FOR OUTDOOR APPLICATIONS



Suitable for outdoor applications.

You can customize your cubicle showers with optional accessories and various parts which are available in the selection guide according to outdoor applications and hazardous or non-hazardous areas which is the most suitable choice for your application. ATEX certified ex-proof options of all accessories are available to be used at hazardous areas.

The units are insulated and heated for cold climates. It is produced with insulated spring loaded doors.

Suitable to use at - 40 °C / + 55 °C ambient temperatures.

It is recommended that the pressure of mains water supply to be 2-3 bar.

Insulated cabinet, spring loaded doors and space heater, GRP grating, non slipping floor.

A testing lever which allows to operate the shower from outside can be included to the unit optionally.

An integrated drain sump can be added which ensures to send hazardous wastes to drain pipe safely.

Units are packed in high quality packaging and wooden pallets which are suitable for sea transport. All necessary safety and warning signs are available on the product.

Standard Features

Water Inlet	1"
Water Flow	According to standards' requirements; Minimum 11,4 l/min for eye/face wash Minimum 75,7 l/min for emergency shower



ANSI/ISEA Z358.1



TS EN 15154-1 ATEX
TS EN 15154-2

GOST-R

Meets requirements
of ANSI/ISEA Z358.1 standard.

List of optional equipments is available at the last page of the catalog.

Wide range of configurations available

ISTEC® TYPE ESW-GMI & GMD

STANDARD CONFIGURED CABIN MOUNTED SYSTEMS

STANDARD CONFIGURED SPECIAL CABIN MOUNTED, INSULATED, HEATED EMERGENCY SHOWER AND EYE/FACE WASH SYSTEMS ARE CERTIFIED ACCORDING TO TS EN 15154-1 AND TS EN 15154-2 AND ANSI / ISEA Z358.1 STANDARDS. MINIMUM 75,7 L FLOW RATE FOR EMERGENCY SHOWER AND MINIMUM 11,4 L FLOW RATE FOR EYE/FACE WASH PROVIDED FOR MINIMUM 15 MINUTES. ALSO GOST-R CERTIFIED.



ERC/GOST-R



American National Standards Institute



ISTEC® TYPE ESW-CMI & CMO CABIN MOUNTED, INSULATED, HEATED, SPECIAL EMERGENCY SHOWER AND EYE/FACE WASH SYSTEMS FOR OUTDOOR AND INDOOR USE

Our company which provides permanent solutions to ensure the safety of workers in extreme conditions, also offers solutions for special designed turn-key cabin mounted, heated, insulated emergency shower systems for outdoor or indoor use.

It is ready to operate in case of emergency and keeping water temperature at a suitable range. Cabinets are insulated as suitable to the requirements of extreme conditions and made of high quality materials against the destructive effects of solar ray and extreme cold climates. You can use our special engineered products safely in the direction of your needs. Our products can be produced or designed to be used in hazardous environments (ATEX Certified) as ex-proof according to industrial area where the units will be used.

Specifications

- Water-proof walls and ceiling
- Cabinet is mounted on steel main frame
- 100% fiberglass coated from inside and outside
- Resistant against natural events and solar rays
- Insulation on walls and doors
- Spring loaded doors can be opened towards inside or outside
- Suitable for carrying by forklift or lifting crane

Options

Outdoor

ISTEC® Type ESW-CMO-2

Tepid water inlet, Cabin mounted, Insulated, Heated

ISTEC® Type ESW-CMO-3

Hot water inlet, Cabin mounted, Insulated, Heated

ISTEC® Type ESW-CMO-4

Hot water tank heater, Cabin mounted, Insulated, Heated

ISTEC® Type ESW-CMO-6

Tepid water tank heater, Cabin mounted, Insulated, Heated

Indoor

ISTEC® Type ESW-CMI-2

Tepid water inlet, Cabin mounted

ISTEC® Type ESW-CMI-3

Hot water inlet, Cabin mounted

ISTEC® Type ESW-CMI-4

Hot water tank heater, Cabin mounted



TS EN 15154-1
TS EN 15154-2



ATEX



GOST-R



ANSI/ISEA Z358.1



Meets requirements
of ANSI/ISEA Z358.1 standard.

STANDARD (S) AND OPTIONAL (O) EQUIPMENTS FOR OUTDOOR SYSTEMS

	ESW-CMO-2	ESW-CMO-3	ESW-CMO-4	ESW-CMO-6
Cabinet	S	S	S	S
Freeze Protection Valve	S	S	S	S
Scald Protection Valve	S	S	S	S
Electrical Box	S	S	S	S
Hot Water Tank Heater	-	-	S	-
Thermostatic Mixing Valve	-	S	S	-
Tepid Water Tank Heater	-	-	-	S
Audible and Visual Alarm	S	S	S	S
Hydrophore (Pump)	O	O	O	S
Space Heater	S	S	S	S
Internal Lighting	S	S	S	S

STANDARD (S) AND OPTIONAL (O) EQUIPMENTS FOR INDOOR SYSTEMS

	ESW-CMI-2	ESW-CMI-3	ESW-CMI-4
Cabinet	S	S	S
Freeze Protection Valve	O	O	O
Scald Protection Valve	O	O	O
Electrical Box	O	S	S
Hot Water Tank Heater	-	-	S
Thermo Mixing Valve	-	S	S
Audible and Visual Alarm	O	O	O
Hydrophore (Pump)	O	O	O
Space Heater	O	O	O
Internal Lighting	O	O	O

