

Electronic basin tap or mixer  
with anti-Legionella Rinse out Program

230/12V.



Automatic draining for 45 sec., each 24 hours after last use

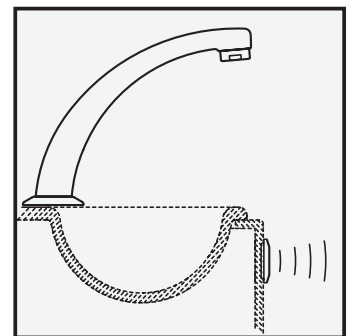
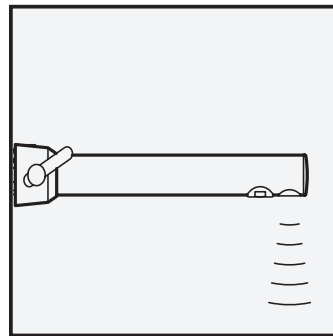
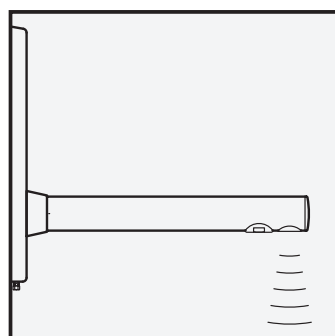
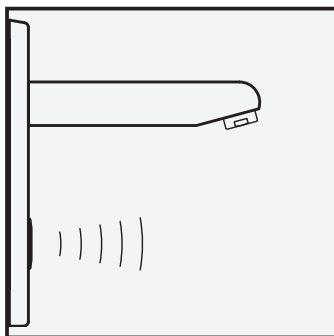
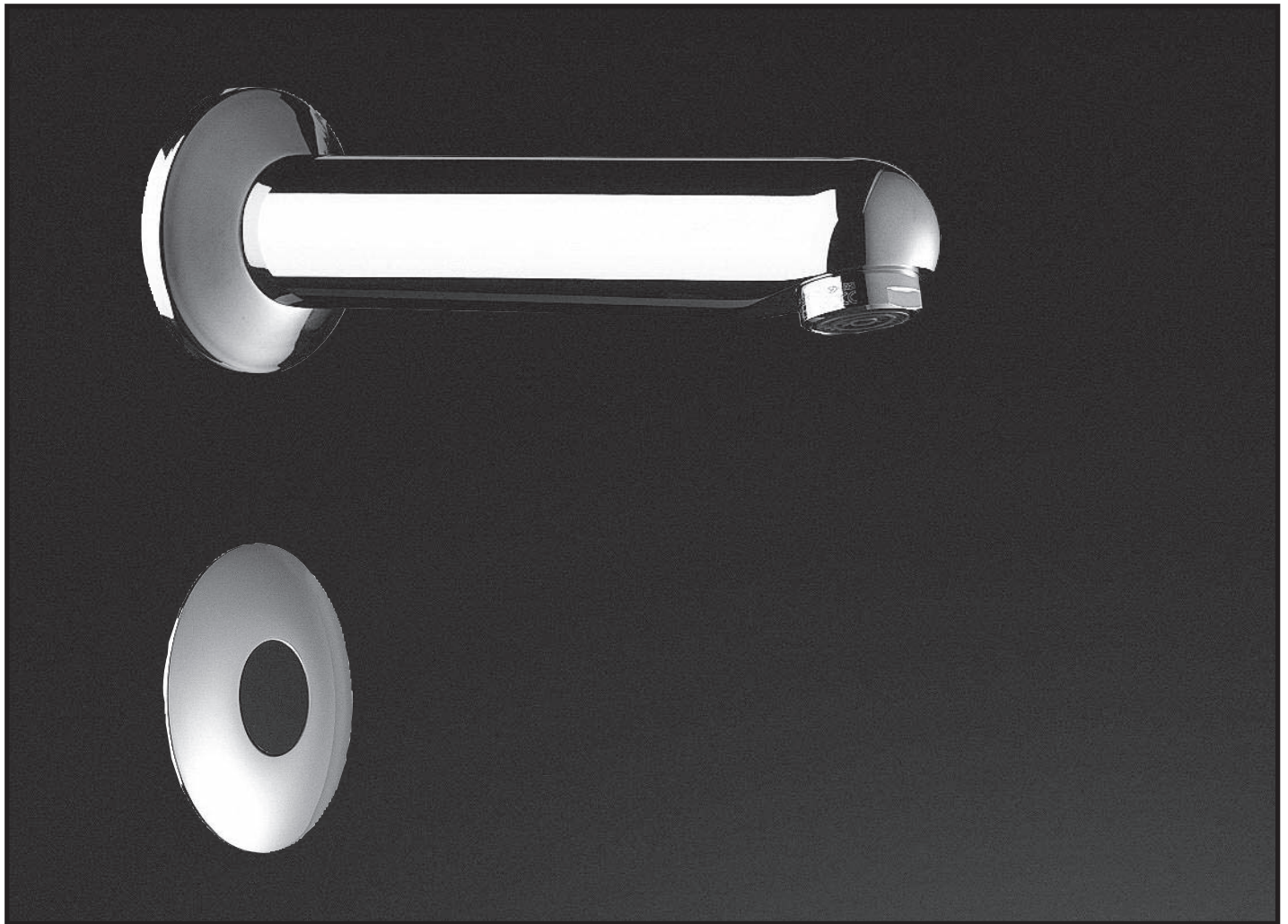


