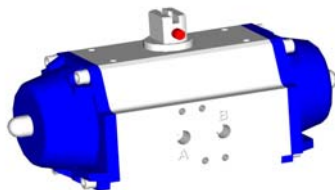




Size 001



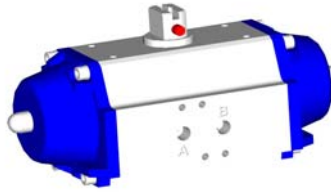
Technical Data

- Body material:** aluminium anodization acc. DIN 17611 (E6), pull out contour
- End caps:** plastic construction (injection moulding), similar RAL 5002
- End cap version:** air - End Cap
- End cap screws:** material and Tensile Strength acc. A2 70, DIN 912
- Weight:** 0,25 Kg
- Air inlet:** G 1/8"
- Shaft:** 1 - piece with standard insert DIN/ ISO 3337
- Rotation mode:** clock- wise => double acting
anti- clock- wise => double acting
- Lubrication:** permanent
- Piston support:** POM
- Valve flange connection:** F03; flange acc. DIN 5211 without centring device, with female square 9mm
- Actuator type:** rack and pinion
- Operating pressure:** 1,5 to 7 bar
- Tightness test:** 1,1 x max. operating pressure
- Cycle times:** $t_{open} < 1 \text{ sek.}$, with solenoid valve $K_V=1,2 \text{ nominal [m}^3/\text{h]}$, at 6 bar operating pressure
 $t_{close} < 1 \text{ sek.}$, with solenoid valve $K_V=1,2 \text{ nominal [m}^3/\text{h]}$, at 6 bar operating pressure
- Rotation:** 90° standard
- Rotation tolerance:** +/- 1,5° each end position
- Limit stop adjustment:** 90° -> - 8° (position "Open")
- Air Consumption:** theoret. 0,05 NI at 1 bar per cycle 0° - 90°
- Leakage:** in new condition => max 2 NI/ h at 6 bar operating pressure
after 500.000 cycles => max 10 NI/ 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
Theoretical figures ¹⁾ /Nm	2,2	3,3	4,4	5,5	6,6	7,7

¹⁾ min. efficiency > 80%

Size 002



Technical Data

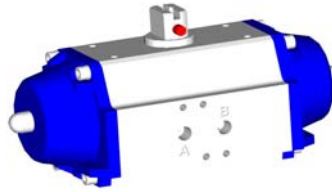
Body material:	aluminium anodization acc. DIN 17611 (E6), pull out contour
End caps:	plastic construction (injection moulding), similar RAL 5002
End cap version:	union of Air -/ Spring End Cap
End cap screws:	material and Tensile Strength acc. A2 70, DIN 912
Weight:	0,35 Kg
Air inlet:	G 1/8"
Shaft:	1 - piece with standard insert DIN/ ISO 3337
Rotation mode:	clock- wise => double acting and spring to close anti- clock- wise => double acting and spring to open
Lubrication:	permanent
Piston support:	POM
Valve flange connection:	F03 or F04; flange acc. DIN 5211 without centring device, with female square 9mm bzw. 11mm
Actuator type:	rack and pinion
Operating pressure:	1,5 to 7 bar
Tightness test:	1,1 x max. operating pressure
Cycle times:	$t_{open} < 1 \text{ sek.}$, with solenoid valve $K_V=1,2 \text{ nominal [m}^3/\text{h]}$, at 6 bar operating pressure $t_{close} < 1 \text{ sek.}$, with solenoid valve $K_V=1,2 \text{ nominal [m}^3/\text{h]}$, at 6 bar operating pressure
Rotation:	90° standard
Rotation tolerance:	+/- 1,5° each end position
Limit stop adjustment	90° -> - 8° (position "Open")
Air Consumption:	theoret. 0,15 NI at 1 bar per cycle 0° - 90°
Leakage:	in new condition => max 2 NI/ h at 6 bar operating pressure after 500.000 cycles => max 10 NI/ 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
Theoretical figures ¹⁾ /Nm	5,4	8,1	10,8	13,5	16,2	18,9