ISTEC® TYPE ESW-ICH

CABLE HEATED, INSULATED AND JACKETED SHOWERS

CABLE HEATED, INSULATED AND JACKETED
EMERGENCY SHOWER AND EYE/FACE WASHES
ARE CERTIFIED ACCORDING TO
TS EN 15154-1 AND TS EN 15154-2
AND DESIGNED AS PER ANSI / ISEA Z358.1
STANDARDS. MINIMUM 75,7 L FLOW RATE FOR
EMERGENCY SHOWER AND MINIMUM
11,4 L FLOW RATE FOR EYE/FACE WASH
PROVIDED FOR MINIMUM 15 MINUTES.
ALSO GOST-R CERTIFIED.



EAC/GOST-R



ESTELC



ISTEC® TYPE ES-ICH & ESW-ICH CABLE HEATED, INSULATED AND JACKETED EMERGENCY SHOWER AND EYE/FACE WASHES

Protective against freezing with cable heating (10-15 W/m, AC 230 V, Ex-Proof), complete insulation and jacketed type system and suitable to use at extreme cold weather conditions (outdoor) and hazardous environments.

304 quality stainless steel, 316 quality stainless steel or galvanized steel material options are available. You can customize your emergency shower and eye/face wash fountain with optional accessories and various parts which are available in the selection table according to indoor or outdoor / hazardous or non-hazardous areas according to which is the most suitable choice for your application. ATEX certified ex-proof options of all accessories are available to be used at hazardous areas.

It is recommended that pressure of mains water supply to be 2-3 bar.

It is suitable to use up to -40°C temperature.

Water tanks are packed in high quality packaging and wooden pallets which are suitable for sea transport.

All necessary safety and warning signs are available on the product.



TS EN 15154-1
TS EN 15154-2



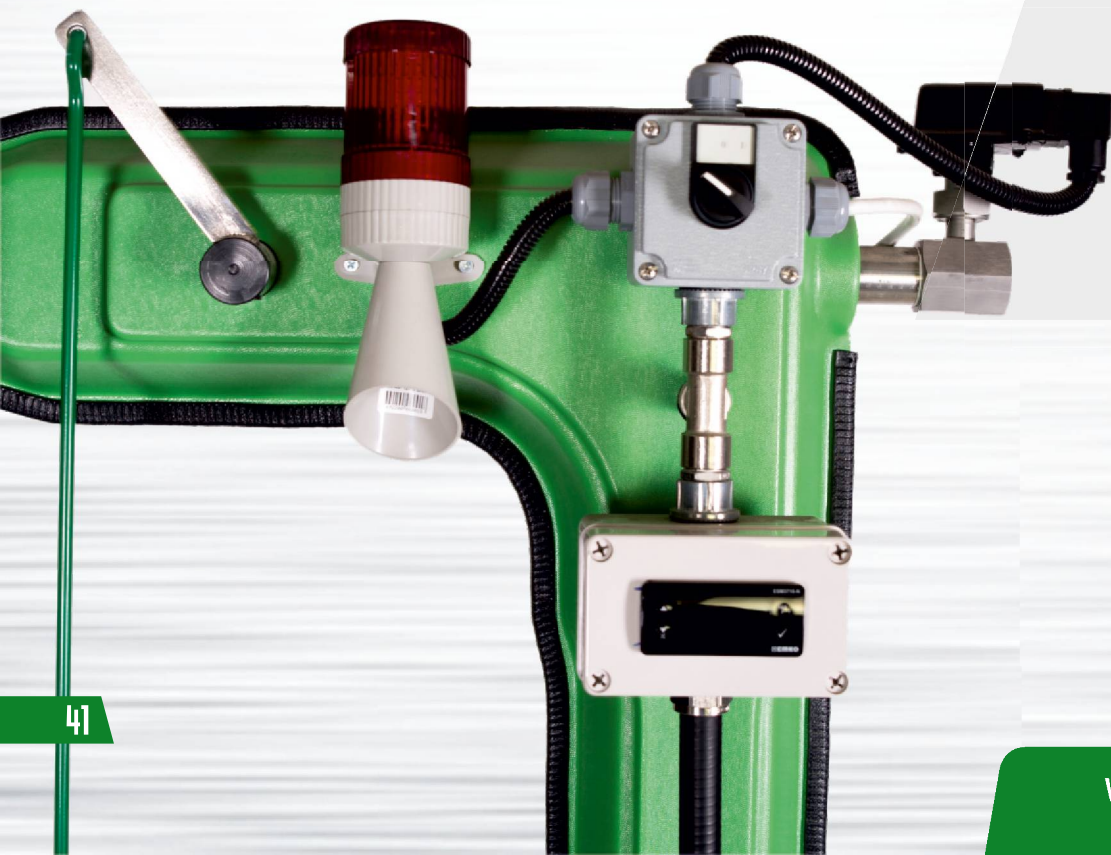
ATEX



GOST-R



Meets requirements
of ANSI/ISEA Z358.1 standard.





List of optional equipments is available at the last page of the catalog.

ISTEC® TYPE SHT & MSS

SEPARATE HEADER TANKS & MOBILE SHOWERS

ISTEC® TYPE SHT SEPARATE HEADER TANKS ARE SUITABLE TO BE USED WITH ALL EMERGENCY SHOWER AND EYE/FACE WASH MODELS.

