

Emergency showers and eye washes



 **GIA Premix**

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GIA emergency showers – and eye washes

GIA is the leading manufacturer in Sweden of emergency showers and eye/face wash units and has since the early 1990s continuously developed new types of showers.
The production from Gia is certified according to ANSI Z358.1-2004.

We offer one of the widest range of eye/face washes units, safety showers, as well as safety mixers.

Some things to consider when selecting equipment

Rinsing aggressive substances from the skin or eyes usually takes longer time than anyone can imagine. Splash of acid in the eyes must be continuously washed for at least 15 minutes.

It is therefore important to select the right equipment that has sufficient flow of soft water.

It is also important that the emergency showers are designed in such a way that, independent of water pressure, the eyewash has a proper flush picture.

GIA emergency showers are equipped with automatic pressure and flow control which guarantee a proper flush picture as long as the water pressure stays between 2 -7 bar.

GIA showers are equipped with drainage in order to minimize the risk of bacterial growth.

For installation of safety showers in aggressive environments models in stainless steel, PVC or painted design should be considered.

Recommended flushing time:

Sulphuric acid	at least 15 min
Hydrochloric acid	at least 15 min
Ammonia solution	15-30 min
Sodium hydroxide	15-30 min
Caustic soda	4-6 hours



Content

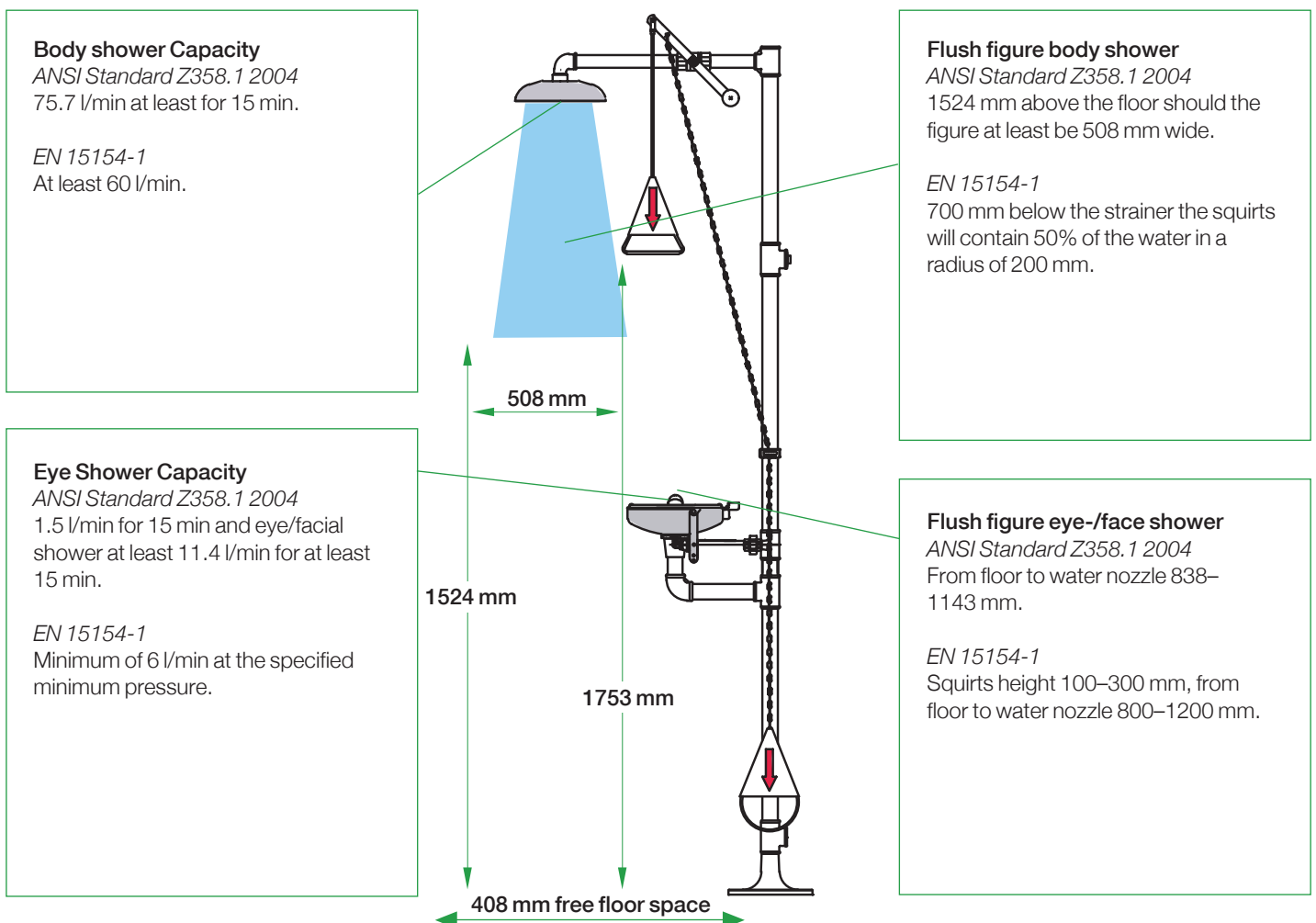
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Rules & requirements, design of equipment