¹⁾ min. efficiency > 80%

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

Size 006



Technical Data

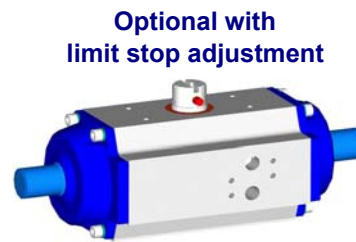
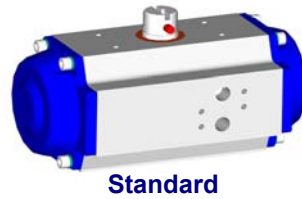
Body material:	aluminium anodization acc. DIN 17611 (E6), pull out contour
End caps:	plastic construction (injection moulding), similar RAL 5002
End cap version:	union of Air -/ Spring End Cap
End cap screws:	material and Tensile Strength acc. A2 70, DIN 912
Weight:	0,75 Kg
Air inlet:	G 1/8"
Shaft:	1 - piece with standard insert DIN/ ISO 3337
Rotation mode:	clock- wise => double acting and spring to close anti- clock- wise => double acting and spring to open
Lubrication:	permanent
Piston support:	POM
Valve flange connection:	F03/ F05 or F04; flange acc. DIN 5211 without centring device, with female square 14mm resp. 11mm
Limit switches, positioners:	VDI/ VDE 3845 (Namur)
Actuator type:	rack and pinion
Operating pressure:	1,5 bis 7 bar
Tightness test:	1,1 x max. operating pressure
Cycle times:	$t_{open} < 1 \text{ sek.}$, with solenoid valve $K_V=1,2 \text{ nominal [m}^3/\text{h]}$, at 6 bar operating pressure $t_{close} < 1 \text{ sek.}$, with solenoid valve $K_V=1,2 \text{ nominal [m}^3/\text{h]}$, at 6 bar operating pressure
Rotation:	90° standard
Rotation tolerance:	+/- 1,5° each end position
Limit stop adjustment:	90° -> - 8° (position "Open")
Air Consumption:	theoret. 0,3 NI at 1 bar per cycle 0° - 90°
Leakage:	in new condition => max 2 NI/ h at 6 bar operating pressure after 500.000 cycles => max 10 NI/ 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
Theoretical figures ¹⁾ /Nm	12,4	18,6	24,8	31	37,2	43,4

¹⁾ min. efficiency > 80%

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

Size 012



Technical Data

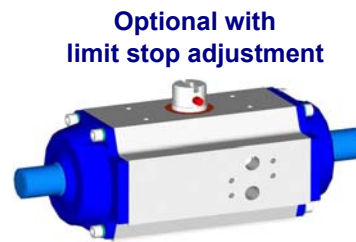
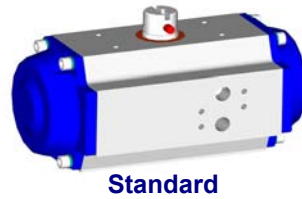
Body material:	aluminium anodization acc. DIN 17611 (E6), pull out contour
End caps:	aluminium painted RAL 5002, Layer min. 60µm
End cap version:	union of Air -/ Spring End Cap
End cap screws:	material and Tensile Strength acc. A2 70, DIN 912
Weight:	double acting: 2,2 Kg; spring return with 10 springs: 2,3 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 anti- clock- wise => spring to open
Lubrication:	permanent
Piston support:	PTFE guiding tapes
Valve flange connection:	F05; 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:	$t_{open} < 1,0$ sec., with solenoid valve $K_V=1,2$ nominal [m ³ / h], at 6 bar operating pressure $t_{close} < 1,0$ sec., with solenoid valve $K_V=1,2$ nominal [m ³ / h], at 6 bar operating pressure
Rotation:	90° standard, other options on request
Rotation tolerance:	+/- 1,5° each end position
Limit stop adjustment:	only Serie 6: 0° -> -4° until + 8°; 90° -> +4° until - 8°;
Air Consumption:	theoret. 0,53 NI/ h at 1 bar per travel 0° - 90°
Leakage:	in new condition => max 2 NI/ h at 6 bar operating pressure after 500.000 cycles => max 10 NI/ 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:	