ISTEC® TYPE MSS TRAILER MOUNTED PORTABLE SYSTEMS WITH WATER TANK ARE SUITABLE TO BE USED AT AREAS WHERE THERE IS NO WATER SUPPLY OR FOR TEMPORARY PROJECTS.

FROM THE STANDARDS' REQUIREMENTS; EMERGENCY SHOWER SHALL BE CAPABLE OF DELIVERING FLUSHING FLUID AT A MINIMUM 75.7 LITERS, EYE/FACE WASH SHALL BE CAPABLE OF DELIVERING FLUSHING FLUID AT A MINIMUM 11.4 LITERS PER MINUTE FOR MINIMUM 15 MINUTES.





ISTEC® TYPE SHT 1260/1500/2000 L SEPARATE HEADER TANKS

Standard 1500/2000 L tanks guarantee 15 minutes of water flow according to the standards' requirements in below circumstances ;

1. Independently of the mains water supply
2. In low water pressure
3. Interruption of flow in existing water supply connection

Water tank is produced from galvanized steel as standard. It can be produced from stainless steel or polyethylene optionally.

Water tank panels are produced from galvanized and painted steel as standard. Green, yellow and white color options are available. Optionally, 304 quality stainless steel, 316 quality stainless steel or GRP panels can be mounted.

Ideal to deliver water during 15 minutes at areas where there is no mains water supply and not enough space and height for overhead tank showers.

Water tank models that provide 30 minutes of water supply are available.

ATEX certified Ex-proof options are available to allow all accessories and equipments to be used in hazardous environments.

An external pump or hydrophore should be used because of the tank is mounted lower from the shower level.

Water tanks are packed in high quality packaging and wooden pallets which are suitable for sea transport.

All necessary safety and warning signs are available on the product.



Standard Specifications

Water Inlet	1" (On Back of Tank)
Water Flow	According to the standards' requirements; Minimum 11,4 l/min for eye/face wash Minimum 75,7 l/min for emergency Shower Minimum 1,5 l/min for eyewash
Water Tank	1260/1500/2000 L insulated galvanized steel
Water Tank Panels	Galvanized and painted steel or GRP (Green, yellow and white color options are available).



ATEX



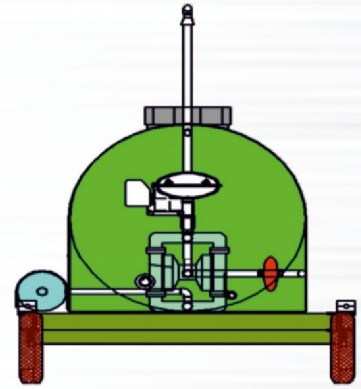
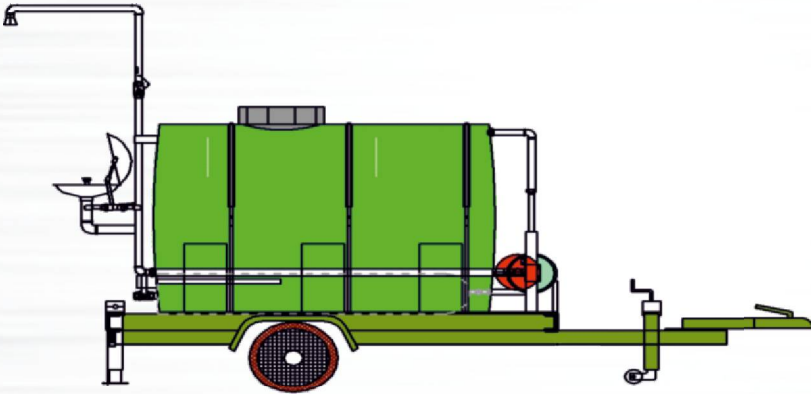
ISTEC® TYPE MSS TRAILER MOUNTED EMERGENCY SHOWER AND EYE/FACE WASHES WITH 1500 L WATER TANK

Standard 1500 L Mobile tank showers guarantee 15 minutes of water flow according to the standards' requirements in below circumstances ;

1. Independently of the mains water supply
2. In low water pressure
3. Interruption of flow in existing water supply connection

Suitable to be used at areas where there is not water supply or for temporary projects.

- 1500 L water tank is mounted on the trailer.
- Signals, lights, license plates, brake lamps etc. are provided on the trailer according to the Highway regulations.
- Suitable to use at -5 C° / $+40\text{ C}^{\circ}$ temperature range.
- Stainless steel or galvanized and painted steel shower material options are available. Green, yellow and white color options are available for trailer, water tank and shower.
- Pneumatic water pump for hazardous environments,
- Electrical water pump for non hazardous environments,
- 50 L 200 bar air cylinder including pressure regulator with its bracket and straps to operate the pneumatic pump,
- Stabilizing legs, bumper bar, visual water level indicator, expansion tank, green-white stripes safety signs are provided with the product as standard.



TS EN 15154-1
TS EN 15154-2



ATEX



GOST-R



Meets requirements
of ANSI/ISEA Z358.1 standard.