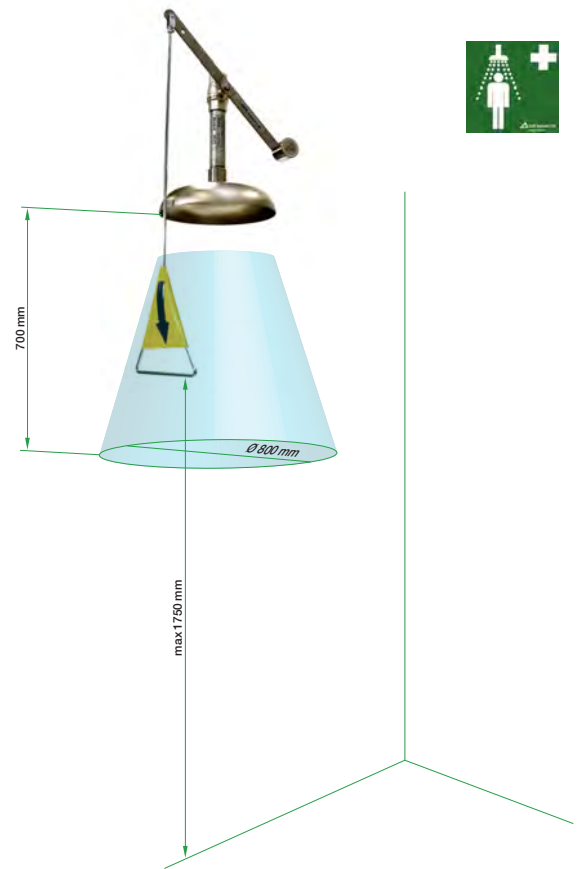
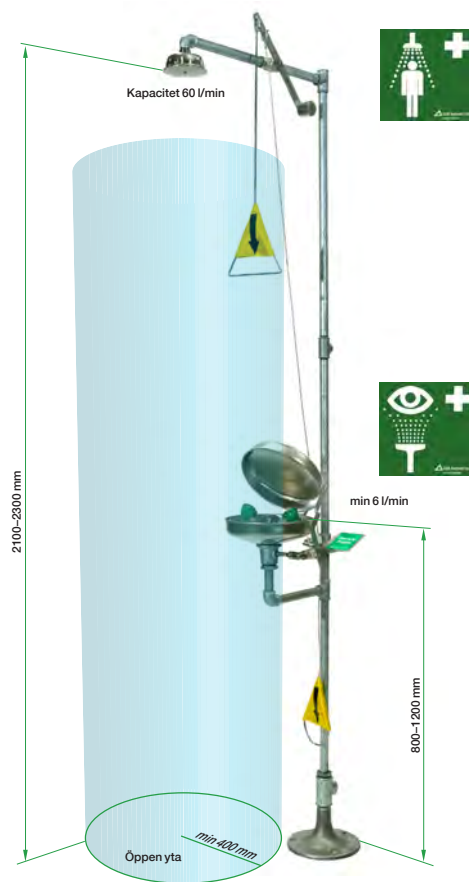
ANSI Standard Z358.1 2004 & SS-EN15154-1 & 2:2006

IMPORTANT!

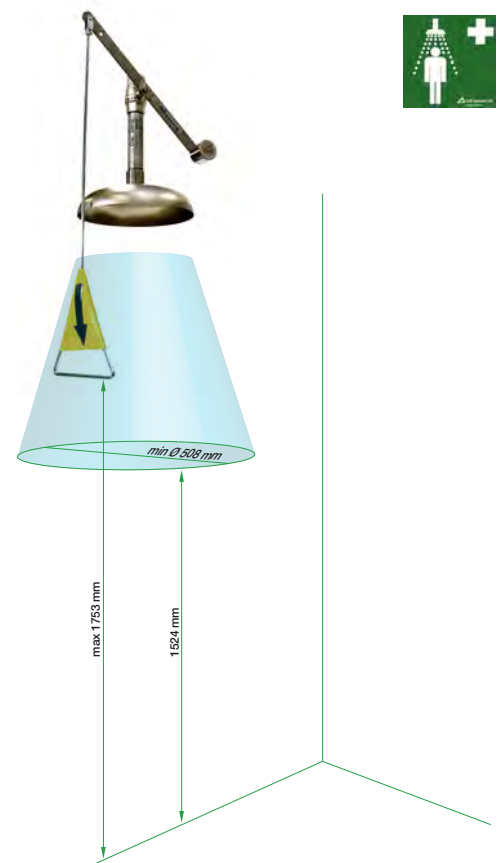
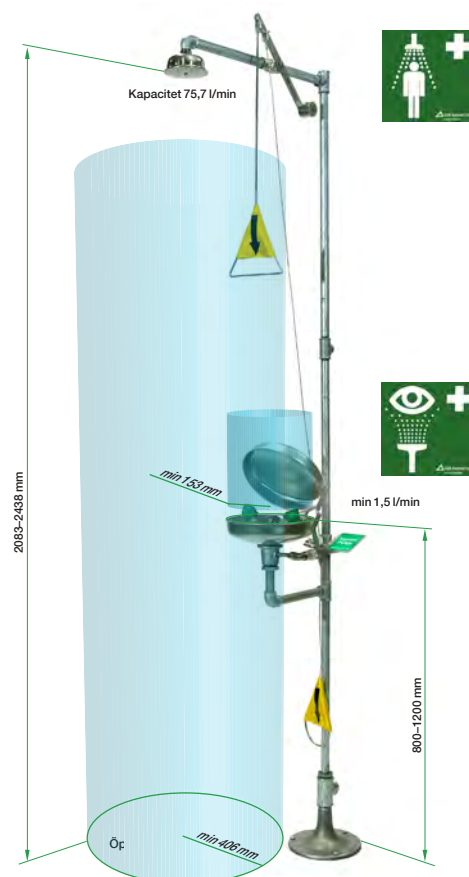
- Material in the shower should be adapted to the environment where it is placed
- The performance of the shower should be adapted to its potential users
- Showers should be in the immediate vicinity, and be reachable within a few seconds
- Tempered water should always be considered
- After activation of water will come after 1 second
- The valves must not be self-closing
- Protection should be of nozzles on eye-/facial showers
- Pressure and flow-regulated water is a major advantage
- All emergency showers should be well aware of clear sign
- Functional Test equipment regularly, and document
- A safety mixer that is adapted for your purpose should be installed
- The water should be of good quality
- Install noise/flashing alarm of showers that are located alone



SS-EN 15154-1 & 2:2006



ANSI Standard Z358.1 2004



Eye- and face showers

822 3506

Wall mounted without dust cover

822 3514

Floor mounted without dust cover



822 3506

Working pressure: 2–7 bar
Capacity: 26 lit/min
Connection: 1/2" BSP
Drainage: 1 1/4" BSP
Ball valve: Chrome plated brass
Bowl: Stainless steel
Accessories: Safety mixer 755 9750