Theoretical figures ¹⁾ /Nm	Air Supply Pressure/ bar						
	2	3	4	5	6	7	8
	24,7	37	49,3	61,6	74	86,3	98,6

¹⁾ min. efficiency > 90%

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

Size 025



Technical Data

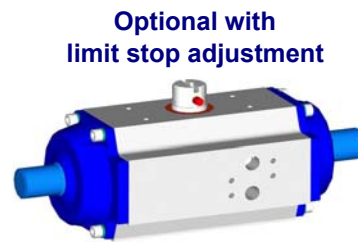
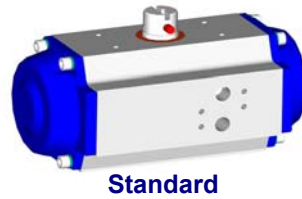
Body material:	aluminium anodization acc. DIN 17611 (E6), pull out contour
End caps:	aluminium painted RAL 5002, Layer min. 60µm
End cap version:	union of Air -/ Spring End Cap
End cap screws:	material and Tensile Strength acc. A2 70, DIN 912
Weight:	double acting: 3,5 Kg; spring return with 10 springs: 3,8 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 anti- clock- wise => spring to open
Lubrication:	permanent
Piston support:	PTFE guiding tapes
Valve flange connection:	F05; 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:	$t_{open} < 1,0$ sec., with solenoid valve $K_V=1,2$ nominal [m ³ / h], at 6 bar operating pressure $t_{close} < 1,0$ sec., with solenoid valve $K_V=1,2$ nominal [m ³ / h], at 6 bar operating pressure
Rotation:	90° standard, other options upon request
Rotation tolerance:	+/- 1,5° each end position
Limit stop adjustment:	only Serie 6: 0° -> -4° until + 8°; 90° -> +4° until - 8°;
Air Consumption:	theoret. 1,02 NI/ h at 1 bar per travel 0° - 90°
Leakage:	in new condition => max 2 NI/ h at 6 bar operating pressure after 500.000 cycles => max 10 NI/ 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:	

Theoretical figures ¹⁾ /Nm	Air Supply Pressure/ bar						
	2	3	4	5	6	7	8
	47	72	95	119	143	167	191

¹⁾ min. efficiency > 90%

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

Size 050



Technical Data

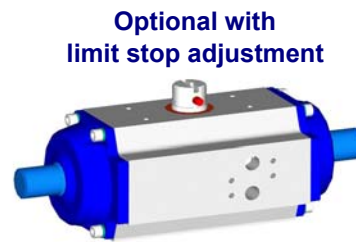
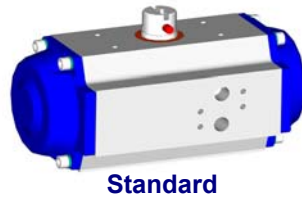
Body material:	aluminium anodization acc. DIN 17611 (E6), pull out contour
End caps:	aluminium painted RAL 5002, Layer min. 60µm
End cap version:	union of Air -/ Spring End Cap
End cap screws:	material and Tensile Strength acc. A2 70, DIN 912
Weight:	double acting: 5,9 Kg; spring return with 10 springs: 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 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:	$t_{open} = 0,8 \text{ sec.}$, with solenoid valve $K_V=1,2 \text{ nominal [m}^3/\text{h]}$, at 6 bar operating pressure $t_{close} = 0,8 \text{ sec.}$, with solenoid valve $K_V=1,2 \text{ nominal [m}^3/\text{h]}$, at 6 bar operating pressure
Rotation:	90° standard, other options upon request
Rotation tolerance:	+/- 1,5° each end position
Limit stop adjustment:	only Serie 6: 0° -> -4° until + 8°; 90° -> +4° until - 8°;
Air Consumption:	theoret. 1,9 NI/ h at 1 bar per travel 0° - 90°
Leakage:	in new condition => max 2 NI/ h at 6 bar operating pressure after 500.000 cycles => max 10 NI/ 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:	

