

Technical Manual

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EMERGENCY EYE / FACE WASH BASINS, SHOWER HEADS AND SHOWERS

"BOCCHI SAFETY" is the most complete range of Emergency Showers, Facewashes, Eyewashes and Decontamination Stations available today on the Italian Market.

Bocchi products introduce innovations into work Safety.

Main feature of BOCCHI – DILUVIO products is that of assuring, in addition to a proper quantity of water, a complete decontamination of the full body. The BOCCHI eye – face showers assure the water aerations, which means a respect to the delicacy of the eye and of the skin washing off in a sure and quick way the contaminant agents. The "aerated" water has a soft impact on the skin and on the conjunctiva: furthermore, wetting

with rapidity the contaminated area it deeply deterges from the corrosive agent. All models are made out of steel with hot-zincked pipes, painted with green epoxy paints, for a long duration, even in very aggressive areas. The valves are made out of nickel or chrome painted bronze.

IN CONFORMITY TO NORMS:

UNI 9608
UNI 10271
DIN 12899 PART.2
ANSI Z358.1-1990
EUROPEAN DIRECTIVE 93/42 CEE
Medical devices



ATTENTION

The plumbing must be carried out by qualified people. The assistance to the product must be done by an authorised assistance centre. Make use only of original spare parts. Do not alter or modify the product features. For the cleaning do not make use of products containing sol-

vents or abrasive particles. Follow carefully the installation instructions. The working instruction, the staff instructions and the maintenance instructions must also be followed carefully. This manual belongs to the user and must be left with him.



GUARANTEE

The product is covered by guarantee and a certificate is part of the attached documents. To make it valid, it must be filled and dispatched, within 8 days, to the assistance department of the company.

Keep the guarantee voucher and show it to the technical staff, otherwise the technical staff will legitimately charge for the job.





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EYE WASHBASINS – Technical features



EYE WASHBASINS - TECHNICAL FEATURES

Basin material	Polypropylene or Stainless Steel	
Connection parts	Brass	
Spout	Aerated	
Total maximum flow	14 I / 1 ° ± 10 % (at 0.3 MPa)	
Inlet	1/4"F	
Drain	1.1 /4 " F	
Working	With easy hand lever	
Recommended water temperature	Min. 15 ° - Max. 35 °	
Supply running pressure	Min. 0.2 MPa - Max 0.5 MPa	
Minimum flow required	6 I / 1' at 0.2 MPa	
Colour	Green - RAL 6029	



SHOWERS - TECHNICAL FEATURES

Basin material	Polypropylene or Stainless Steel	
Connection parts	Brass	
Pipes	Zinc coated steel	
Head	Polypropylene or Stainless Steel	
Flow	14 / 1' ± 10 %	
Head	Over 120 I / 1' at 0.3 MPa	
Finishing	Painted with epoxy powder paints	
Supply running pressures	Min. 0.2 MPa - max. 0.5 MPa	
Minimum flow required	100 I / 1 I/1' at 0.2. MPa	
Colour	Green - RAL 6029	



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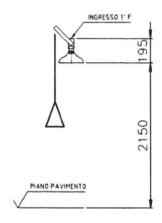




EYE WASHBASINS AND EMERGENCY SHOWERS dimensions

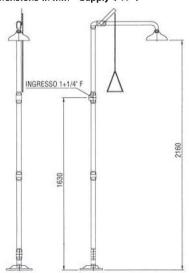
SC 820 - SC 820 SS Wall shower

dimensions in mm - Supply 1" F



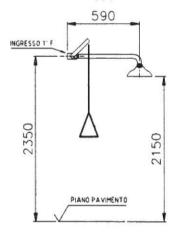
5C 800 - 5C 800 55 Emercgency shower

dimensions in mm - Supply 1 1/4" F



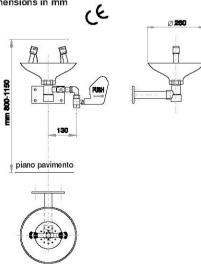
5C 830 - 5C 830 55 Wall shower

dimensions in mm - Supply 1" F



5C 300 - 5C 300 55 Wall eye washbasin

dimensions in mm





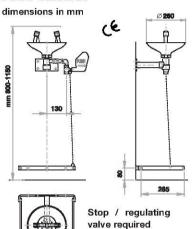
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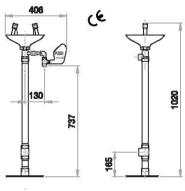


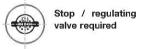
WALL EYE WASHBASINS dimensions

5C 310 - 5C 310 55 Wall eue washbasins Foot control

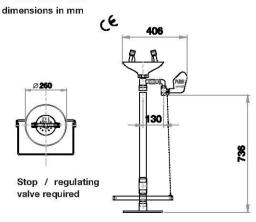


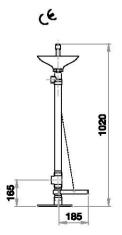
5C 320 - 5C 320 55 Floor eue washbasins dimensions in mm





5C 380 - 5C 380 55 Wall eye washbasins Foot control





NOTE: to connect the supply inlets use rigid pipes / zinc coated steel, copper, etc.

