

MIL 95-96 - Pneumatic Double acting & Spring return Quarter Turn actuators

Sizes: 9 different sizes for 95 series
7 different sizes for 96 series

Travel: 0° - 90°

Supply Pressure: 4 - 10 bar



Application

- Designed and used for smooth control and on-off applications.
- Excellent performance in high cycle rate.
- Available in two options - Spring End Torque ranging from 85 Nm to 8000 Nm and Double acting with output torque of up to 43,000 Nm
- Designed to operate in a minimum supply pressure of 4 bar and Maximum supply pressure of 10 bar
- Compact design and best suited for Paper & Pulp, Mining, Petrochemical and Oil & Gas industry.
- Best suited for operating Segmented ball, full ball, butterfly and eccentric plug valves

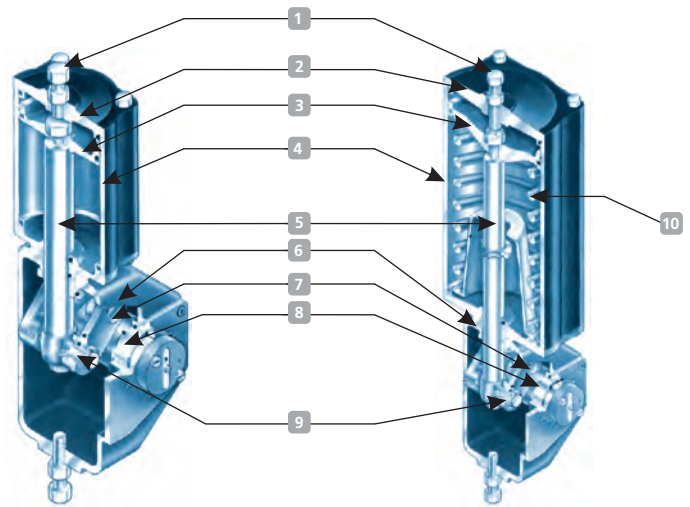
More information:
www.ksb-mil.com

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- 1 Housing is of rugged ductile iron and cylinders are of Carbon Steel.
- 2 Adjustable Travel stops are standard for both open and close position
- 3 No lubrication required
- 4 Optional Manual override (Hand wheel) available.
- 5 Standard temp range Temperature Range -20°C to 90°C
- 6 Valve Mounting - ISO 5211
- 7 Able to accommodate any type of accessories including positioner, limit switches, position indicators, Solenoid valves, transducers, relays, boosters and volume tanks etc.



MIL 95 Series Actuator
Double Acting

MIL 96 Series Actuator
Spring Return

- | | | | |
|---------------------|-----------|-----------|------------|
| 1 Position adjuster | 2 Cover | 3 Piston | 4 Cylinder |
| 5 Piston stem | 6 Housing | 7 Bearing | 8 Lever |
| 9 Bearing arm | 10 Spring | | |

Standard Sizes / Spring / Supply

95 Series Double acting

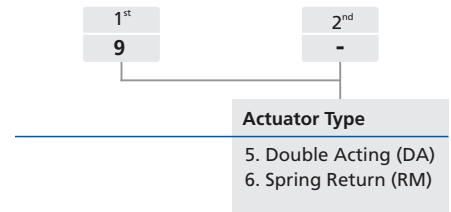
Actuator	Piston dia (mm)	Travel volume (cubic m)	Shaft diameter (mm)	Nominal torque with max supply* pressure (Nm)
DA2	100	0.60	35	240
DA3	125	1.10	40	460
DA4	160	2.30	55	950
DA5	200	4.30	55	1800
DA6	200	5.40	70	2700
DA7	250	10.50	95	5300
DA8	315	21.00	105	11000
DA9	400	43.00	120	22000
DA10	500	84.00	135	43000

*Maximum supply considered for calculating the Nominal torque is 6.5 bar

96 Series Spring Return

Actuator	Piston dia (mm)	Travel volume (cubic m)	Shaft diameter (mm)	Nominal torque with max supply* pressure (Nm)	Spring torque at 90 Deg (Nm)
RM1	125	0.90	35	70	130
RM2	160	1.60	40	150	270
RM3	200	3.60	55	300	540
RM4	250	6.70	55	600	1000
RM5	315	13.00	70	1200	2000
RM6	400	27.00	95	2400	4000
RM7	500	53.00	105	4800	8000

Model Decodification



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