Theoretical figures ¹⁾ /Nm	Air Supply Pressure/ bar						
	2	3	4	5	6	7	8
	89	133	177	222	266	310	364

¹⁾ min. efficiency > 90%

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

Size 090



Technical Data

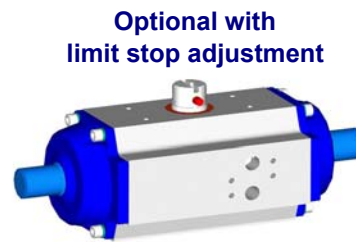
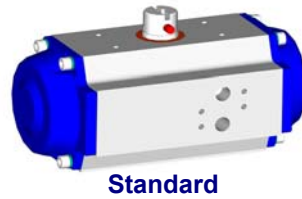
Body material:	aluminium anodization acc. DIN 17611 (E6), pull out contour
End caps:	aluminium painted RAL 5002, Layer min. 60µm
End cap version:	union of Air -/ Spring End Cap
End cap screws:	material and Tensile Strength acc. A2 70, DIN 912
Weight:	double acting: 10,4 Kg; spring return with 10 springs: 12 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 anti- clock- wise => spring to open
Lubrication:	permanent
Piston support:	PTFE guiding tapes
Valve flange connection:	F07/ F10; 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:	$t_{open} = 1,0 \text{ sec.}$, with solenoid valve $K_v=1,2 \text{ nominal [m}^3/\text{h]}$, at 6 bar operating pressure $t_{close} = 1,0 \text{ sec.}$, with solenoid valve $K_v=1,2 \text{ nominal [m}^3/\text{h]}$, at 6 bar operating pressure
Rotation:	90° standard, other options upon request
Rotation tolerance:	+/- 1,5° each end position
Limit stop adjustment:	only Serie 6: 0° -> -4° until + 8°; 90° -> +4° until - 8°;
Air Consumption:	theoret. 3,6 NI/ h at 1 bar per travel 0° - 90°
Leakage:	in new condition => max 2 NI/ h at 6 bar operating pressure after 500.000 cycles => max 10 NI/ 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:	

Theoretical figures ¹⁾ /Nm	Air Supply Pressure/ bar						
	2	3	4	5	6	7	8
	169	253	337	421	505	589	673

¹⁾ min. efficiency > 90%

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

Size 130



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: 19 Kg; spring return with 10 springs: 21 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 anti- clock- wise => spring to open
Lubrication:	permanent
Piston support:	PTFE guiding tapes
Valve flange connection:	F10/ F12; 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:	$t_{open} = 0,8 \text{ sec.}$, with solenoid valve $K_v=1,2 \text{ nominal [m}^3/\text{h]}$, at 6 bar operating pressure $t_{close} = 0,8 \text{ sec.}$, with solenoid valve $K_v=1,2 \text{ nominal [m}^3/\text{h]}$, at 6 bar operating pressure
Rotation:	90° standard, other options upon request
Rotation tolerance:	+/- 1,5° each end position
Limit stop adjustment:	only Serie 6: 0° -> -4° until + 8°; 90° -> +4° until - 8°;
Air Consumption:	theoret. 5,49 NI/ h at 1 bar per travel 0° - 90°
Leakage:	in new condition => max 2 NI/ h at 6 bar operating pressure after 500.000 cycles => max 10 NI/ 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:	