ISTEC® TYPE EW-P

PORTABLE EYE WASHES

PORTABLE EYE WASHES ARE CERTIFIED
ACCORDING TO TS EN 15154-4 AND
ANSI / ISEA Z358.1 STANDARDS.
EYE WASHES SHALL BE CAPABLE OF
DELIVERING FLUSHING FLUID
AT MINIMUM 1.5 LITERS PER MINUTE
FOR MINIMUM 15 MINUTES.
ALSO GOST-R CERTIFIED.





ISTEC® TYPE EW-P PORTABLE EYE WASHES WITH FIXED OR TRIGGERED VALVE AND PRESSURIZED WATER TANK

- Produced with 25 L water tank as standard. Can be produced in different capacities according to customer's demand.
- Works with compressed air.
- Produced from stainless steel material.
- Designed to use in areas where fixed eye/face wash fountains can not be installed and where there are various hazards at working areas or during temporary work.
- Can be carried by two people easily.
- 2" water filling plug is available.
- In case of danger, aerated clean water is sprayed by pressing the valve lever. As standard, push handle operated and fixed spray nozzle equipped system is produced. Can be produced with triggered valve in the direction of customer's request or with both triggered valve and fixed spray nozzle.
- After use, water and air filling operations are repeated and continuous usage is ensured.

Options

- System with fixed spray nozzle
- System with triggered valve
- Easy carriage trolley
- Different capacities of water tank



TS EN 15154-4



GOST-R

15019010



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ISTEC® TYPE EW-P GRAVITY FED PORTABLE EYE WASHES WITH FRESH AND WASTE WATER TANK AND TROLLEY

- The system operates with gravity fed 60 L water tank above. Compressed air is not required.
- Produced from stainless steel material.
- Designed to use in areas where fixed eye/face wash fountains can not be installed and where there are various hazards at working areas or during temporary work.
- Easily carried by wheeled trolley system.
- 2" water filling plug is available.
- Produced with 60 L clean and waste water tank as standard. Can be produced in different capacities according to customer's demand.
- In case of danger, aerated clean water is sprayed by pressing the valve lever.
- After use, water filling operation is repeated and continuous usage is ensured.

Options

- Stainless steel or galvanized steel material options for fresh and waste water tank
- System with fixed spray nozzle
- System with triggered valve (hand wash)
- Easy carriage trolley
- Different capacities of water tank
- Plastic waste water tank



TS EN 15154-4
(Models with
40/60 L Water Tank)



GOST-R



ANSI/ISEA Z358.1
(Models with
70 L Water Tank)



Meets requirements
of ANSI/ISEA Z358.1 standard



ISTEC® TYPE EW-P GRAVITY FED PORTABLE EYE WASHES

- Portable eyewash units use gravity to spray water through double spray heads.
- The unit gives uninterrupted water for 15 minutes. The plastic tank can be installed in a wide variety of places without clean water supply. It should be filled with clean, potable water and added sterilized liquid. The unit should be inspected regularly and the water should be changed at least every six months.
- The self-contained unit provides water for 15 minutes.
- Carrying handles provide an easier handling. It provides convenience for carrying and transportation in virtue of its small sizes.
- Made of chemical resistant, high density polyethylene material.
- Wide filling cover is available for easy filling, cleaning and inspection.
- Easy installation to wall by bolted bracket without plumbing. It can easily be placed in close proximity to a variety of occupational hazards with a single cantilever mount.
- The easy-to-use design, simple, highly visible operating instruction is available on the unit.
- Eye wash is activated by pulling down the retractable tray (available models).
- The retractable tray prevents contamination of airborne pollutants and provides hygiene. There are nozzle covers in models that do not have a retractable tray.
- High visibility colors enable the employee to identify the product faster in case of emergency.
- Spray nozzle heads cover a large area around the eye.
- Simple strap design allows easy removal and activation for hands-free washing.
- Each eye wash unit is accompanied by an emergency safety sign.
- Meets the requirements of ANSI Z358.1 standard. According to ANSI Z358.1 and IS 10592 standards, the unit provides minimum 1.5 liters per minute at least 15 minutes.

Options

- Antibacterial additive that prevents formation of bacteria in the water in the reservoir.
- 60 l and 30 l capacity options
- Easy carriage trolley
- Waste water collection can

Area of Use

- All fields that require working with various chemicals
- Fire and emergency teams, hazmat vehicles
- Remote places in mining, agriculture and construction disaster management sites where there is no mains water supply
- Temporary works



Meets requirements
of ANSI/ISEA Z358.1 standard





ACTIOMEDIC BIOPHOS74 STERILE EYEWASH BOTTLE FOR CHEMICAL BURNS

- 250 ml phosphate (4,9%) sterile eye wash solution
- Suitable to use for injuries caused by chemical substances and their derivatives (acid, caustic, alkali, vesicant etc.)
- Recommended to rinse the eye with 500 ml sodium chloride (NaCl 0,9%) sterile eye wash solution after using 250 ml phosphate (4,9%) sterile eye wash solution in acid injuries.
- The approximate rinse time is two minutes.
- Can be used to interfere with chemical burns caused by chemical substances on the skin.
- Easy to carry.
- There is a specially designed polypropylene cover suitable for eye sockets.



B.BRAUN STERILE EYEWASH BOTTLE FOR DUST

- Suitable to use for first response.
- 500 ml sodium chloride (NaCl 0,9%) sterile eye wash solution.
- Helps removing dust, dirt, metal, wood and other substances from the eye.
- Disposable.
- Easy to carry.
- There is a specially designed polypropylene cover suitable for eye sockets.