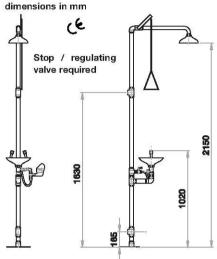


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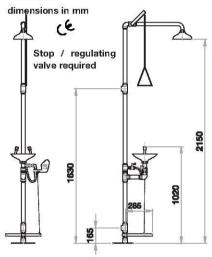


EYE WASHBASINS AND EMERGENCY SHOWERS dimensions

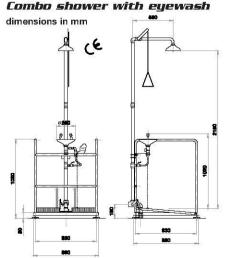
5C 700 - 5C 700 55 Combo shower with euewash



5C 710 - 5C 710 55 Combo shower with eyewash Foot control



5C 730 - 5C 730 55



NOTE: to connect the supply inlets use rigid pipes / zinc coated steel, copper, etc.

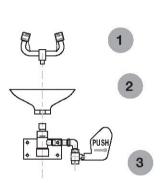


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5C 300 - 5C 300 55 - 5C 310 - 5C 310 55 Assembly





Instructions:

- 1) Fix the plate pos.3 to the wall
- 2) Screw the sink pos.2 to the plate pos.3
- 3) Fix the eyewash pipe pos.1 to the plate pos.3

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Only for 5C 310

- 4) Fix the pedal pos.4 to the wall, at one distance of about 80 mm from the floor's plane
- 5) Connect the two ends of the chain to the pedal and to the "Push "hand-grip



5C 32O - 5C 32O 55 - 5C 38O - 5C 38O 55 Assembly



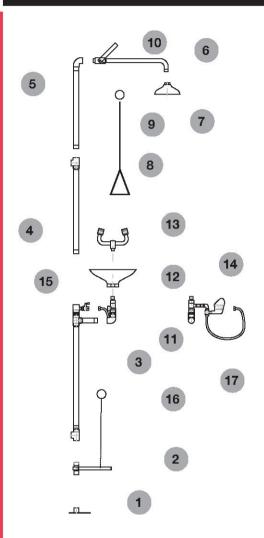
- For the screw threads make use only of teflon or specific sealings (e.g. Loctite 542)
- 2) Screw the rising pipe pos.2 on the base pos.1
- 3) Screw the sink pos.3 to the plate pos.2
- 4) Fix the eyewash pipe pos.4 to the plate pos.2
- 5) Line up the parts



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5C 710 - 5C 710 55 Assembly



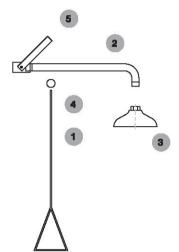
- For the screw threads make use only of teflon or specific sealings (e.g. Loctite 542)
- Screw the rising pipe pos.2 on the base pos.1
- Screw the pipe pos.2 on the pipe pos. 3
- 4) Screw the pipe pos. 4 on the shower arm pos. 5
- 5) Screw the shower head pos. 6 on the shower arm pos. 5
- 6) Screw the pre-assemblied parts (parts 4+5+6) on the parts 1+2+3
- 7) Line up the items
- 8) Put the elastic ring pos.8 into the hole pos. 9
- Put the elastic ring pos.8 in the brace's hole pos.7
- 10) Screw the plate pos.10 on the pipe pos.2
- 11) Screw the sink pos.11 on the plate pos.10
- 12) Fix the eyewash pipe pos.12 to the plate pos.10
- 13) Line up the parts
- 14) Screw to the valve pos.14 the flexible pipe pos.13



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5C 830 - 5C 830 55 Assembly

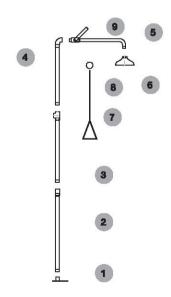


Instructions:

- 1) Supply the shower arm with Teflon pos.2
- 2) Screw the shower head pos.3
- 3) Mount to the wall the items
- 4) Put the elastic ring pos. 4 into the hole pos.5
- 5) Put the elastic ring into the brace's hole pos.1