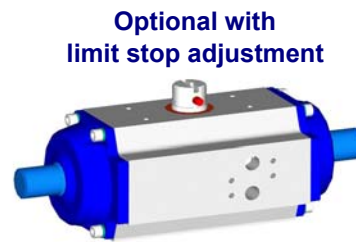
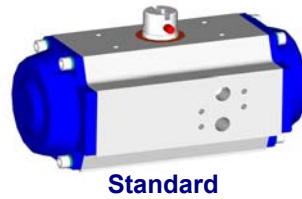
Air Supply Pressure/ bar

	2	3	4	5	6	7	8
Theoretical figures ¹⁾ /Nm	256	385	513	642	770	898	1026

¹⁾ min. efficiency > 90%

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

Size 180



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: 22,5 Kg; spring return with 10 springs: 25,3 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 anti- clock- wise => spring to open
Lubrication:	permanent
Piston support:	PTFE guiding tapes
Valve flange connection:	F12; 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:	$t_{open} = 1,2 \text{ sec.}$, with solenoid valve $K_V=1,2 \text{ nominal [m}^3/\text{h]}$, at 6 bar operating pressure $t_{close} = 1,2 \text{ sec.}$, with solenoid valve $K_V=1,2 \text{ nominal [m}^3/\text{h]}$, at 6 bar operating pressure
Rotation:	90° standard, other options upon request
Rotation tolerance:	+/- 1,5° each end position
Limit stop adjustment:	only Serie 6: 0° -> -4° until + 8°; 90° -> +4° until - 8°;
Air Consumption:	theoret. 7,21 NI/ h at 1 bar per travel 0° - 90°
Leakage:	in new condition => max 2 NI/ h at 6 bar operating pressure after 500.000 cycles => max 10 NI/ 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:	

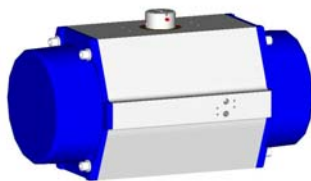
Theoretical figures ¹⁾ /Nm	Air Supply Pressure/ bar						
	2	3	4	5	6	7	8
	338	506	675	843	1012	1181	1350

¹⁾ min. efficiency > 90%

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



Size 205



Technical Data

- Body material:** aluminium anodization acc. DIN 17611 (E6), pull out contour (extrusion)
- End caps:** aluminium painted RAL 5002, Layer min. 60µm
- End cap version:** general Spring End Cap
- End cap screws:** material and Tensile Strength acc. A2 70, DIN 912
- Weight:** double acting: 30 Kg; spring return with 10 springs: 35 Kg
- Air inlet:** G 1/4"
- Shaft:** blow- out- proof, pressure- balanced
- Rotation mode:** clock- wise => double acting and spring to close
anti- clock- wise => spring to open
- Lubrication:** permanent
- Piston support:** PTFE guiding tapes
- Valve flange connection:** F14; 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:** changeable indicator adapter by 45° steps (POM)
- 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:** $t_{open} = 1,2 \text{ sec.}$, with solenoid valve $K_V=1,2 \text{ nominal [m}^3/\text{h]}$, at 6 bar operating pressure
 $t_{close} = 1,2 \text{ sec.}$, with solenoid valve $K_V=1,2 \text{ nominal [m}^3/\text{h]}$, at 6 bar operating pressure
- Rotation:** 90° standard, other options upon request
- Rotation tolerance:** +/- 1,5° each end position
- Air Consumption:** theoret. 9 NI/ h at 1 bar per travel 0° - 90°
- Leakage:** in new condition => max 2 NI/ h at 6 bar operating pressure
after 500.000 cycles => max 10 NI/ 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, water (other medium on request)
- Torques:**

