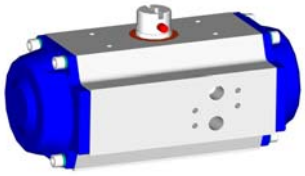
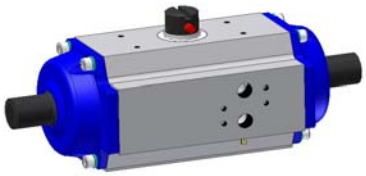
# Size 050



Standard

Optional with
limit stop adjustment



## Technical Data

| | |
|---|---|
| **Body material:** | aluminium anodization acc. DIN 17611 ( E6 ), pull out contour |
| **End caps:** | aluminium painted RAL 5002, Layer min. 60µm |
| **End cap version:** | union of Air -/ Spring End Cap |
| **End cap screws:** | material and Tensile Strength acc. A2 70, DIN 912 |
| **Weight:** | double acting: 5,9 Kg; spring return with 10 springs: 6,7 Kg |
| **Air inlet:** | G 1/4" |
| **Shaft:** | blow- out- proof, pressure- balanced, 1-piece (series 5), 2-pieces (series 6) |
| **Rotation mode:** | clock- wise => double acting and spring to close<br>anti- clock- wise => spring to open |
| **Lubrication:** | permanent |
| **Piston support:** | PTFE guiding tapes |
| **Valve flange connection:** | F07; flange acc. DIN 5211 with female square acc. DIN 3337 |
| **Solenoid valve:** | VDI/ VDE 3845 ( Namur ) |
| **Limit switches, positioners:** | VDI/ VDE 3845 ( Namur ) |
| **Position indicator:** | red plastic indikator |
| **Production:** | acc. DIN EN ISO 9001 |
| **Actuator type:** | rack and pinion |
| **Operating pressure:** | 2 bis 10 bar |
| **Tightness test:** | 1,1 x max. operating pressure |
| **Cycle times:** | $t_{open}$ = 0,8 sec.,with solenoid valve $K_v$=1,2 nominal [m³/ h],at 6 bar operating pressure<br>$t_{close}$ = 0,8 sec.,with solenoid valve $K_v$=1,2 nominal [m³/ h],at 6 bar operating pressure |
| **Rotation:** | 90° standard, other options upon request |
| **Rotation tolerance:** | 0° / -1,5° and 90° / +1,5° |
| **Limit stop adjustment:** | only Serie 6: 0° -> -4° until + 8°; 90° -> +4° until - 8°; |
| **Air Consumption:** | theoret. 1,9 Nl/ h at 1 bar (abs) per travel 0° - 90° |
| **Leakage:** | in new condition => max 2 Nl/ h at 6 bar operating pressure<br>after 500.000 cycles => max 10 Nl/ h at 6 bar operating pressure |
| **Life time:** | 1 Mio. cycles at 6 bar operating pressure, 20° ambient temperature acc. VDI/VDE 3844 |
| **Operating temperature:** | -20 bis + 80° C ( standard ) |
| **Installation position:** | any position possible |
| **Medium:** | air, other medium on request |
| **Torques:** | |

| | Air Supply Pressure/ bar | | | | | | |
|---|---|---|---|---|---|---|---|
| | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| **Theoretical figures[1] /Nm** | 89 | 133 | 177 | 222 | 266 | 310 | 364 |

**[1] min. efficiency > 90%**

**Spring torques and corresponding air torques please find in Revo catalogue, chapt. 3**

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