

3 WAYS LATERAL MIXING VALVE WITH EQUIPERCENTAGE FLOW CURVE

3/4" - 1"

Regulation of the mixed water temperature



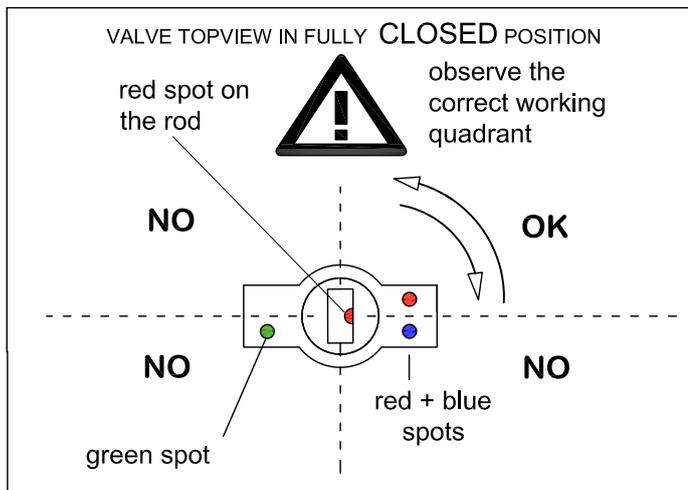
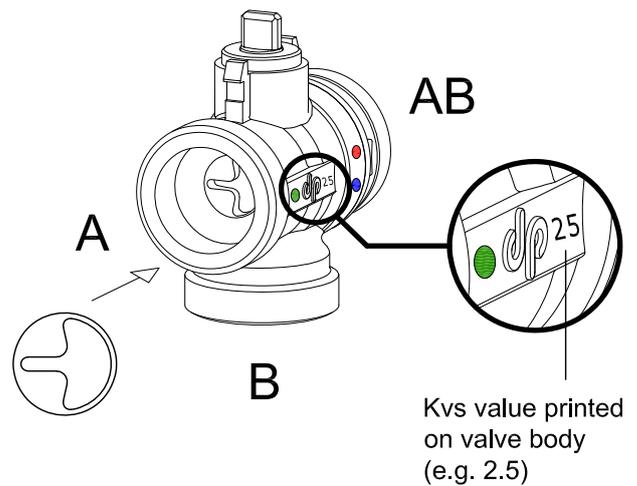
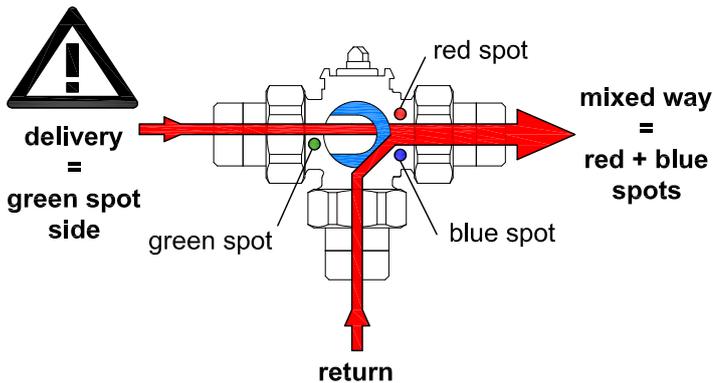
OPERATING INSTRUCTIONS

WORKING

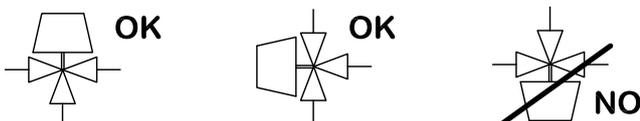
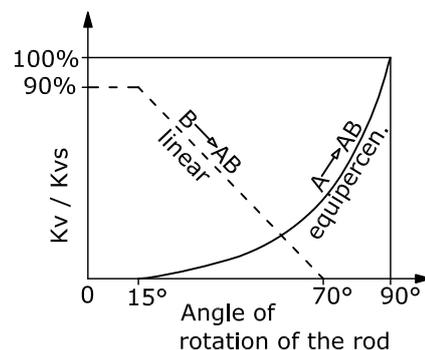
Brass body valve is provided with a ball shutter, seated between two PTFE discs: the one placed in the delivery side is Y-shaped according to the **equi-percentage regulation** flow rate; the return way is shaped in order to obtain a **linear regulation**. The combination of the delivery and return flow produces an optimum temperature modulation for the mixed fluid coming out from the lateral way.