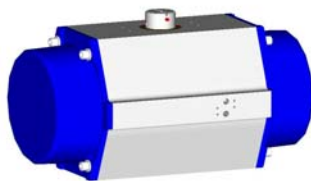
	Air Supply Pressure/ bar						
	2	3	4	5	6	7	8
Theoretical figures ¹⁾ /Nm	506	758	1011	1264	1517	1770	2023

¹⁾ min. efficiency > 90%

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



Size 380



Technical Data

- Body material:** aluminium anodization acc. DIN 17611 (E6), pull out contour (extrusion)
- End caps:** aluminium painted RAL 5002, Layer min. 60µm
- End cap version:** general Spring End Cap
- End cap screws:** material and Tensile Strength acc. A2 70, DIN 912
- Weight:** double acting: 36 Kg; spring return with 10 springs: 41,6 Kg
- Air inlet:** G 1/4"
- Shaft:** blow- out- proof, pressure- balanced
- Rotation mode:** clock- wise => double acting and spring to close
anti- clock- wise => spring to open
- Lubrication:** permanent
- Piston support:** PTFE guiding tapes
- Valve flange connection:** F14 flange acc. DIN 5211 with female square acc. DIN 3337, other options upon request
- Solenoid valve:** VDI/ VDE 3845 (Namur)
- Limit switches, positioners:** VDI/ VDE 3845 (Namur)
- Position indicator:** changeable indicator adapter by 45° steps (POM)
- 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:** $t_{open} = 2,1$ sec., with solenoid valve $K_v=1,2$ nominal [m³/ h], at 6 bar operating pressure
 $t_{close} = 2,1$ 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:** +/- 1,5° each end position
- Air Consumption:** theoret. 13 NI/ h at 1 bar per cycle 0° - 90°
- Leakage:** in new condition => max 2 NI/ h at 6 bar operating pressure
after 500.000 cycles => max 10 NI/ 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, water (other medium on request)
- Torques:**

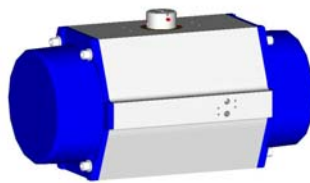
	Air Supply Pressure/ bar							
	2	3	4	5	6	7	8	
Theoretical figures ¹⁾ /Nm	758	1138	1517	1896	2275	2654	3033	

¹⁾ min. efficiency > 90%

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



Size 630



Technical Data

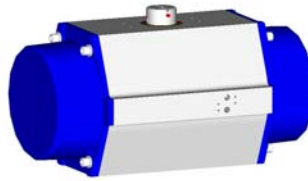
- Body material:** shell mold
- End caps:** aluminium painted RAL 5002, Layer min. 60µm
- End cap version:** air - or Spring End Cap, (depending on actuator function)
- End cap screws:** material and Tensile Strength acc. A2 70, DIN 912
- Weight:** double acting: 45 Kg; spring return with 10 springs: 54 Kg
- Air inlet:** G 1/4"
- Shaft:** blow- out- proof, pressure- balanced
- Rotation mode:** clock- wise => double acting and spring to close
anti- clock- wise => spring to open
- Lubrication:** permanent
- Piston support:** PTFE guiding tapes
- Valve flange connection:** F16; 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:** changeable indicator adapter by 45° steps (POM)
- 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:** $t_{open} = 3,2 \text{ sec.}$, with solenoid valve $K_V=1,2 \text{ nominal [m}^3/\text{h]}$, at 6 bar operating pressure
 $t_{close} = 3,2 \text{ sec.}$, with solenoid valve $K_V=1,2 \text{ nominal [m}^3/\text{h]}$, at 6 bar operating pressure
- Rotation:** 90° standard, other options upon request
- Rotation tolerance:** +/- 1,5° each end position
- Air Consumption:** theoret. 22 NI/ h at 1 bar per travel 0° - 90°
- Leakage:** in new condition => max 2 NI/ h at 6 bar operating pressure
after 500.000 cycles => max 10 NI/ 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, water (other medium on request)
- Torques:**