B.BRAUN WALL KIT INCLUDING MIRROR

- Consists of 2x 500 ml sodium chloride (NaCl 0,9%) sterile eye wash solution.
- The front surface of the wall hanging apparatus has a transparent plastic cover.
- Mounting screws and plastic anchor for easy connection to the wall are available.
- Mirror is available in the kit
- Supplied in a sturdy cardboard packaging.
- Suitable for emergency response
- Eyewash bottles are disposable.



B.BRAUN WALL KIT INCLUDING MIRROR

- Consists of 500 ml sodium chloride (NaCl 0,9%) sterile eye wash solution and 250 ml phosphate (4,9%) sterile eye wash solution
- The front surface of the wall hanging apparatus has a transparent plastic cover.
- Mounting screws and plastic anchor for easy connection to the wall are available.
- Mirror is available in the kit
- Supplied in a sturdy cardboard packaging.
- Suitable for emergency response
- Eyewash bottles are disposable.



SAFETY STORAGE CABINET FOR EYEWASH BOTTLES

It is produced for safe and hygienic storage of eye wash solutions at indoor or outdoor applications.

- Durable galvanized and painted steel construction
- Door with window and high quality lock mechanism
- Insulation inside cabinet to prevent freezing and efficient storage at cold climates
- Easy to install and repair
- All necessary safety signs are available.
- It is produced in green color as standard. Yellow and red color options are available.

It is produced with 4 pieces eyewash bottle hangers as standard. Please contact for custom design.

Options

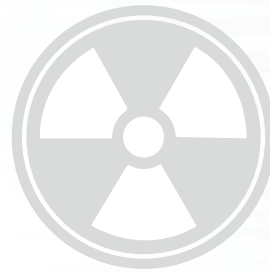
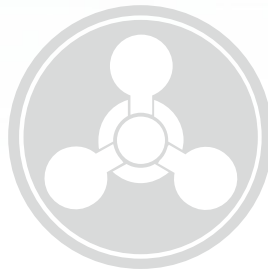
- Cable heating inside cabinet for freeze protection (Ex-Proof or Non Ex-Proof)
- Insulation inside cabinet
- Mirror inside cabinet
- Chemical resistant coating



ISTEC[®] TYPE DECO

DECONTAMINATION SYSTEMS & CBRN SOLUTIONS

DECONTAMINATION UNITS ARE SYSTEMS THAT PROVIDE SANITATION AND DECONTAMINATION TO PERSON WHO EXPOSED TO CHEMICAL, BIOLOGICAL, RADIOACTIVE AND NUCLEAR AGENTS AS WELL AS BURNING BODY OR CLOTHES BY MEANS OF SPRAYING SPECIAL LIQUID OR WATER. DECONTAMINATION SYSTEMS SPLIT INTO TWO DIVISIONS AS INDUSTRIAL TYPE AND CBRN TYPE.



ERC/COST-R



INDUSTRIAL TYPE STANDARD DECONTAMINATION UNIT

The system automatically operates when user steps on the platform.

An equal amount of water or special liquid is sprayed to whole parts of the body in virtue of 14 pieces spray nozzles with moveable head.

Rapid and easy washing is provided by spinning the water.

Side and rear panels can be added to create a practical cabinet.

Options

- Ex-proof or non ex-proof audible and visual alarm equipment
- Ex-proof or non ex-proof lighting
- GRP platform / grating
- 316 stainless steel material
- Triggered hand brush for chemical washing
- Mixing pump for chemical washing
- Water pressure regulator
- Flanged water inlet
- Side & rear panels or shelter
- Separate header tank
- Hydrophore (pump)
- Waste water draining or collection sump



DECONTAMINATION UNITS WITH 300 L WATER TANK AND SHELTER

The pump, which works in conjunction with the valve handle, is automatically switched on by the flow when the valve is opened. When the pump circuit is on, it gives a warning signal with the red light on the panel, the water flow starts and when the valve is closed the water flow stops.

Water tank is standard as 300 lt (Can be produced in different volumes on customer request).

The water tank material is polyethylene plastic.

Different sterile liquids can be added in water tank for washing the body.

Automatic control from the valve can be applied to all shower models.

Can be produced from stainless steel or galvanized and painted steel material.

PORTABLE, MODULAR TYPE, PLATFORM OPERATED, CBRN TYPE DECONTAMINATION UNIT WITH WASTE WATER DRAIN SUMP

The system works with pressurized water.

The system automatically operates when user steps on the platform.

An equal amount of water or special liquid is sprayed to whole parts of the body in virtue of 14 pieces spray nozzles with moveable head.

Rapid and easy washing is provided by spinning the water.

Side and rear panels can be added to create a practical cabinet.

Options

- A line system can be designed to use as a modular structure with units of 1-2-3.
- Ex-proof or non ex-proof audible and visual alarm equipment
- Ex-proof or non ex-proof lighting
- GRP platform / grating
- 316 stainless steel material
- Triggered hand brush for chemical washing
- Mixing pump for chemical washing
- Transparent strip curtain at unit entrance and exit
- Water pressure regulator
- Flanged water inlet
- Stainless steel, galvanized steel or grp side and rear panels or pu canvas
- Water tank and hydrophore for environments where the water pressure is Not enough or there is no water supply
- Waste water pump and tank
- Thermostatic mixing valve to provide tepid water if hot and cold water Supply are available.