822 3514

822 3522

Wall mounted with dust cover

822 3523

Wall mounted without dust cover

822 3530

Floor mounted with dust cover

822 3555

Wall mounted with dust cover and hand shower 822 3654



822 3523



822 3522

822 3555

Working pressure: 2–7 bar
Capacity: 14 lit/min
Connection: 1/2" BSP
Drainage: 1 1/4" BSP
Ball valve: Chrome plated brass
Bowl/cover: Stainless steel
Accessories: Safety mixer 755 9750



822 3530

Eye- and face showers

822 3548

Wall mounted without bowl

822 3567

Wall mounted with bowl



822 3548



822 3567

Working pressure: 2–7 bar
Capacity: 26 lit/min
Connection: 1/2" BSP
Drainage: 1 1/4" BSP
Ball valve: Chrome plated brass
Bowl: Stainless steel
Accessories: Safety mixer 755 9750

Eye showers

822 3563

Wall mounted with dust cover

822 3566

Wall mounted without dust cover

822 3571

Floor mounted with dust cover



822 3563

Working pressure: 2–7 bar
Capacity: 8 lit/min
Connection: 1/2" BSP
Drainage: 1 1/4" BSP
Ball valve: Chrome plated brass
Bowl/cover: Stainless steel
Accessories: Safety mixer 755 9750



822 3566



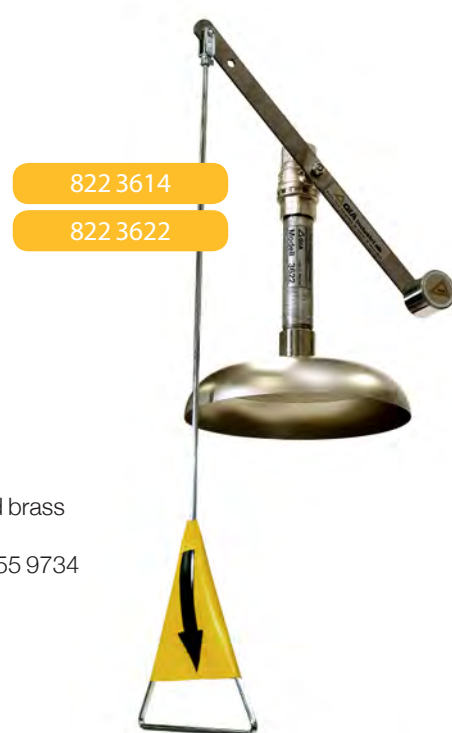
822 3571

Body showers

- 822 3613 Wall mounted, stainless steel
- 822 3614 Roof mounted, stainless steel
- 822 3621 Wall mounted, galvanized
- 822 3622 Roof mounted, galvanized



Working pressure: 2–7 bar
Capacity: 78 lit/min
Connection: 1" BSP
Ball valve: Chrome plated brass
Shower head: Stainless steel
Accessories: Safety mixer 755 9734



- 822 3605 Floor mounted, galvanized



Working pressure: 2–7 bar
Capacity: 78 lit/min
Connection: 1 1/4" BSP
Ball valve: Chrome plated brass
Shower head: Stainless steel
Accessories: Safety mixer 755 9734

Combined body- and eye-/face showers

822 3627	Floor mounted, galvanized
822 3629	Wall mounted, galvanized
822 3631	Wall mounted, white painted
822 3697	Wall mounted, chrome plated brass



Working pressure:	2–7 bar
Capacity:	78+14 lit/min
Connection:	3/4" BSP
Ball valve:	Chrome plated brass
Shower head:	Stainless steel
Bowl/cover:	Stainless steel
Drainage:	1 1/4" BSP
	Floor/wall brackets incl.
Eye wash:	See 822 3522/822 3523
Accessories:	Safety mixer 755 9734

Combined body- and eye-/face showers

- 822 3696 Floor mounted with dust cover, galvanized
- 822 3699 Floor mounted without dust cover, galvanized
- 822 3635 Wall mounted with dust cover, galvanized

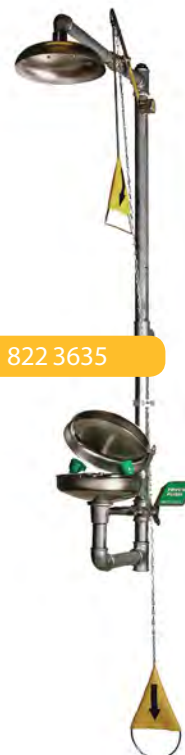


822 3696



822 3699

Working pressure: 2–7 bar
Capacity: 78+14 lit/min
Connection: 1 1/4" BSP
Ball valve: Chrome plated brass
Shower head: Stainless steel
Bowl/cover: Stainless steel
Drainage: 1 1/4" BSP
 Floor/wall brackets incl.
Eye wash: See 822 3522/822 3523
Accessories: Safety mixer 755 9734



822 3635

- 822 3670 Floor mounted without bowl, galvanized
- 822 3662 Floor mounted with bowl, galvanized



822 3670

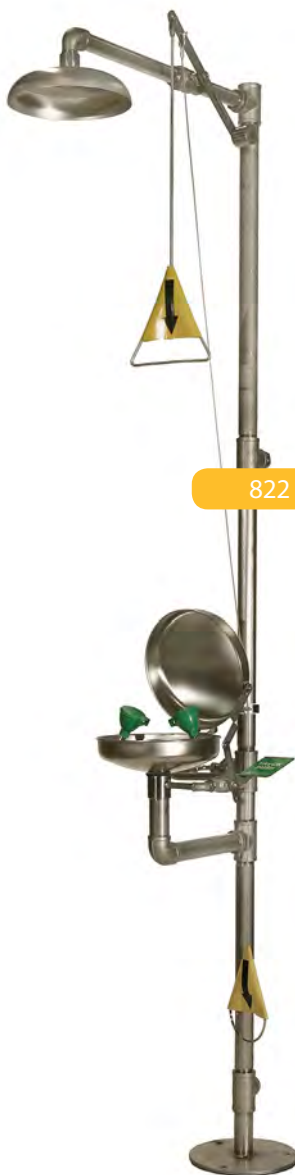
Working pressure: 2–7 bar
Capacity: 78+26 lit/min
Connection: 1 1/4" BSP
Ball valve: Chrome plated brass
Shower head: Stainless steel
Bowl: Stainless steel
Drainage: 1 1/4" BSP
 Floor/wall brackets incl.
Eye wash: See 822 3506/822 3548
Accessories: Safety mixer 755 9734