5C 800 – 5C 800 55 Assembly



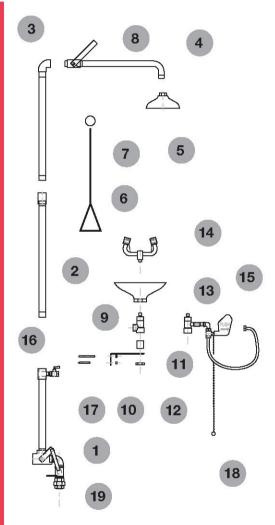
- 1) Dress with teflon or specific sealings (es. Loctite 542) all the threads
- 2) Screw the vertical pipe pos. 2 on the base pos. 1
- 3) Screw the vertical pipe pos. 2 on the vertical pipe pos. 3
- 4) Screw the vertical pipe pos. 4 on the vertical pipe pos. 5
- 5) Screw the shower head pos. 6 on the shower arm pos. 5
- 6) Screw the set of pre-assembled parts (4 + 5 + 6) on parts 1 + 2 + 3
- 7) Adjust the parts
- 8) Insert the elastic ring. pos. 8 into hole pos. 9
- 9) Insert the elastic ring. pos. 8 into the hole pos. 7



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5C 730 - 5C 730 55 Assembly



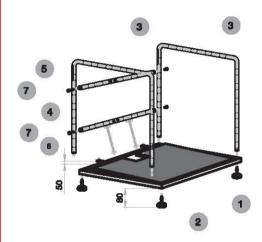
- For the screw threads make use only of teflon or specific sealings (e.g. Loctite 542)
- Screw the rising pipe pos.2 on the base pos.1
- 3) Screw the pipe pos.3 on the pipe pos. 4
- 4) Screw the pipe pos. 4 on the shower arm pos. 5
- 5) Screw the pre-assembled parts (parts 3+4+5) on the parts 1+2
- 6) Line up the items
- 7) Put the elastic ring pos.7 into the hole pos. 8
- 8) Put the elastic ring pos.7 in the brace's hole pos.6
- Screw the nipple pos. 11 on the plate pos. 9
- 10) Fix the plate pos.9 on the bracket pos.10
- 11) Screw the nut pos.12 to the nipple pos.11
- 12) Screw the sink pos. 13 to the plate pos. 9
- 13) Fix the eyewash tube pos. 14 to the plate pos.9
- 14) Line up the items
- 15) Screw the flexible tube pos. 15 to the valve pos. 16
- 16) Fix with braces pos. 17 the eyewash group to the safety grab bars
- 17) Fix the ring of the chain pos. 18 to the protection pedestal
- Fix the brace's hinges pos. 19 to the protection pedestal and fix accordingly



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5C730

SC300PSS protection frame installation



- 1) Screw on feet pos. 2 to pipe pos. 3 and base pos. 1
- 2) Fix pipe pos. 4 with screw pos. 7
- 3) Fix pipe pos. 5 with screw pos. 7
- 4) Fix springs pos. 6 to pipe pos. 4 to footboard pos. 7





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Position

- Emergency showers and eye face washbasins must be installed near the working place, within a distance of no more that 7 or 8 metres and must be accessible and easy to reach.
- Emergency showers and eye face washbasins are not supposed to be near electrical installations nor electrical supplies.
- Do not leave objects nor put obstacles on the way to emergency showers or eye face washbasins.



Installation norms

- The installations have to be made by qualified people. The conditions must be controlled according to the terms reported in the maintenance instructions.
- The shower head of the emergency shower are to be installed at a distance from the floor between 2100 and 2300 mm (UNI Norm 9608).
- For the installation of the difference types consult the above instructions.
- To avoid accidents due to slipping or bumping, build an efficient draining system for the water

being used and keep the floor dry.

Medical equipment. European Norm 93427 CEE.



Water supply

- Emergency showers and eye face washbasins must be supplied with potable water, avoiding for sure contamination with non potable waters, such as industrial or re-circulated waters.
- Make sure that the supply water does not contain particles that could damage the eyes.
- The supply system must assure a water pressure between 0.2 and 0.5 MPa (2.5 bar).
- The water temperature must be between 15 ° C and 35 ° C (UNI NORM 9608). An efficient filtering system is recommended at the inlet of emergency units.

- A good stop valve is recommended before the emergency unit in order to rationalise and speed the maintenance work.
- If the supply stop valve is operated by a knob or by a lever, after having checked that it is in the "OPEN" position remove the device and make sure that it is in the safe hands of the maintenance people.



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EYE WASHBASINS AND EMERGENCY SHOWERS



Spare parts

	ISC 30006	Plug with chain
	II 0007640	1" FF ball valve
PUSH	ISC 30005	"PUSH" handle
	ISC 7640	1/ 2 " FF ball valve
	ISC 870	Shower head
6	ISC 80001	Lever
\triangle	ISC 80002	Pull rod
	SC 0001	P.P. eye washbasin
	ISC 50714	Double arms eye washba- sin with aerators