fig. 1

447500

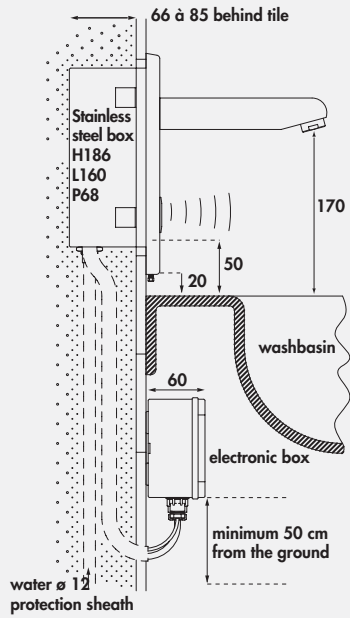


fig. 2

447922

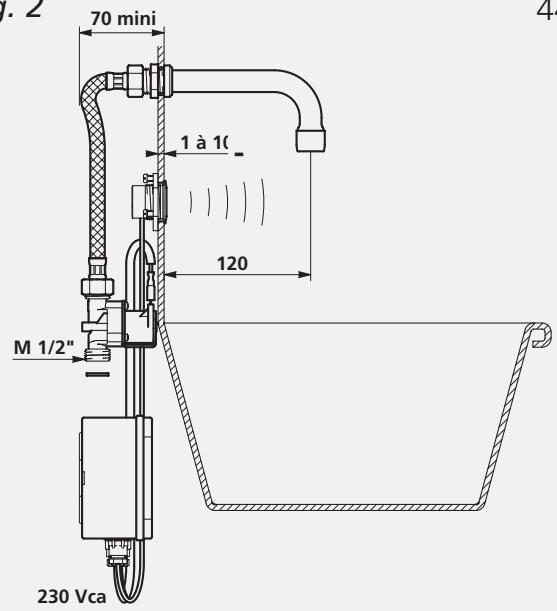


fig. 3

441157

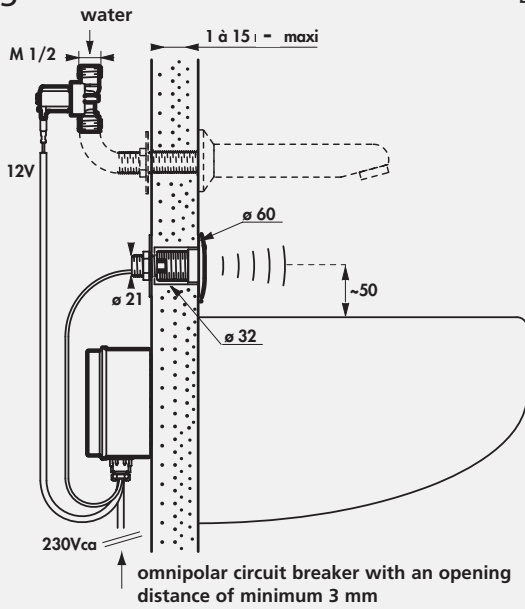


fig. 4

447981

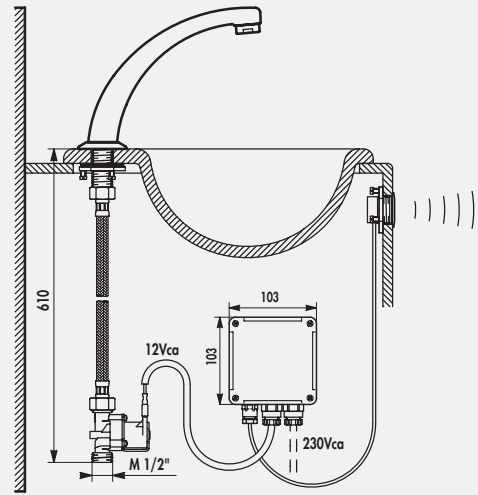


fig. 5

379DER

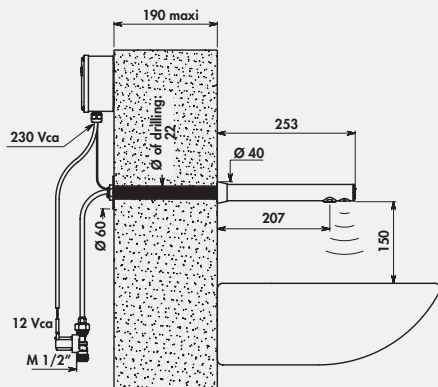


fig. 6

379ENC

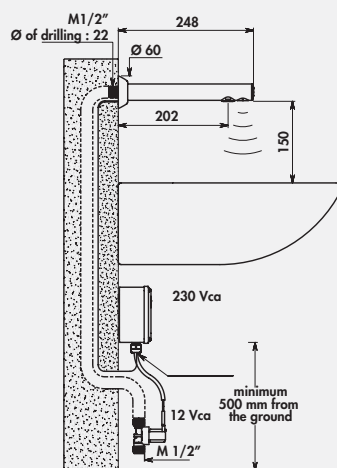


fig. 7

379MCH

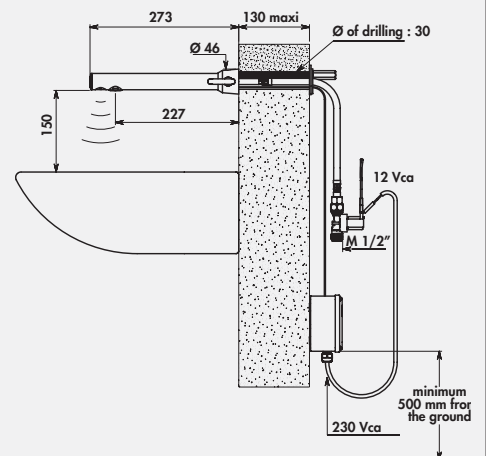


fig. 8

379ECM

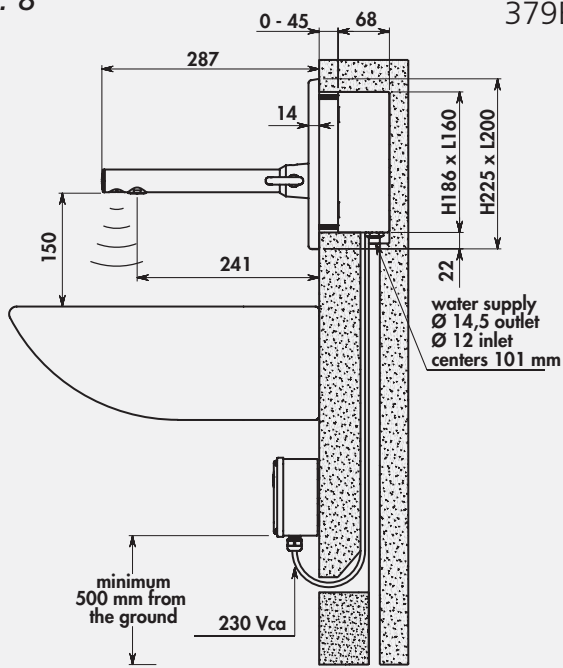


fig. 9

379BOE

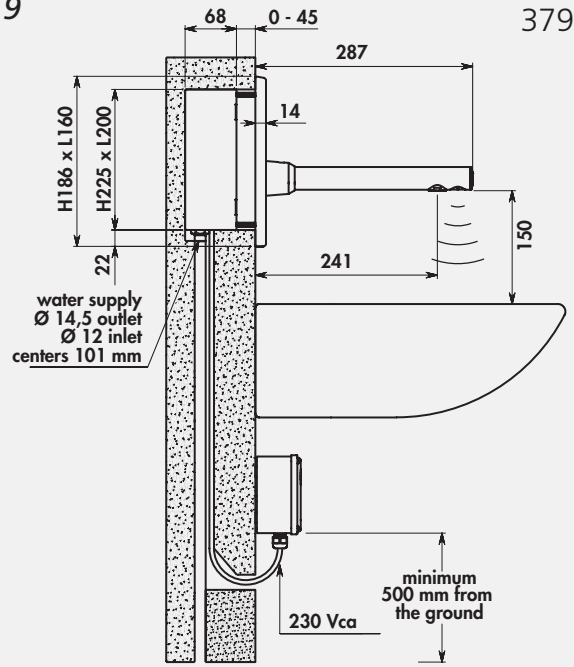
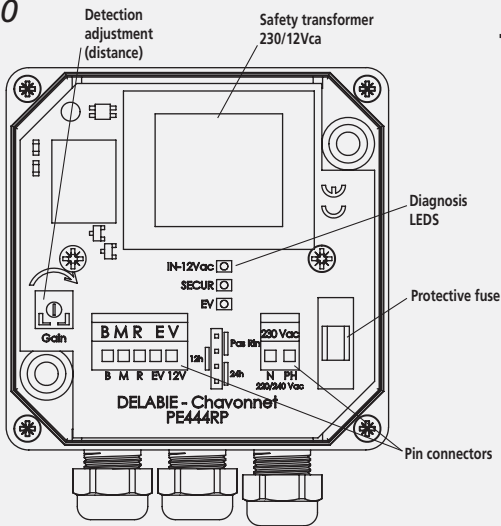


fig. 10

TOP



DOWN

fig. 11



fig. 12



fig. 13

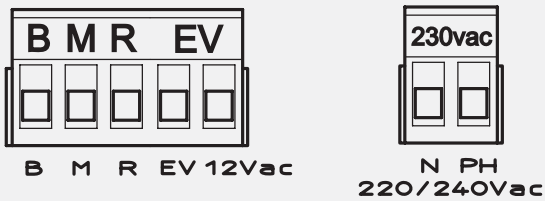
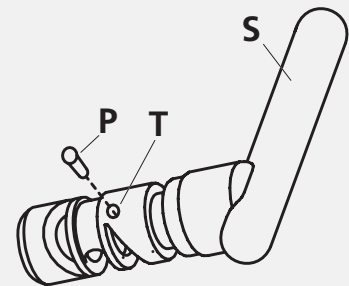


fig. 14



- Infrared detection of presence: automatic opening and shut-off 2 sec. after hands are removed.