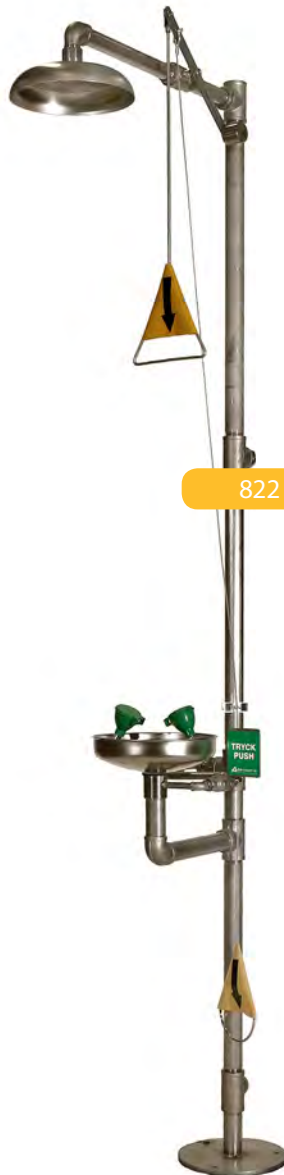
822 3662

Combined body- and eye-/face showers

822 3688	Floor mounted with dust cover, stainless steel
822 3698	Floor mounted without dust cover, stainless steel
3699PVC	Floor mounted without dust cover, PVC



822 3688



822 3698



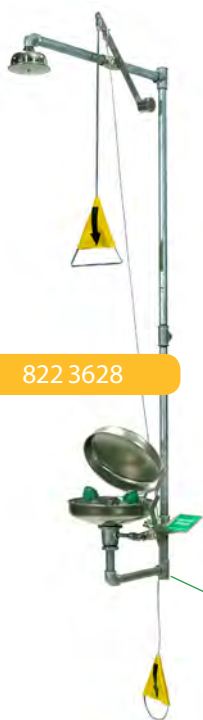
3699PVC

Working pressure: 2–7 bar
Capacity: 78+26 lit/min
Connection: 1 1/4" BSP
Ball valve: Stainless steel
Shower head: Stainless steel
Bowl: Stainless steel
Drainage: 1 1/4" BSP
Eye wash: See 822 3567
Accessories: Safety mixer 755 9734

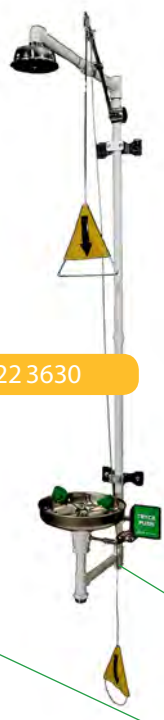
Working pressure: 2–7 bar
Capacity: 78+8 lit/min
Connection: 3/4" BSP
Ball valve: Stainless steel
Shower head: PVC / ABS
Bowl: PVC / ABS
Drainage: 2" BSP
Eye wash: See 3566P
Accessories: Safety mixer 755 9734

Combined body- and eye/face showers with mounted safety mixers

- 822 3626 Floor mounted with dust cover, galvanized
- 822 3628 Wall mounted with dust cover, galvanized
- 822 3630 Wall mounted without dust cover, white painted



822 3628



822 3630

Working pressure: 2–7 bar
Capacity: 78+14 lit/min
Connection: 3/4" BSP
Ball valve: Chrome plated brass
Shower head: Stainless steel
Bowl/cover: Stainless steel
Drainage: 1 1/4" BSP
 Floor/wall brackets incl.
Eye wash: See 822 3522/822 3523



822 3626

- 822 3632 Floor mounted with dust cover, galvanized
- 822 3636 Wall mounted with dust cover, galvanized



822 3636

Working pressure: 2–7 bar
Capacity: 78+14 lit/min
Connection: 1 1/4" BSP
Ball valve: Chrome plated brass
Shower head: Stainless steel
Bowl/cover: Stainless steel
Drainage: 1 1/4" BSP
 Floor/wall brackets incl.
Eye wash: See 822 3522/822 3523



822 3632

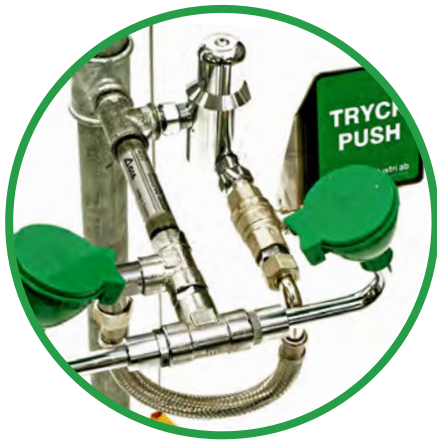


Combined body- and eye/face showers with mounted safety mixers

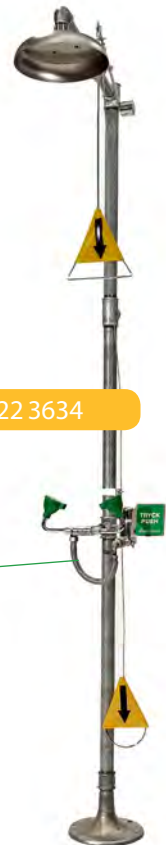
822 3634

Floor mounted without bowl, galvanized

Working pressure: 2–7 bar
Capacity: 78+26 lit/min
Connection: 1 1/4" BSP
Ball valve: Chrome plated brass
Shower head: Stainless steel
Eye wash: See 822 3548



822 3634



822 3633

Floor mounted with bowl, galvanized

Working pressure: 2–7 bar
Capacity: 78+26 lit/min
Connection: 1 1/4" BSP
Ball valve: Chrome plated brass
Shower head: Stainless steel
Bowl: Stainless steel
Drainage: 1 1/4" BSP
Eye wash: See 822 3506



822 3633



Body and eye/face showers for laboratories and schools

822 3568	Table mounted
822 3569	Table/washbasin mounted
822 3570	Wall mounted

GIA has in close cooperation with different customers, developed a complete new range of showers adapted to the requirements SS-EN15154-1 & 2:2006 for the laboratories.

