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valvole speciali per l'industria

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Instruction Manual

Butterfly valve, Model GS.36

Butterfly valves, MODEL GS.36, are operated by a two-action pneumatic actuator. The adoption of large volumetric capacity cylinders allows us to ensure you valve operation even under comparatively low pressures.

Replacement, if necessary, of sleeve, butterfly and gaskets of pneumatic cylinder, therefore, is recommended for an excellent valve operation.

Butterfly and sleeve replacement:

1. Place valve at opening position. Remove socket head screw (item 33) and indication arrow (item 35).
2. Remove seeger ring (item 30).
3. Remove pin (item 31).
4. Remove fork (item 37) from articulated joint (item 36).
5. Loosen socket head screw (item 2) and remove articulated joint (item 36) from butterfly pin (item 7).
6. Remove bolts, washers and nuts (items 10-14-15).
7. Remove support (item 28) and all the pneumatic structure.
8. Remove bolts, washers and nuts (items 13-12-11) and open upper valve body (item 3) from lower valve body (item 4).
9. Butterfly lens will have to be at opening position, squash sleeve, remove butterfly.

Assembly:

1. Insert butterfly longer shaft into sleeve hole, squash sleeve and insert shorter part.
2. Insert butterfly with sleeve into valve body seats, bolt and fit support and the pneumatic structure.

Pneumatic structure gasket replacement:

1. Place valve at opening position. Remove seeger rings (item 30 – item 24).
2. Remove pins (item 31 – item 29).
3. Remove the pneumatic structure.
4. Loosen adjustment nut (item 27).
5. Remove fork (item 37).
6. Remove adjustment nut (item 27).
7. Unscrew nuts (item 26), remove upper cover (item 16) and lower cover (item 17).
8. Remove piston (item 22) and replace 'w'-shaped large gaskets (item 23) and 'w'-shaped small gasket (item 18) located in lower cover (item 17).

Before assembling, ensure that inside of cylinder is thoroughly cleaned. When assembling, oil the whole with silicone oil, use instrument air, that is without condensate, for an efficient operation.

NB. All item numbers refer to our technical catalogue.