

DISTRIBUTION UNIT WITH THREE WAY MIXING VALVE

Applications

The distribution units with motorizable three way mixing valve Art. **735NDX**, version with right side supply, and Art. **735NSX**, version with left side supply, are used in heating systems where it is necessary to control the delivery temperature to the users with high precision by means of an electronic regulator, usually of the type with regulation curves compensated according to the temperature outside the building. Its greatest use is in radiant underfloor heating and cooling systems, but it is often also used in traditional radiator systems in order to obtain maximum comfort with lower energy consumption. Its installation can be in combination with coplanar distribution manifolds, directly combined with thermal storage tanks, or in centralized systems to be renovate.

Made of brass parts and copper tubes, the unit is equipped with a sector type mixing valve endowed of high coefficient of flow, that combined with a latest generation high efficiency circulator with high prevalence, allow to the unit to be able to adapt to the flow requirements, both in terms of water rate and in terms of available pressure. The sturdy preformed insulating shell in Expanded Polypropylene limits energy losses, allows easy control and maintenance of the unit, makes it aesthetically pleasing and protected from powders.


735NDX-086

Technical Data

- Maximum Operating Pressure 6 bar
- Maximum Test Pressure 10 bar
- Maximum Inlet Temperature at the unit 85°C
- Ball valves 1" size with control thermometers range 0÷80°C
- Lower connection 1-1/2" flat seat
- Center distance unit 125 mm
- Unit support bracket in carbon steel zinc plated
- Check-valve integrated in the return ball valve
- Tree way sector mixing valve DN20 with KV = 6,3
- Flow coefficient of the unit KV = 5
- High efficiency electronic circulator Wilo Para 25/8 – 180 mm
- Automatic reset safety thermostat with threshold 55°C
- Maximum glycol percentage 30%
- Forged components made of Brass Alloy UNI-EN 12165 CW617N
- Machined components made of Brass Alloy UNI-EN 12164 CW614N
- Three way mixing valve body with low rugosity forged
- Return pipe made of copper DN32
- O-ring made of EPDM and flat gaskets made of fiber
- Motorizable with servomotor Art. 730MT available in the version 230V-50Hz, 24V, and 24V 0-10V, or with Art. 730CRC and Art. 730CC supplied 230V-50Hz
- Possibility of manual maneuver of the mixing valve
- Totally Made in Italy


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Ball valves with ergonomic maneuver knobs and integrated thermometers

Dimensions