- **Anti-Legionella rinse-out program** : Automatic draining for 45 sec. each 24 hours after last use.
- Option: Possibility to cancel automatic draining, or to adjust for 12h (see ADJUSTMENTS).

## WATER SUPPLY

- Supply with cold or mixed water
- Water supply pressure: 1 to 5 bar.
- **Thoroughly flush the water supplies** before connecting flexible hoses.
- Set the tap :
- **Type 447500 wall recessed** : (fig. 1)

### WALL

- The stainless steel box must be recessed at an approximately height of 50 mm above the basin in a 188x162x70 minimum reserve. Provide holes for the feed-channel and provide the sheath for the termination to the electronic box.
- Braze a copper tubing  $\varnothing$  12 on the termination. It's possible to join the feed-channel above, inverting the box.
- Lay a sheath  $\varnothing$  18.
- Turn down lightly the 4 clips of the box on the back. Two holes in the bottom of the stainless steel box can eventually allows its fixing from the bottom.
- Seal the box, the copper tubing, the sheath. Bed with sealant inside and on the lower part of the box in order to provide potential ipercolations throught the wall.

### DRY WALL

- To fix the box with the 4 clips, reinforce the dry wall with 2 grounds.
- Keep on installing (see § WALL).

### COMPACT RIGID PANNEL

- Cut an opening H188xL162 in the pannel. Fix the stainless steel box behind the pannel with 4 "M 5" bolts.
- Make the hydrological and electric terminations (see § WALL).

### FIXING OF THE LID

- After the final lining of the wall, fix at the nevel the brackets on the stainless steel box thanks to 4 screws.
- Put on the hydrolic component.