For clean rooms class spaces are also showers in the range.

Showers for the laboratory environment are in white painted, chrome, or stainless steel design. Other colours can be ordered.



Eye- and face shower in folding design.
Arm's length 330 alternative 130 mm.

Working pressure: 2–7 bar
Capacity: 26 lit/min
Connection: 1/2" BSP



Body and eye/face showers for laboratories and schools

9601	Body shower, white painted with wall bracket 820630
822 3597	Table mounted, with swivel joint
9604	Table mounted, with swivel joint
9603	Wall mounted with bowl
822 3624	Body shower, chrome plated
822 3630	Combined wall mounted body- and eye/face shower, white painted.
822 3631	As above, with safety mixer



Body shower, white painted

Working pressure: 2–7 bar
Capacity: 78 lit/min
Connection: 1" BSP
Ball valve: Chrome plated brass
Bracket: P/n 820630

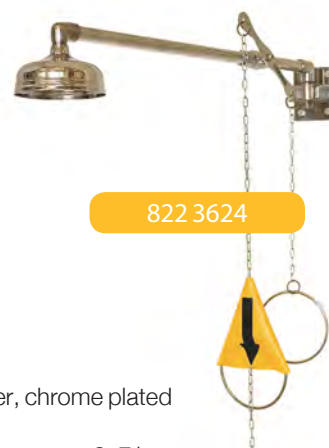
Eye wash, swivel joint 360 degr. chrome plated

Working pressure: 2–7 bar
Capacity: 8 lit/min
Connection: 1/2" BSP
Ball valve: Chrome plated brass



Eye- and face wash with bowl

Working pressure: 2–7 bar
Capacity: 14 lit/min
Connection: 1/2" BSP
Ball valve: Chrome plated brass
Bowl: Stainless steel
Drainage: 1 1/4" BSP
Bracket: White painted



822 3624

Body shower, chrome plated

Working pressure: 2–7 bar
Capacity: 75 lit/min
Connection: 1/2" BSP
Ball valve: Chrome plated brass
Bracket: Stainless steel

Combined wall mounted body- and eye/face shower, white painted.

Working pressure: 2–7 bar
Capacity: 75+14 lit/min
Connection: 3/4" BSP
Bowl: Stainless steel
Drainage: 1 1/4" BSP
Eyewash: See 9603



822 3630

822 3631

Body and eye/face showers for laboratories and schools

9680

Wall mounted, built-in



9680

Wall cupboard with operate handle for body shower.

Connection: 1" BSP

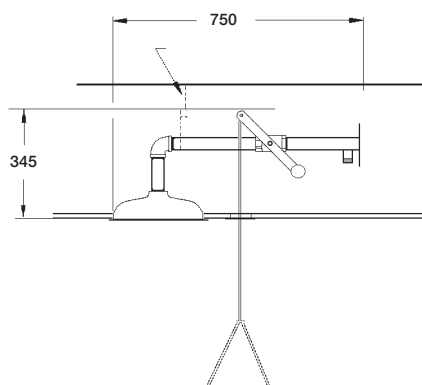
Ball valve: Chrome plated brass

Size: 350x200x90 mm

Including pull extension to floor.

9618

Body shower, built-in



Working pressure: 2–7 bar

Capacity: 78 lit/min

Connection: 1" BSP

Ball valve: Chrome plated brass

Delivered with wall bracket and pull extension to floor.



9618

9682

Wall mounted, built-in



9682

Eye wash, built-in type in walls. Delivered complete with safety mixer and waste connection.

Also equipped with operate handle for body shower, and pull extension to floor.

Working pressure: 2–7 bar

Capacity: 8 lit/min

Connection: 1/2" and 1" BSP

Ball valve: Chrome plated brass

Size: 465x585x90 mm

Body and eye/face showers for laboratories and schools

9681

Wall mounted, built-in



9681

Eye wash, built-in type in walls. Delivered complete with safety mixer and waste connection.

Working pressure: 2–7 bar
Capacity: 8 lit/min
Connection: 1/2" BSP
Ball valve: Chrome plated brass
Size: 360x630x90 mm



9618

Hand, showers

822 3654

Wall mount, hose L=2 m

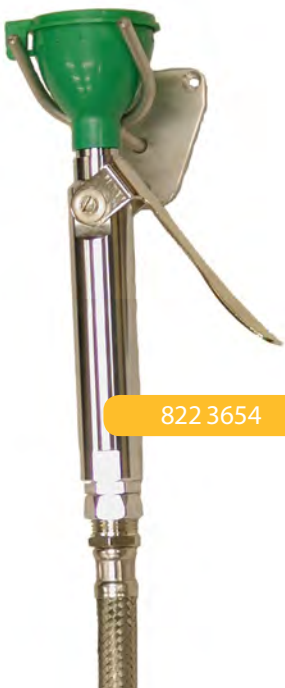
3654–1

Wall mount, PVC spiral hose L=3 m

3654–3

Table mount, hose L=2 m

Working pressure: 2–7 bar
Capacity: 26 lit/min
Connection: 1/2" BSP
Handle: Chrome plated brass
Wall bracket: Stainless steel



