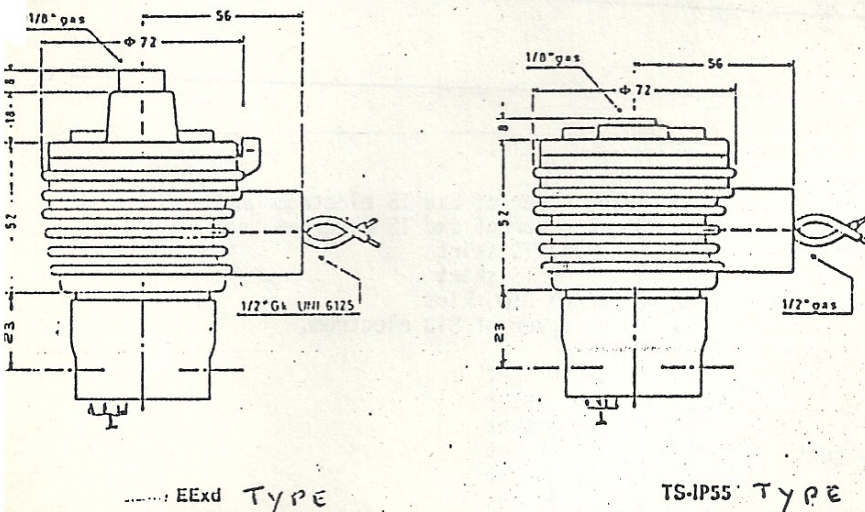
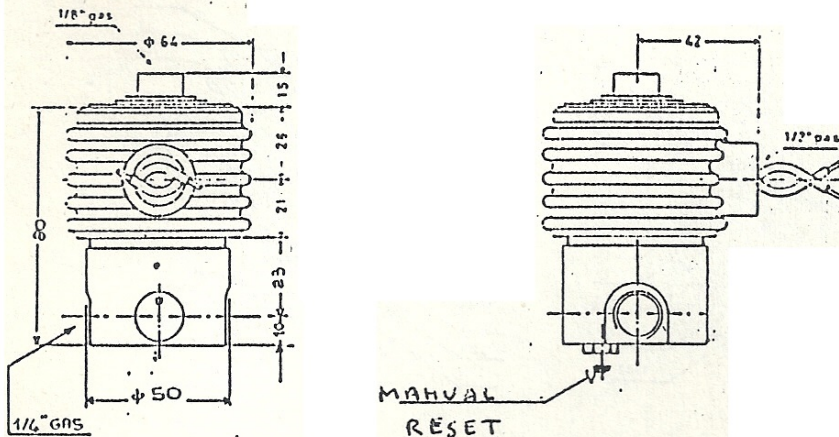


MANUAL RESET THREE WAY SOLENOID VALVES

Model EDR 303

Table 302



Specifications

Manual reset three-way solenoid valves model EDR303 are particularly suitable for controlling small simple-action pistons or spring-loaded, pneumatically operated valves. The absence of a packing gland and the fact that internal parts are in direct contact with the controlled fluid prevent any possibility of trouble due to oxidation caused by atmospheric substances.

1/4" body joints and 1/8" outlet joints.

Use

Suitable for air, water, oil or other fluids compatible with the materials used in the valve construction. Operating pressure from 0 to 12 Kg/sq.cm. for normally closed valves from 0 to 4 Kg/sq.cm. for universal valves.

Construction

Gaskets in Buna N (Viton optional on request). Internal parts in stainless steel, forged brass body. Weight 1 Kg.