Fixed decontamination systems are installed in areas determined by first aid facilities which has waterline infrastructure, to decontaminate people who are exposed to chemical contaminants and/or war gases.

Optional clean water tank works as an independent system combined with heater, hydrophore, waste water tank and generator.

The decontamination system works by connecting to a water line which provides a flow rate of at least 50 L / min and contains clean water. An industrial water heater burner with water softener can be added to the system on customer's request.

In places where there is no fixed water line or water pressure is not sufficient, a polyethylene tank with a water capacity of at least 1500 L and a backup emergency storage tank can be added to the system on request.

The decontamination system is manufactured from 304 quality stainless steel as standard.

The decontamination system has an easy-open valve system and distributes the water in the system at the same pressure and at the same time to each and every spray nozzle.

Provides water spraying to all parts of the body with 24 spray nozzles in the system. Quick, easy and effective washing is provided by rotary spraying of water.

Also includes 2 triggered hand brush.

Hazardous waste water that is formed during decontamination, is collected in 304 stainless steel collection tray placed under the shower system and stored in the portable pillow bag with the help of waste water pump which includes level switch.

There is a built-in mixer pump that mixes the chemicals used in the decontamination shower system to clean the chemical or war gases and mixes them with water.

Mixer pump is integrated into the system in a way that enables deactivating when necessary, to rinse with clean water only.

The decontamination system is designed so that the privacy rights of the victims/patients are not compromised and two sides are designed as closed panels and there is shower curtain at the entrance. It allows rapid purification in multiple interventions.

The decontamination system is equipped with all necessary warning plates and labels.

Standard model dimensions are 150 x 300 x 240 cm.



Options

- Ex-proof or non ex-proof audible and visual alarm equipment
- Ex-proof or non ex-proof internal or external lighting
- 316 stainless steel material
- Water pressure regulator
- Flanged water inlet
- Separate water tank
- The system can be mounted on trailer.
- Different sterile liquids can be put into the tank to be used for body washing.
- The automatic control from the valve can be applied to every model.
- Ramp system for stretcher on entry and exit.

SAFEGAN®

SAFETY STORAGE & CARRYING & PLUNGER CANS

THE PURPOSE OF A SAFETY CAN IS
THE CONTROL OF FLAMMABLE
VAPORS WHILE CARRYING,
DISPENSING AND STORING
OF VARIETY OF HAZARDOUS
FLAMMABLE LIQUIDS SUCH AS GASOLINE,
DIESEL, BENZENE ETC.
OUR SAFETY CANS ARE CERTIFIED
ACCORDING TO TSEK 207 STANDARD.



EAC/GOST-R



SAFECAN®

GÜVENLİK KABLARI
SAFETY CAN

4 litre
4 liters
1 gallon



İSTİ İleri Sağlık Teçhizat
Sanayi ve Ticaret Ltd Şti

SAFECAN® SAFETY CANS

TYPE 1 SAFECAN®

SAFECAN® safety cans are designed to provide safe transportation and storage of flammable liquids.

Filling and pouring are provided from the same cap at Type 1 models.

Safety can models with faucet are available

Produced in various capacities between 2 L and 19 L.



19 L / 15 L / 11,5 L / 9,5 L / 7,5 L / 4 L / 2 L



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K 207

TYPE 2 SAFECAN®

SAFECAN® safety cans are designed to provide safe transportation and storage of flammable liquids.

Filling and pouring are provided from the separate caps at Type 2 models.

Removable flexible metal hose.

Produced in various capacities between 2 L and 19 L.



19 L / 15 L / 11,5 L / 9,5 L / 7,5 L / 4 L / 2 L



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K 207

SAFECAN® PLUNGER CANS

While working with hazardous liquids, SAFECAN® plunger cans eliminates the possibility of spillage and scattering.

Thanks to its special spring mechanism, the liquid in the container is poured when pressed from above, thus enabling clean and economical use.



4 L / 2 L



22050004



K 207

Stainless steel or galvanized and painted steel material options are available.

SAFECAN® DESIGN FEATURES

Swinging handle makes it easy to pour and carry heavy containers.

Spring loaded and self-closing leakproof cap discharges vapors, keeps fire and oxygen out and closes automatically after filling/pouring against spills.

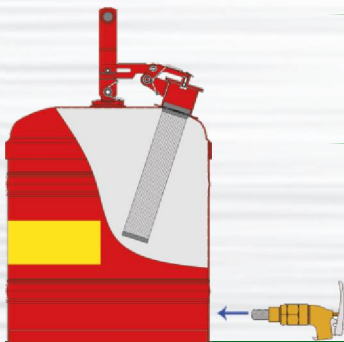
0,70 mm thickness of durable steel plate reinforced body minimizes the effects of corrosion and humidity.

Internal flame arrester within the filling/pouring spout dissipates heat to prevent flashback ignition and guards against the potential fire and explosion.

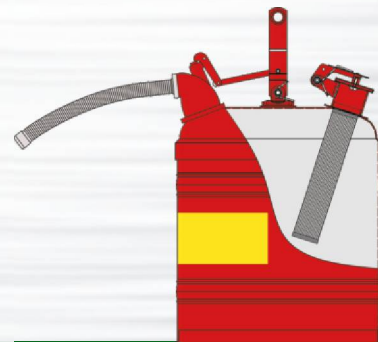
Yellow warning and instruction signs on body

Special reinforcing ribs for extra protection for using in tough environments.