822 3654



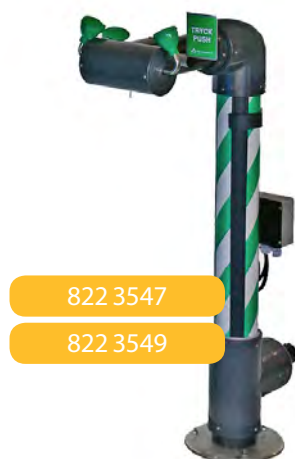
3654-1



3654-3

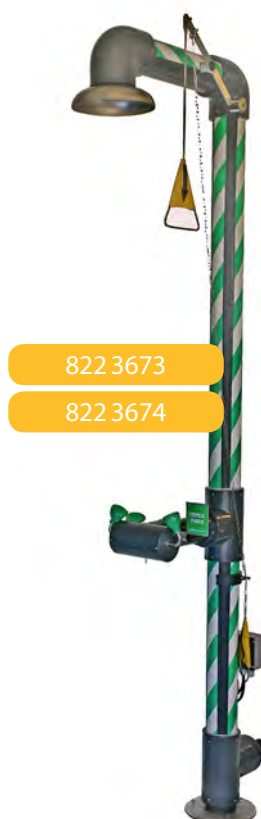
Body- and eye/face showers for outdoor use

822 3547	Floor mounted, galvanized and cable heated
822 3547-EX	As above, explosion proof
822 3549	Floor mounted, stainless steel and cable heated
822 3549-EX	As above, explosion proof



Capacity:	26 lit/min
Working Pressure:	2–7 bar
Connection:	1 1/4" BSP
Ball valve:	Stainless steel
Piping:	Stainless steel or galvanized steel
Heating cable:	Reliable self-regulating heat cable Raychem CHEMELEX 3BTV2CT
Thermostat/ junction box:	Raystat EX-03 / Raychem AT-TS13, IP65
Isolation:	Glass wool, Isover AluComfort Euroclass A
Jacket:	Grey, PVC plastic
Shower heads:	Twin ABS plastic eye/face wash heads with integral flip top dust covers.

822 3673	Floor mounted, galvanized and cable heated
822 3673-EX	As above, explosion proof
822 3674	Floor mounted, stainless steel and cable heated
822 3674-EX	As above, explosion proof



Capacity:	78 + 26 lit/min
Working Pressure:	2–7 bar
Connection:	1 1/4" BSP
Shower head:	Stainless steel
Ball valve:	Stainless steel
Piping:	Stainless steel or galvanized steel
Heating cable:	Reliable self-regulating heat cable Raychem CHEMELEX 3BTV2CT
Thermostat/ junction box:	Raystat EX-03 / Raychem AT-TS13, IP65
Isolation:	Glass wool, Isover AluComfort Euroclass A
Jacket:	Grey, PVC plastic
Shower heads:	Twin ABS plastic eye/face wash heads with integral flip top dust covers.
Activation:	Rigid stainless steel pull rod / Push flag operates a stay open stainless steel ball valve.

EYE AND FACE WASH

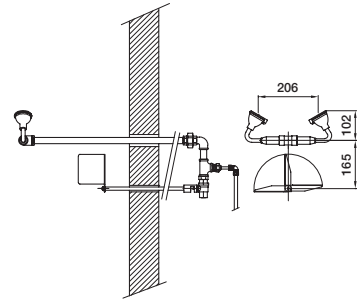
Capacity:	26 lit/min
Working Pressure:	2,4–7 bar
Ball valve:	Stainless steel
Nozzle:	ABS plastic with flip-up cover

Body- and eye/face showers for outdoor use

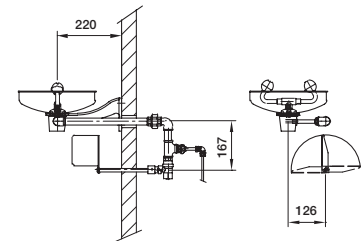
- 822 3552 Wall mounted, without bowl, freeze resistant
822 3712 Wall mounted, with bowl, freeze resistant



Working pressure: 2,4–7 bar
Capacity: 26 lit/min
Connection: 1/2 " BSP
Ball valve: Chrome plated brass



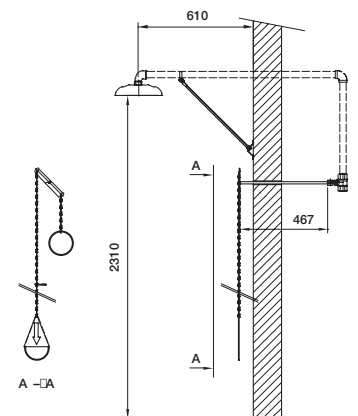
Working pressure: 2,4–7 bar
Capacity: 8 lit/min
Connection: 1/2 " BSP
Ball valve: Chrome plated brass
Drainage: 1 1/4 " BSP
Bowl: Stainless steel



- 822 3738 Wall mounted, freeze resistant



Working pressure: 2,4–7 bar
Capacity: 78 lit/min
Connection: 1 " BSP
Ball valve: Chrome plated brass
Shower head: Stainless steel



Connection pipes (dashed on the sketch) are not included.

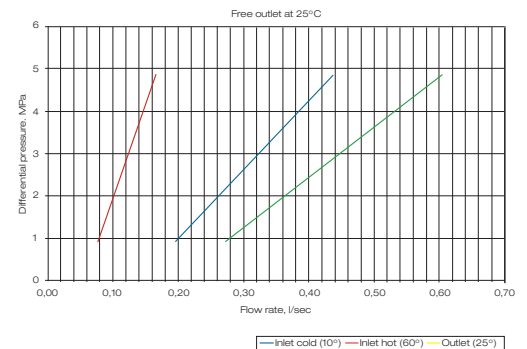
Safety mixer GIA-15

Thermostatic safety mixer for eye- and face wash units, complete with non return valves.



GIA-15 safety mixer

Art no: 755 9750
Flow rate: 30 lit/min
Connection: ½" BSP
Body: Brass



Tempering – safety mixers

Gia have a wide range of safety mixers for eye- and face wash units as well as for body showers.

What is a safety mixer?

A safety mixer is a valve with unique characteristic to guarantee all thinkable securities. The safety mixer should not be mixed up with a conventional valve.

A thermostatic valve with high mixing capacity

The valve is special designed to temper water for eye/face washes. The mixed water temperature is adjustable. When the mixer is shipped from factory the temperature is set to + 25°C.