- Pass the sensing cables and the solenoid valve throught the sheath.
- Connect the flexible between spout and solenoid valve.
- Interlock the lid on the upper brackets. After tests : with a 5 Allen key, tighten the 2 screws under the lid to jam it.
- Connect the solenoid valve **in respect of direction of the water flow**: arrow engraved on the body. **Install the supplied washers** in order to protect the solenoid valve from impurities.
- Set the wall box under the washbasin, at a minimum distance of 50 cm from the floor, **compression glands down**.
- Replace fixing screws with joints. Close the box.
- **Type 447922 on pannel and 447981** : (fig.2 & 4)
- Put on the spout on the pannel in repect of the drawing dimensions.
- For the 447981, put on the tap on the washbasin : diameter of drilling  $\varnothing$  21, and jam the 2 nuts.
- Connect the solenoid valve as above.
- **Type 441... throught the wall mounted** : (fig.3)
- Fix the detection sensor TC 447150 throught the wall at an approximately height of 50 mm above the basin. Fix the wall mounted fixed spout 947... throught the wall, above the sensor and in the alignment of it, at an approximately height of 100 mm. Connect the solenoid valve (see above) to the spout throught a rigid tube or a flexible 1/2" BSP(FF).
- **To avoid I.R. beams interferences, do not install two TEMPOMATIC opposite each other, or facing a mirror nor a bright thing.**

## - **Type 379ECM-BOE wall recessed** : (fig. 8 & 9)

### **WALL**

- The stainless steel box must be recessed at an approximately height of 50 mm above the basin in a 186x160x66 minimum reserve. Provide holes for the feed-channel and provide the sheath for the termination to the electronic box.
- Braze a copper tubing  $\varnothing$  12 on the termination. It's possible to join the feed-channel above, inverting the box.
- Lay a sheath  $\varnothing$  18.
- Turn down lightly the 4 clips of the box on the back. Two holes in the bottom of the stainless steel box can eventually allows its fixing from the bottom.
- Seal the box, the copper tubing, the sheath. Bed with sealant inside and on the lower part of the box in order to provide potential impercolations through the wall.

### **FIXING OF THE LID**

- After the final lining of the wall, fix at the level the brackets on the stainless steel box thanks to 4 screws.
- Put on the hydrolic component.
- Pass the sensing cables and the solenoid valve through the sheath.
- Connect the flexible between spout and solenoid valve.

- Interlock the lid on the upper brackets. After tests : with a 5 Allen key, tighten the 2 screws under the lid to jam it.
- Connect the solenoid valve **in respect of direction of the water flow**: arrow engraved on the body. **Install the supplied washers** in order to protect the solenoid valve from impurities (see fig.15).
- Set the wall box under the washbasin, at a minimum distance of 50 cm from the floor, **compression glands down**.
- Replace fixing screws with joints. Close the box.

### - **Type 379DER et 379ENC** : (fig. 5 & 6)

- Put on the BINOPTIC spout on the pannel in respect of the drawing dimensions. Diameter of drilling  $\varnothing$  22.
- Respect the dimension of 150 minimum between the top of the tap and the sensor located on the spout.

- Connect the solenoid valve as above.

### - **Type 379MCH through the wall mounted** : (fig.7)

- Put on the BINOPTIC spout on the wall in respect of the drawing dimensions. Diameter of drilling  $\varnothing$  35.
- Jam the nut on the mounting clip.
- Respect the dimension of 150 minimum between the top of the tap and the sensor located on the spout.
- Connect the solenoid valve as above.

## TEMPERATURE LIMITATION (on MIXERS)

### **LATERAL SELECTOR** (see fig.14)

- The limiting device is not pre-set and should be adjusted on-site for safety. You can limite maximum temperature for each users (children, elderly or disabled,...)
- Remove the screw located backwards the body of the tap with a 4 mm Allen key, in order to remove the temperature mixing device (S).
- Remove the cap (P) from hole (T). When the temperature lever selector is in its maximum position for hot water, cold water can flow through the hole (T). Outflow temperature is consequently decreased.
- Move up the sensor lightly, turning to provide damaging of joints.



## ELECTRICAL SUPPLY

- Power supply 230V-50Hz  $\pm$  10% (without earth circuit). The whole installation must be in conformity with norms in force in your country.
- Install a circuit breaker before the electronic control box.
- The anti-interference screened WIRE must not be lengthened (damaged wire must be replaced). Other lengths (up to 5 m.) are available on request.
- The maintenance of cables will be guaranteed by fix laying (bracket or rigid sheath).