Seamless spinning technology at base to prevent corrosion and provides protection against accidental impacts.



Faucet for easy pouring



Flexible metal hose for easy pouring

ISTAIR®

AIRLINE BREATHING SYSTEMS

OUR AIRLINE BREATHING SYSTEMS PROVIDE BREATHING AIR NECESSARY FOR THE PERSONNEL TO WORK FOR A GIVEN/DETERMINED PERIOD IN THE CONFINED SPACE THAT CAN NOT BE ENTERED WITH THE SELF CONTAINED BREATHING APPARATUS. POSITIVE PRESSURE FULL FACE MASK, DEMAND VALVE AND BELT EQUIPMENT ARE CERTIFIED ACCORDING TO EN 14593-1, STEEL AIR CYLINDERS ARE CERTIFIED ACCORDING TO ISO 9809 OR EN 1964-2 AND CARBON COMPOSITE AIR CYLINDERS ARE CERTIFIED ACCORDING TO EN 12245 STANDARD.





IST
www.ist.com.tr
ISTEC 350

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ISTAIR® PORTABLE AIR SUPPLY TROLLEYS

2 x 6 L 300 Bar Air Cylinder Trolley

ISTAIR® air supply trolleys are compact and portable systems that provide breathing air necessary for the personnel to work for a determined period in the confined space that can not be entered with the self contained breathing apparatus.

33 meter anti-static air hose on the reel.
Double reels for double outlet.



Provides 75 min operating time and a safe exit time for 15 min for single use

Portable and light weight air supply unit with large wheels and trolley

2 x 6 L 300 bar Breathing Air Steel Cylinders

Single or Double outlet options are available (with additional reel or Y-piece)



x 2

Positive Pressure Full Face Mask & Demand Valve with belt, connection adaptor and manifold (Certified EN 14593-1 standard)

Single or Double outlet options are available



x 2

Positive Pressure Full Face Mask & Demand Valve with belt, connection adaptor and manifold (Certified EN 14593-1 standard)

Air Pressure Regulator

33 meter anti-static air hose on the reel.
Double reels for double outlet.

Wide range of configurations available

An airline back-up device through automatic switch over valve equipped with positive pressure full face mask, cylinder and demand valve can be fitted to the system optionally. The back-up cylinder contains 600 liters of breathing air, which under normal conditions of use is enough to provide about 15 minutes duration for escaping in case of an emergency. Certified EN 402 standard.



2 x 25 L 200 Bar Air Cylinder Trolley

ISTAIR® air supply trolleys are compact and portable systems that provide breathing air necessary for the personnel to work for a determined period in the confined space that can not be entered with the self contained breathing apparatus.

2 x 25 L 200 bar Breathing Air Steel Cylinders (Certified EN 1964-2 standard)



Provides 220 min operating time and a safe exit time for 15 min for single use

ISTAIR® MOBILE AIR SUPPLY UNITS WITH AIR COMPRESSOR

ISTAIR® 80 Single Outlet & ISTAIR 150 Double Outlet Units

ISTAIR® constant flow air supply units with compressor are systems that provide breathing air necessary for the personnel to work for a determined period in the confined space that can not be entered with the self contained breathing apparatus.

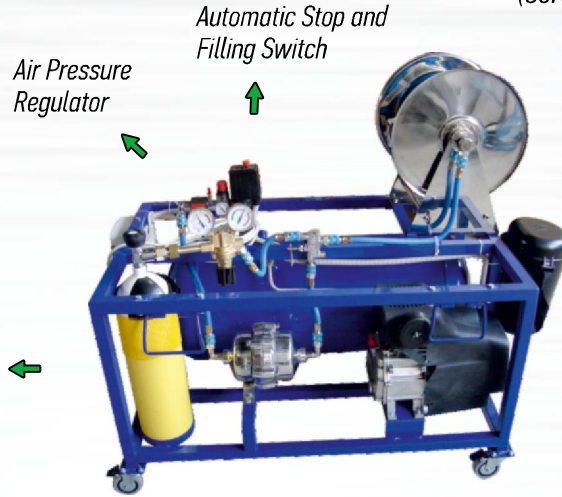
In the case of power cut, system engages the 6 L 300 bar spare air cylinder. Supply pressure warning whistle is available.

Provides constant air flow and a safe exit time in case of power cut.



x 2

Positive Pressure Full Face Mask & Demand Valve with belt, connection adaptor and manifold (Certified EN 14593-1 standard)



Air Pressure Regulator

Automatic Stop and Filling Switch

33 meter antistatic air hose on the reel. Double reels for 150 L model.

The tank fed by medium pressure air compressor with electric motor can be selected as 80 l/min flow rate with single outlet or 150 l/min flow rate with double outlet.

Water, Particles and Oil Separator Filter for Air Tank. Airline filter unit is optional.

ISTAIR® 350 Trailer / Skid Mounted Unit

ISTAIR® constant flow air supply units with compressor are systems that provide breathing air necessary for the personnel to work for a determined period in the confined space that can not be entered with the self contained breathing apparatus. The system supplies continuous and fresh air flow to all personnels who wear masks of the system. In case of breakdown or power failure, spare air cylinders supply required air. Suitable for 4 personnels to work at the same time.

