

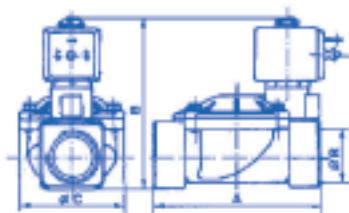
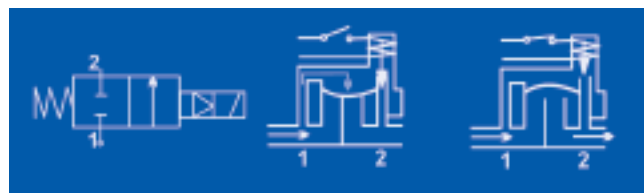
# NORMALLY CLOSED VALVE BODIES SERVO-ASSISTED DIAPHRAGM



**Solenoid valves for steam and superheated water. Suitable for medium and large flow rates.**

### INSTALLATION AND OPERATION

- > 2 way valve, normally-closed
- > Servo-assisted membrane actuator
- > Female end connections, size 3/8" to 2" BSP
- > Upstream media enters the space above the membrane, pressing it against the seat, preventing the flow. When the coil is energized, the pilot plug opens discharging the flow, therefore the media lifts the membrane disc allowing the flow
- > N.B. minimum differential pressure : 0.1 bar



| TYPE | A   | B     | C   |
|------|-----|-------|-----|
| 23C  | 69  | 92.5  | 40  |
| 23D  | 72  | 94.5  | 40  |
| 23E  | 100 | 100   | 65  |
| 23F  | 104 | 105.5 | 65  |
| 23G  | 145 | 127   | 102 |
| 23H  | 145 | 127   | 102 |
| 23I  | 173 | 141   | 118 |

*Dimensions and weights are inclusive of coil*

### SPECIFICATIONS

- > Closing time : 10 msec.
- > Press-forged brass body
- > Internal parts in stainless steel ( 17 % CR )
- > Gaskets in NBR ( buna N )
- > Diaphragm in fluorin-rubber
- > With dc coil indicated pressure values must be reduced by 60%

### MAGNETS

- > Actuator coils are supplied separately, see Coils page for voltage selection and technical data

| TYPE | Through bore dia. Ø mm | Female connection BSP | Kv m³/h | Shut down time with 1 bar DP sec | Minimum differential pressure bar | Maximum differential pressure bar | Working Temperature °C | Unit Weight Kg |
|------|------------------------|-----------------------|---------|----------------------------------|-----------------------------------|-----------------------------------|------------------------|----------------|
| 63C  | 13                     | 3/8"                  | 3       | 1                                | 0.1                               | 4                                 | -10 to 140             | 0.55           |
| 63D  | 13                     | 1/2"                  | 3       | 1                                | 0.1                               | 4                                 | -10 to 140             | 0.58           |
| 63E  | 20                     | 3/4"                  | 8.4     | 1.5                              | 0.1                               | 4                                 | -10 to 140             | 1.02           |
| 63F  | 25                     | 1"                    | 9.6     | 1.5                              | 0.1                               | 4                                 | -10 to 140             | 1.10           |
| 63G  | 35                     | 1 1/4"                | 25.2    | 2.5                              | 0.1                               | 4                                 | -10 to 140             | 3.15           |
| 63H  | 40                     | 1 1/2"                | 30      | 3                                | 0.1                               | 4                                 | -10 to 140             | 2.90           |
| 63I  | 50                     | 2"                    | 37.2    | 3.5                              | 0.1                               | 4                                 | -10 to 140             | 4.3            |

*Kv = water flow in m lh with pressure drop of 1 bar (1 bar = 100kPa)*