Electrical characteristics

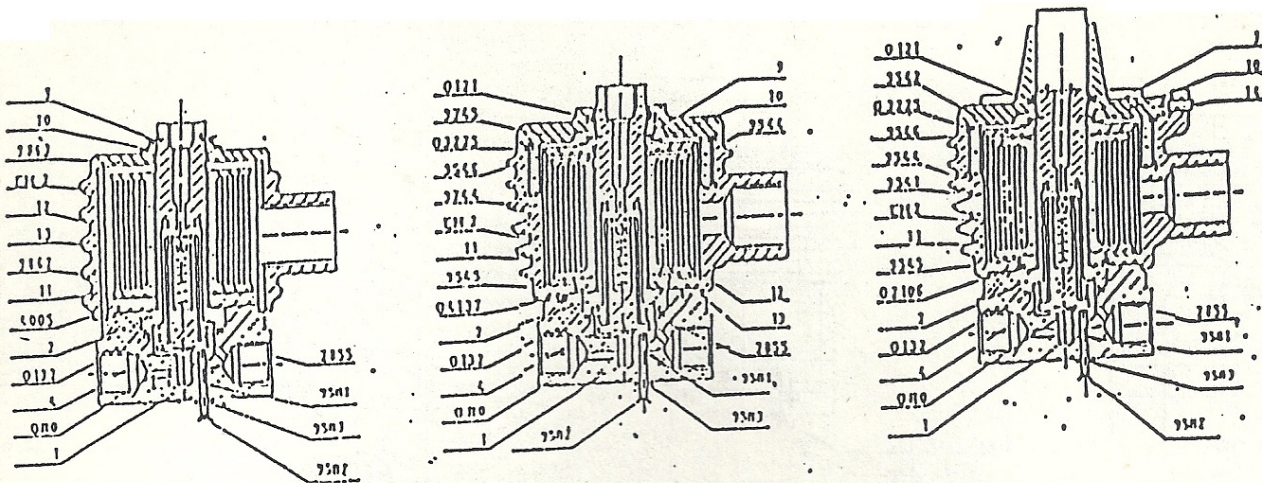
Solenoid coil wound with double enamel Class H wire.
Absorbed power: 9 watts for DC operation. Voltage tolerance $\pm 10\%$

Optional

AISI 316 or 304 stainless steel body.
IP55 waterproof solenoid enclosure
Model EM2A explosion-proof solenoid enclosure (CEI standards 31.1 Gr. IIB T5).
CESI Certificate AD-910/74

MANUAL RESET THREE WAY SOLENOID VALVES

Model EDR 303 INOX



NOMENCLATURE

- 1 Body inox
- 2 Core guide inox
- 4 Core
- 9 Fastener
- 10 Spring washer
- 11 Internal spring
- 12 Pin inox
- 13 Bush
- 14 UNI5927 M4x6 screw
- 2855 Spring
- 4005 Lower cover of STD electromagnet
- 9541 Exd outer skirt
- 9542 Cover of Exd skirt
- 9544 External TS skirt

- 9545 Lower cover of Exd TS electromagnet
- 9546 Upper cover of Exd TS electromagnet
- 9744 External TS skirt
- 9745 Cover of TS skirt
- 9862 External STD skirt
- 9863 Upper cover of STD electrom.
- EM2 Coil
- GRO O Ring gasket
- G121 O Ring gasket
- G132 O Ring gasket
- G2106 O Ring gasket
- G3225 O Ring gasket
- G4137 O Ring gasket

Operation:

Core 4, which is an internal part of solenoid, bears the inlet block and the outlet gasket. Spring 11 provides the stress for the preload of the outlet gasket.

Pushing the reset pin; the core is drawn up-wards but the valve remains in operating position only if energized. The inlet is thus connected with the using circuit and the exhaust is closed. De-excitation of the coil causes spring 2855 to move the core back to its original position, connecting the using circuit with the exhaust. The reciprocal operation applies in case of normally open models.

Maintenance:

The simple design of these valves and the absence of a packing gland ensure long periods of operation not requiring any maintenance.

Should some component be replaced or the interior cleaned, proceed as follows.

Remove fastener 9 and withdraw the whole electromagnet assembly.

In case of waterproofed TS valves or explosion-proof Exd valves, you must first unscrew housing cover 9745 or 9542 respectively.

Unscrew core guide 2 using a spanner using only the two holes at the base of this component. After having performed the required maintenance, reassemble following the same steps in reverse.

Should any component part need replacement contact Morrel Int. Srl making reference to drawing No. 7611, indicating the relevant component number and the full model and version numbers of the valve.