It is manufactured according to traffic regulations. The 500 kg payload trailer has the third front wheel to balance the load.

Four personnels can work at the same time



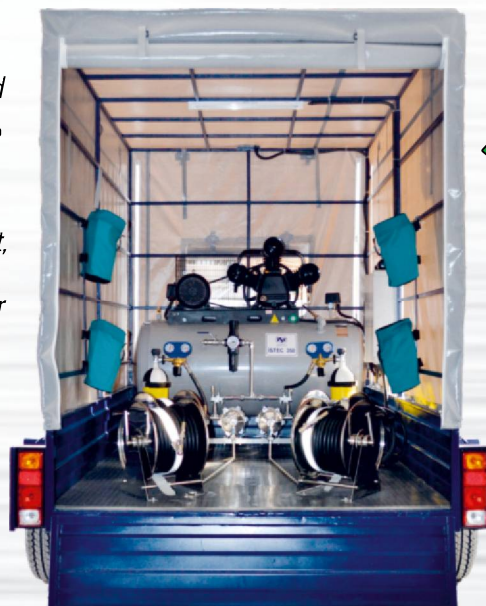
x 4

Positive Pressure Full Face Mask & Demand Valve with belt, connection adaptor and manifold (Certified EN 14593-1 standard)

Automatic Stop and Filling Switch

In the case of power cut, system engages the 2 x 6 L 300 bar spare air cylinders. Supply pressure warning whistle is available.

Anti-static hose extendable up to 50 meters suitable for 4 personnels



Emergency manifold with 2 warning alarms

350 L Steel Breathing Air Tank

Air Compressor with 5.5 HP 380 V 700 l/min Electric Motor

Water, Particles and Oil Separator Filter for Air Tank. Airline filter unit is optional.

OPTIONAL ACCESSORIES





- 1 Ex-Proof or Non Ex-Proof Audible and Visual Alarm (Red color as standard)
- 2 Non Ex-Proof Chiller Cooling Unit (for hot climates)
- 3 Ex-Proof Chiller Cooling Unit (for hot climates)
- 4 Ex-Proof or Non Ex-Proof Water Immersion Heater (for cold climates)
- 5 Ex-Proof or Non Ex-Proof Internal or External Lighting
- 6 Ex-Proof or Non Ex-Proof Space Heater
- 7 Ex-Proof or Non Ex-Proof Flow Switch
- 8 Ex-Proof or Non Ex-Proof Water Low and High Temperature Alarm
- 9 Ex-Proof or Non Ex-Proof Low Water Level Switch
- 10 Flow and level switches that can send messages to GSM devices in case of the shower is being used & Remote DCS Monitoring (Telemetry)
- 11 Freeze Protection Valve
- 12 Scald Protection Valve
- 13 Testing Lever
- 14 Panic / Push Bar
- 15 304 Stainless Steel, 316 Stainless Steel, GRP or Galvanized Steel Activation Platform for Shower or Eye/Face Wash
- 16 304 Stainless Steel, 316 Stainless Steel or Galvanized Steel Foot Treadle Activation for Eye/Face Wash
- 17 304 Stainless Steel, 316 Stainless Steel or Galvanized Steel Main Frame
- 18 ABS Shower Head and Eye/Face Wash Bowl
- 19 304 Stainless Steel, 316 Stainless Steel, ABS or Galvanized Steel Eye/Face Wash Lid
- 20 304 Stainless Steel, 316 Stainless Steel or Galvanized and Painted Steel Shower Material
- 21 Overhead GRP Sun Canopy (White color as standard)
- 22 304 Stainless Steel or 316 Stainless Steel Flanged Water Inlet (Available in different sizes)
- 23 304 Stainless Steel, 316 Stainless Steel, GRP or Galvanized Steel Side and Rear Panels
- 24 Spring Loaded Doors including Windows
- 25 Side, Rear and Door Insulation / Water Tank Insulation
- 26 304 Stainless Steel, 316 Stainless Steel or Galvanized Steel Draining Sump and Water Outlet (Available in different sizes)
- 27 304 Stainless Steel, 316 Stainless Steel, GRP or Galvanized Steel Grating
- 28 Stainless Steel Erecting Lugs
- 29 Water Level Indicator
- 30 Temperature Gauge
- 31 Water Pressure Regulator
- 32 Thermostatic Mixing Valve
- 33 M20 Junction Box
- 34 Non-Return / Check Valve
- 35 Manometer
- 36 Inspection Ladder
- 37 PVC Curtain
- 38 Eye/Face Wash may be located internally on LHS or RHS or externally on LHS or RHS when viewed in front
- 39 Rubber Dust Covers
- 40 Insulation on Pipes and Fittings
- 41 Ex-Proof Trace Heating on Pipes
- 42 Submerged Pump
- 43 Waste Water Tank
- 44 Hydrophore (Water Booster)
- 45 Ex-Proof or Non Ex-Proof Mechanical Thermostat
- 46 Strainer for Water Inlet
- 47 Proximity Sensor
- 48 Trigger Valve for Eye/Face Wash or Body Shower (Hand Wash)
- 49 Anti-Bacterial Additive for Water Tank
- 50 Test Kits for ANSI or EN standards
- 51 Shelf for Chiller Cooling Unit
- 52 Additional Safety Signs



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