The temperature is adjustable through the adjustment screw on the unit.

In case of a breakdown on the cold water side, the valve will automatically close the flow of hot water.

On the other hand if a break down occurs of hot water the valve will go into cold-water bypass flow and continue to deliver cold water to the safety shower.

The Unit is manufactured of bronze, brass, copper and stainless steel.

The valve is delivered including two strainers to prevent dust from damage the valve.

Safety mixers for body showers

The thermostatic mixer is a modern valve with extremely high mixing capacity.

The mixed water temperature is adjustable in the range from +15 - +35° C. The adjustment of the temperature is made through the adjustment screw. To increase the present temperature, turn the screw anti-clock wise. One turn = 5° C. When the mixer is shipped from factory the temperature is set to approx. 25° C.

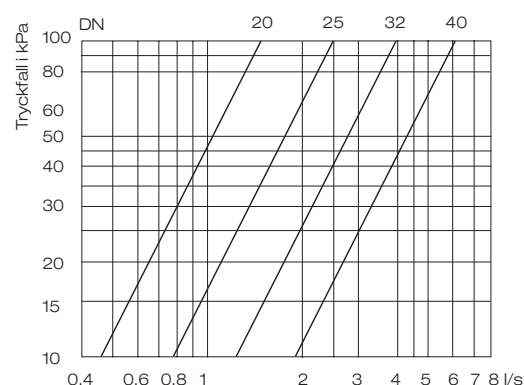
For safety reason the valve has one unique characteristic: In case the cold water for any reason will stop, the thermostat will immediately stop the flow of hot water.

On the other hand if a breakdown occurs of hot water the valve will go into cold-water bypass flow and continue to deliver cold water to the safety shower.

Maximum working pressure: PN 10

Max working temperature: 65° C

The valve will be delivered with solder fittings.

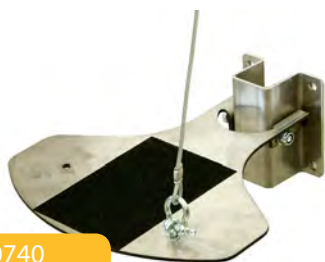


Item No.	Description	Flow
755 9733	Safety mixer – Premix 20	90 l/min
755 9734	Safety mixer – Premix 25	150 l/min
755 9735	Safety mixer – Premix 32	240 l/min
755 9736	Safety mixer – Premix 40	360 l/min

DN	A	B	C	D	E	F
20	22	12	40	100	120	215
25	22	12	40	100	120	215
32	35	20	50	120	150	265
40	35	20	50	120	150	265



Accessories



820740

820740 Foot pedal with wall bracket

Sturdy foot pedal made of stainless steel. Easy activate for eye- face wash as well as body showers.



820750

820750 Foot pedal with pipe brackets, DN32 (42,4 mm)

Sturdy foot pedal made of stainless steel. Easy activate for eye- face wash as well as body showers.



820398

820398 Platform actuation for safety showers

730x730 mm Grating in galvanized steel, spring returned. Mounted in a frame of stainless steel.



820092

820093

820094

820092 Wall bracket 1/2" BSP, white painted

820093 Wall bracket 1" BSP, white painted

820094 Wall bracket 1" BSP, Stainless steel



820623

820630

820623 Wall bracket 3/4" BSP, stainless steel white painted

820630 Wall bracket 1" BSP, stainless steel white painted

820641

820642

820643



820641

Alarm kit for eye wash

820642

Alarm kit for body shower

820643

Alarm kit for combination unit

820628

820628-1

820628-2

820628-3



820628

Flow switch DW-R, 1/2" BSP

820628-1

Flow switch DW-R, 3/4" BSP

820628-2

Flow switch DW-R, 1" BSP

820628-3

Flow switch DW-R, 1 1/4" BSP

(all sizes also available in stainless steel)

820659

820636



820659

Electric instantaneous water heater, hydraulically controlled with bare element heating system, 18 kw 400v, 3x26Amp

820636

Electric instantaneous water heater, hydraulically controlled with bare element heating system, 24kw 400v, 3x35Amp



820350

820350

Vertical, universal emergency eye wash sign 150x150 mm



820350

820350-V

Vertical, universal emergency eye wash sign 200x300 mm



820351

820351

Vertical, universal emergency shower sign 150x150 mm

820350-1

820351-V

Vertical, universal emergency shower sign 200x300 mm

820350-1

Additional sign 150x150 mm



820350-V



820351-V

Accessories

- 820514 Shower cabin suitable for combination showers.
Panels of PE plastic and frame made of stainless steel. Dim. 940x1050x2400 mm
- 820514-1 Catch basin in stainless steel, fits to shower cabin no. 820514
- 820338-1 Plastic grate for above.

Tank safety showers in stainless steel design, with or without panels.

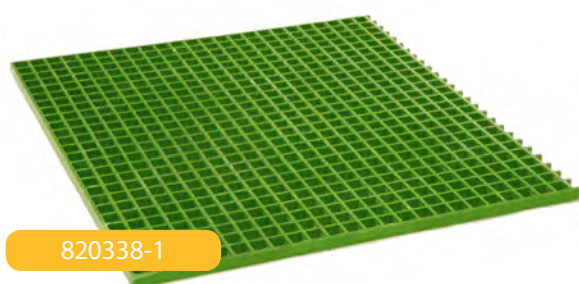
Tank volume between 350 to 2000 lit.
Flush time from 9 to 50 minutes.



820514



820514-1



820338-1

820700 Eye- and face wash assy. 14 l/min
Connection 1/4" BSP

820700



820701 Eye wash assy. 8 lit/min
Connection 1/4" BSP

820701



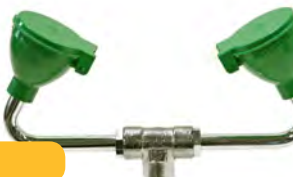
820502 Eye- and face wash assy. 26 l/min
Connection 1/4" BSP

820502



820702 Eye- and face wash assy. 26 l/min
Connection 1/2" BSP

820702



820708 Eye- and face wash assy. 26 l/min
Connection 1/2" BSP

820708



820421 Flush nozzle for 26 l/min,
dia. 55 mm

820421



820558 Flush nozzle for 8 l/min,
dia. 40 mm

820558



Pressure and flow regulators

Gia can offer a wide range of pressure- and flow regulators. These together with someone of above mentioned eye-face wash assy upgrades your equipment according to existing regulations.