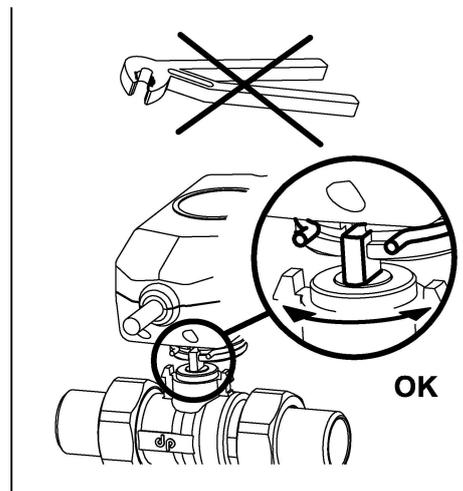
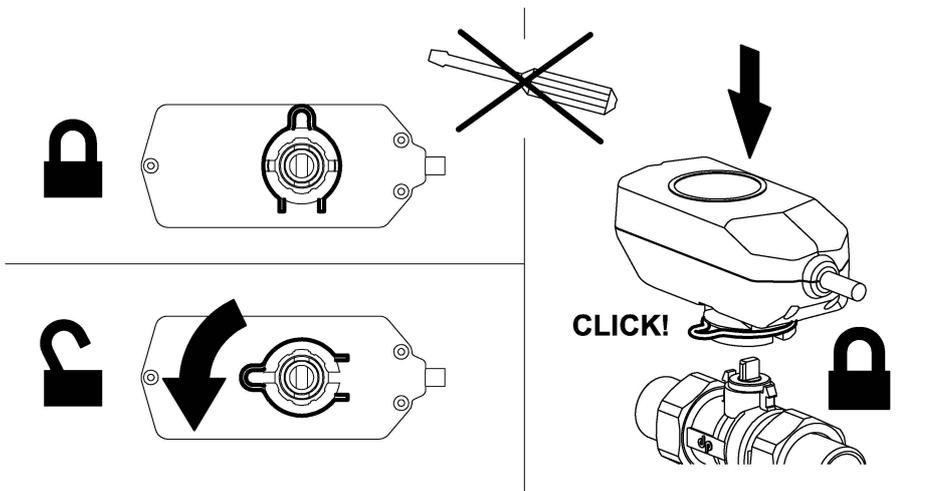
De Pala valve is powered by a **bidirectional servomotor** with **90° reversible movement** coupled to the valve body by means of a quick-release **bayonet coupling system**. Servomotor can be controlled by a 3-point modulating control with a precise ball shutter positioning proportionally related to the control signal. It can be also controlled by an electronic control with chrono-proportional outputs or by means of a climatic electronic control with external and inlet pipe sensors.

