

galassi & ortolani s.p.a.

valvole speciali per l'industria

Via Ghirlandaio, 2/4
20096 Pioltello -MI- (Italy)

Tel. ++39-02-92103459
Tel. ++39-02-92103801/02
Fax ++39-02-92103804

<http://www.galassiortolani.com>
E-mail: info@galassiortolani.com

Instruction Manual

Butterfly Valve model GS.40-40A-40W-40WL-40AW-40AWL

The type models GS.40-40A-40W-40WL-40AW-40AWL butterfly valves operate by means of a "single effect" pneumatic actuator with return spring, wheel for emergency closing and bushing for regulating the piston stroke.

The cylinder size ensures valve operation even when pressure is relatively low.

For the best operation it is recommended to replace, when necessary: the rubber sleeve, the butterfly, the piston and cylinder gaskets, the spring and the rack.

To replace rubber sleeve and butterfly:

1. Unscrew the bolts, the washers and the nuts (part.10-14-15) and remove the pneumatic part.
2. Unscrew the bolts, the washers and the nuts (part.13-12-11) and open the valve body (part.4-3).
3. When the butterfly disc is in the open position, press the connection downwards and slide the butterfly out.

To re-assemble:

1. Thread in the butterfly on the side of the longer rod in the rubber sleeve hole, press the rubber sleeve downwards and insert it into the shorter side.
2. Insert the butterfly with rubber sleeve into the body of the valve, screw up the bolts and insert the pneumatic structure.

To replace the gaskets, springs and pneumatic structure:

1. Remove the bolts and washers (part.25-19) of the cylinder, central body. Unscrew the cylinder so that it detaches itself from the rack (part.20).
2. Feed air into the cylinder (part.21) and lower the wheel (part.39) into the regulator bushing (part.38) and bleed off the air when this operation is completed.
3. Remove the bolts, nuts and washers (part.42-43-44) and unthread the cylinder from the upper pneumatic structure. The gaskets (part.29) is located in the cylinder. The piston gasket (part.23) is located in the piston (part.22), while the spring (part.34) is inside the cover chamber (part.36).

To re-assemble:

Before reassembling ensure that the cylinder chamber is perfectly clean and oil with silicon oil. Use compressed air without condensation for perfect operation of the pneumatic structure.

N.B. All part numbers will be found in our technical and parts catalogue.