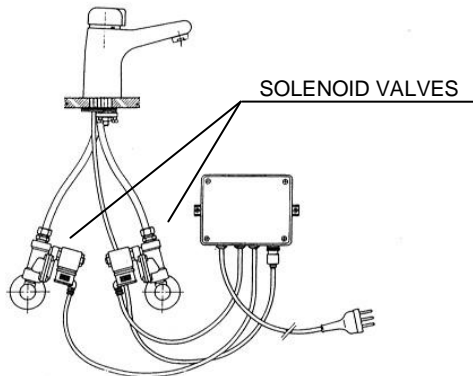


ELECTRONIC MIXERS



Equipment for supplying water without hand contact. By moving the hands in the infrared area of taps or approaching shower and urinal systems, water will flow. The use of electronic mixers is compulsory in places requiring special precautions, such as hospitals and public places. Furthermore this application will get a reduction of consumptions due to the fact that the water supply stops automatically a few seconds after use.

CONSTRUCTION DIAGRAM OF THE SYSTEM



SOLENOID VALVE APPLICATION

The system is based on an optical sensor (photocell) producing an infrared beam of light. When the beam is interrupted by the presence of a body the sensor sends an electric impulse to the control unit, which electrically operates the two solenoid valves. The valves are connected to the hydraulic system and deliver hot and cold water. Thanks to a mixer, the water temperature is properly regulated.

SOLENOID VALVES USED



TYPE B204
2/2 way NC pilot operated solenoid valve
with series 2 coils

WE RECOMMEND:

A remarkable flow rate is needed for this application. Therefore the choice of a pilot operated solenoid valve in place of a direct acting valve is justified by a very large nominal diameter (ϕ 13 mm). In addition the recommended valve undergoes a Niploy coating process to withstand outdoor deterioration caused by the atmosphere in places like urinals. The recommended valve is more competitive than stainless steel valves of our competitors.

Please note that in certain cases is taking place an electronic cartridge mixer, which M&M doesn't manufacture. Anyway, extremely high cost makes the traditional solution with solenoid valve still attractive.