Spare parts



820187 Bowl, stainless steel diam. 255 mm



820508 Ball valve DN15 with push plate



820122 Bowl, stainless steel diam. 345 mm

820160-1 Ball valve DN 25 with lever
820160-3/4" Ball valve DN 20 with lever



820189 Bowl with dust cover diam. 255 mm

820583 Pull rod, complete L=720 mm



820443 Pull extension down to floor.
Fits all emergency showers.

820808 Wall bracket, eyewashes with bowl
diam. 255mm



820127 Shower head DN15, diam. 120mm

820809 Bracket for bowl diam. 255mm on
combination showers.



820456 Shower head DN20, diam. 120mm

820262 Bracket for bowl diam. 345mm on
combination unit



820263 Floor flange



84005 Water cooler, free standing



Refrigerant: R-134a
Supply: 240V 50/60Hz
Capacity: 38 lit./Hour

Drinking water fountain provides a steady and well distributed water, thanks to the built-in pressure regulator. The bubbler is made of soft and flexible rubber to prevent dental injuries.

Fountain top is made of deep drawn stainless steel. It is designed to not give splashing and is hygienic.

The engine has automatic overload protection. Lubrication is not needed.

Facing of stainless steel.

84002 Water cooler, wall mounted



Refrigerant: R-134a
Supply: 240V 50/60Hz
Capacity: 38 lit./Hour

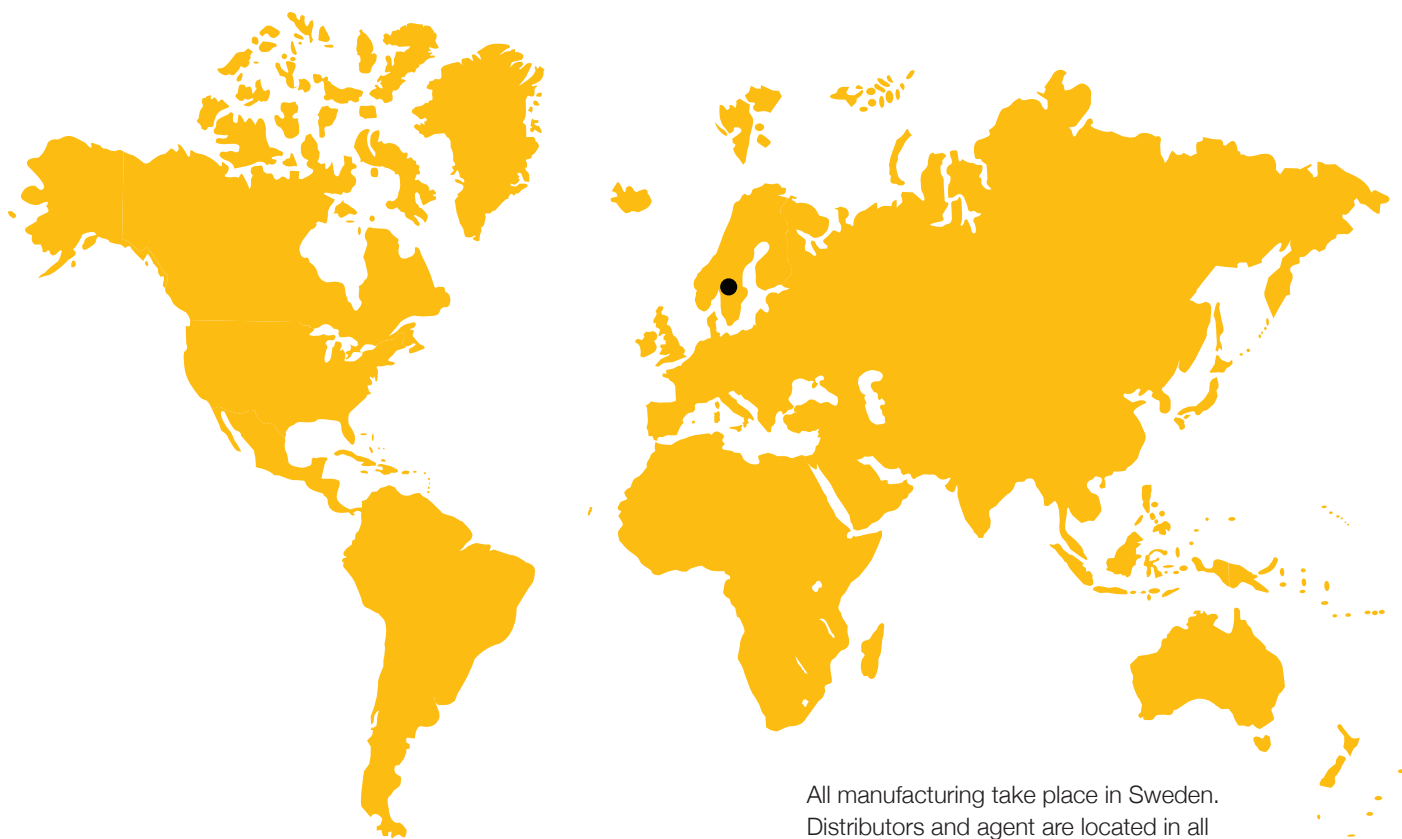
Drinking water fountain provides a steady and well distributed water. The bubbler is made of soft and flexible rubber to prevent dental injuries.

Fountain top is made of deep drawn stainless steel. It is designed to not give splashing and is hygienic.

Simple activation by a slight pressure on any of the four push buttons. Water beam height is adjustable.

The engine has automatic overload protection. Lubrication is not needed.

Facing of stainless steel.
Supplied complete with wall bracket.



All manufacturing take place in Sweden.
Distributors and agent are located in all
continents.

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