## ELECTRICAL CONNECTION



- Plug solenoid valve wire into the terminal EV 12V with the supplied connection (see fig. 13).
- Plug sensor wire into the removable terminal BMR :
  - **WHITE** wire : terminal **B**
  - **COPPER** wire : terminal **M**
  - **RED** wire : terminal **R**
- Never cut nor extend the sensor wire (DET).
- Wire the unit to the power supply 230V with standardized cable to the terminals 230V, after a disconnecting switch.
- Replace correctly the rubbers inside the compression gland.

## ELECTRONIC CONTROL BOX FUNCTIONING

- When the appliance is powered, **YELLOW LED** (IN-12Vac) lights up. (see fig. 10 and fig. 11)
- Water starts flowing when hands are detected: **GREEN LED** (EV) lights up. When hands are removed from the sensor, green LED turns off.
- In case of continuous presence of hands in front of the sensor, voluntary obstacle or continuous detection of a bright thing, the appliance places itself in safety after 45 sec. : flow stops, **RED LED** (SECUR) lights up. TEMPOMATIC will operate again after hands have been removed from the detection field.

Ambient temperature should not exceed 40°C to assure good working order of the electronic control box.

## ADJUSTMENTS

- DISTANCE OF DETECTION is adjustable from 8 to 25 cm with the potentiometer "**GAIN**" in the box. (see fig. 10 and fig. 12)
- ANTI-LEGIONELLA RINSE programmed to realise an automatic draining operates of 45 sec., each 24 hours after last use, can be canceled or can be programmed to realise an automatic draining operates each 12 hours after last use. (see fig. 10)

- **Chrome cleaning**  
The plated chrome must only be cleaned with soapy water and soft cloth. Never use abrasive or chlorine, or other chemical products.
- **Risk off reezing**  
Bled the pipes by operating several times the appliance in order to clear off the valve.

**RECOMMENDATION :**

- Appropriate diameter of water supplying pipe avoids water hammering and pressure/flow rate losses (see table of calcul on our website ).
- We recommend to protect the installation with filters, water hammer absorbers, pressure reducers in order to decrease the frequency of maintenance (recommended pressure from 1 to 5 bar maximum).
- Stop valves installed upstream connections are useful for servicing.
- Pipes, stop cocks, drawing taps and all other sanitary fittings must be controlled as frequently as necessary, at least every year.

fig. 15

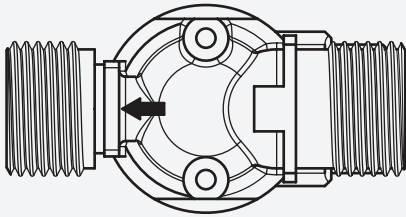
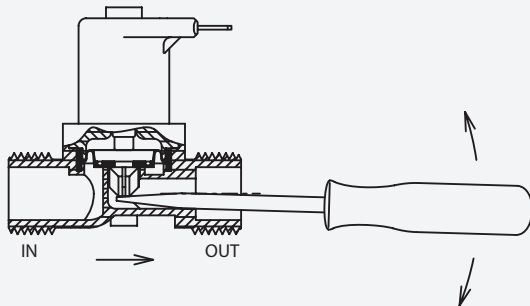


fig. 16



**CE** Appliance in conformity with European Rules 89/336/CEE 102.

- The YELLOW LED "IN-12Vac" must be turned on (fig.11). If it is turned off, control the power 230Vc on the connection and change the fuse if necessary. If problem continues, change the electronic control box. ref. 495444RP.

**IF THERE IS NO SHUT-OFF (WATER STILL RUN) :**

Switch off the current 230V. : If water flow stops, replace the electronic control box ref. 495444RP.

If water flow doesn't stop, check if the arrow carved on the solenoid valve is corresponding to the flow direction (fig. 15). and clean/flush the valve through the outlet, by raising the piston with a small screwdriver (fig. 16). Set it again (with filter).

**IF WATER DOES NOT RUN WHEN HANDS ARE IN FRONT OF THE INFRARED DETECTOR :**

- RED LED turned on (fig.11): Safety program mode is running after continuous detection of hands/obstacle for 60 sec. Remove the obstacle.
- GREEN LED does not turn on with hands in the detection field (fig.11):
  - Clean the sensor, and check the connection to BMR terminal.  
Check that wires do not adjoin.
  - Check the sensor wire has not been cut or lengthened (standard length 70 cm).
- GREEN LED turned on, water does not flow (fig.11) :
  - the solenoid valve is not opening.
  - Check and clean the filter.
  - Check that power on the solenoid valve is 12Vac  
If yes, change the solenoid valve,  
If not, control that the supply wire is correctly connected or that it is not cut.