	Air Supply Pressure/ bar						
	2	3	4	5	6	7	8
Theoretical figures ¹⁾ /Nm	1264	1896	2528	3159	3791	4423	5055

¹⁾ min. efficiency > 90%

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

Size 960



Technical Data

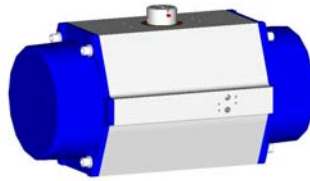
Body material:	shell mold
End caps:	aluminium painted RAL 5002, Layer min. 60µm
End cap version:	air - or Spring End Cap, (depending on actuator function)
End cap screws:	material and Tensile Strength acc. A2 70, DIN 912
Weight:	double acting: 77,5 Kg; spring return with 10 springs: 89 Kg
Air inlet:	G 1/4"
Shaft:	blow- out- proof, pressure- balanced, 1 - piece
Rotation mode:	clock- wise => double acting and spring to close anti- clock- wise => spring to open
Lubrication:	permanent
Piston support:	PTFE guiding tapes
Valve flange connection:	F16/ F25; 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:	changeable indicator adapter by 45° steps (POM)
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:	$t_{open} = 4 \text{ sec.}$, with solenoid valve $K_V=1,2 \text{ nominal [m}^3/\text{h]}$, at 6 bar operating pressure $t_{close} = 4 \text{ sec.}$, with solenoid valve $K_V=1,2 \text{ nominal [m}^3/\text{h]}$, at 6 bar operating pressure
Rotation:	90° standard, other options upon request
Rotation tolerance:	+/- 1,5° each end position
Air Consumption:	theoret. 32,5 NI/ h at 1 bar per travel 0° - 90°
Leakage:	in new condition => max 2 NI/ h at 6 bar operating pressure after 500.000 cycles => max 10 NI/ 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, water (other medium on request)
Torques:	

	Air Supply Pressure/ bar						
	2	3	4	5	6	7	8
Theoretical figures ¹⁾ /Nm	1919	2879	3839	4799	5758	6718	7677

¹⁾ min. efficiency > 90%

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

Size H15



Technical Data

Body material:	shell mold
End caps:	aluminium painted RAL 5002, Layer min. 60µm
End cap version:	air - or Spring End Cap, (depending on actuator function)
End cap screws:	material and Tensile Strength acc. A2 70, DIN 912
Weight:	double acting: 92 Kg; spring return with 10 springs: 106 Kg
Air inlet:	G 1/4"
Shaft:	blow- out- proof, pressure- balanced
Rotation mode:	clock- wise => double acting and spring to close anti- clock- wise => spring to open
Lubrication:	permanent
Piston support:	PTFE guiding tapes
Valve flange connection:	F25/ F30; 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:	changeable indicator adapter by 45° steps (POM)
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:	$t_{open} = 6,5 \text{ sec.}$, with solenoid valve $K_v=1,2 \text{ nominal [m}^3/\text{h]}$, at 6 bar operating pressure $t_{close} = 6,5 \text{ sec.}$, with solenoid valve $K_v=1,2 \text{ nominal [m}^3/\text{h]}$, at 6 bar operating pressure
Rotation:	90° standard, other options upon request
Rotation tolerance:	+/- 1,5° each end position
Air Consumption:	theoret. 52 NI/ h at 1 bar per travel 0° - 90°
Leakage:	in new condition => max 2 NI/ h at 6 bar operating pressure after 500.000 cycles => max 10 NI/ 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, water (other medium on request)
Torques:	

	Air Supply Pressure/ bar						
	2	3	4	5	6	7	8
Theoretical figures ¹⁾ /Nm	2938	4407	5876	7345	8814	10283	11752

¹⁾ min. efficiency > 90%

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