INSTALLATION

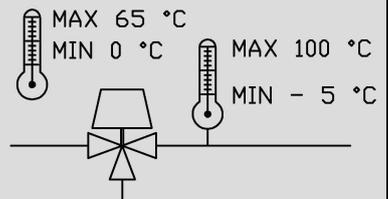
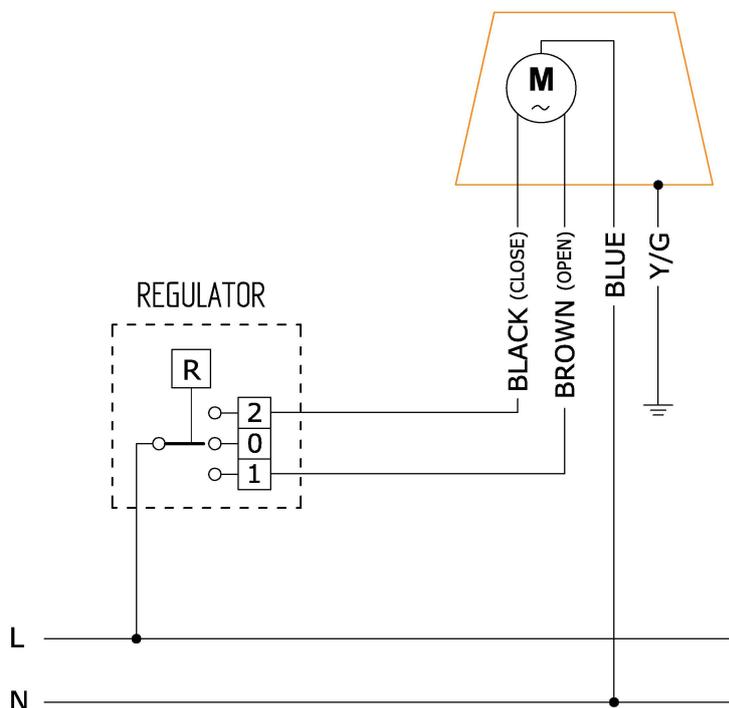


| Ø | 3/4" | 1" |
|--|------|-----|
| Kvs A-AB (m ³ /h) | 2.5 | 4 |
| | 4 | 6.3 |





□ ELECTRIC CONNECTIONS



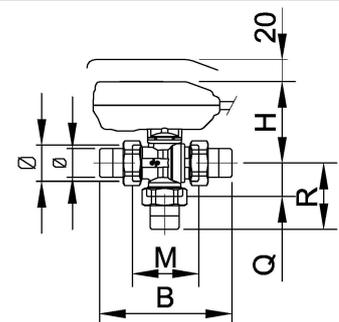
BEFORE INSTALLING THE VALVE BE SURE THAT NO SOLID RESIDUES, LIKE WELDING OR THREADING RESIDUES, REMAIN IN THE HYDRAULIC CIRCUIT

BODY VALVE TECHNICAL FEATURES

| | |
|-------------------------------|--|
| UTILISABLE FLUIDS | WATER OR LIQUIDS COMPATIBLE WITH PTFE AND EPDM |
| FLUID TEMPERATURE RANGE | - 5 ÷ 100 °C |
| MAXIMUM OPERATING PRESSURE | 10 bar |
| MAXIMUM DIFFERENTIAL PRESSURE | 4 bar |

SERVOMOTOR TECHNICAL FEATURES

| | M2AL | M2SL |
|------------------------------|------------------------------------|--------------|
| CONTROL TYPE | 3 WIRES | |
| SUPPLY VOLTAGE | 230 V - 50 Hz | 24 V - 50 Hz |
| POWER CONSUMPTION | 4 W | |
| FULLY OPENING (CLOSING) TIME | 60 " x 90 ° | |
| WORKING AMBIENT TEMPERATURE | 0 ÷ 65 °C | |
| ELECTRIC PROTECTION RATING | IP 54 | |
| ELECTRIC CABLE | 4 x 0.75 mm ² - 1 meter | |



| Ø | Ø | H | M | B | Q | R |
|------|--------|----|----|-----|----|----|
| 3/4" | 1" | 75 | 60 | 120 | 30 | 60 |
| 1" | 1" 1/4 | 78 | 72 | 141 | 35 | 70 |

GUARANTEE The Seller warrants each new servomotor to be free from defects in material, workmanship and construction, and that when installed and used in accordance with this technical datasheet will perform to applicable specifications for a period of two years from the date of delivery. If examination by the Seller discloses that the product has been defective, then its obligation is limited to repair or replacement, at its option, of the defective product or its components. The Seller is not responsible for products which have been subject to misuse, alteration, accident or for repairs not performed by the Seller. Products must be returned properly packed with transportation charges prepaid to The Seller; return delivery terms will be DDP Seller's Factory. The foregoing warranty constitutes the Seller sole liability, and is in lieu of any other warranty, of merchantability or fitness. The Seller shall not be responsible for any incidental or consequential damages arising from any breach of warranty.

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