

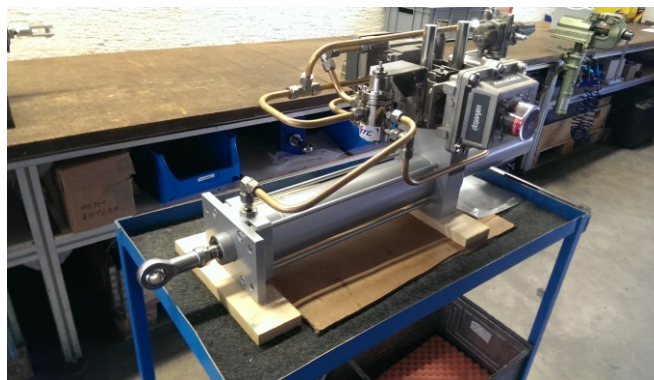
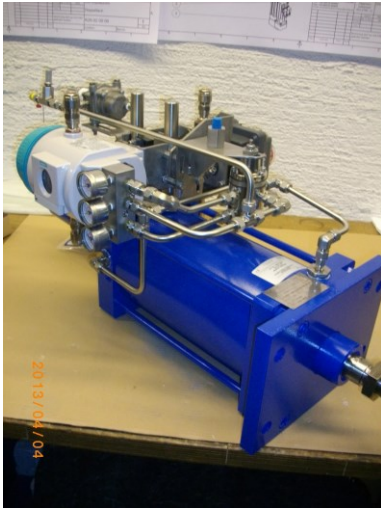
Operation:

- *Single/Double acting*
- *Single/Double acting – Spring return*
- *Push-down-to-open OR close*

Replacement for Gulde / Fisher-Gulde Piston Actuators of all Manufacturing Years.

Integrated motion feedback:

- *Highest control accuracy on all travels*
- *Environmental protection*
- *No positioner shift*



Design with lowest piston friction and tight piston at pressures up to 10 barg (150 psig) allows highest accuracy independent from the control requirements.

Available Options:

- *Positioner*
- *Limit switches or 4-20 mA continuous signal*
- *Hook-Up's to satisfy travel time and safety position requirements*
- *Manual Actuator*
- *etc.*

**Advantages:**

- *Rugged construction*
- *Modular setup*
- *Highest forces*
- *Highest flexibility*
- *Longer service life*

Several adaptations:**1) On linear travel applications:**

- *With X-adaption (Offset in the X- and Y-Axis)*
- *With O-adaption (Offset in the X-Axis)*
- *Customized adaption*

2) On globe valve applications:

- *With posts*
- *With yoke*
- *Customized adaption*



Size No. of Stages	50	80	100	150	200	300	400
	1	1	1	1	1	1	1
2,0 barg / 30 psig	342	883	1.439	3.393	6.142	13.886	24.741
2,5 barg / 37 psig	428	1.103	1.799	4.242	7.678	17.358	30.926
3,0 barg / 44 psig	513	1.324	2.159	5.090	9.213	20.829	37.111
3,5 barg / 51 psig	599	1.544	2.518	5.938	10.749	24.301	43.296
4,0 barg / 58 psig	684	1.765	2.878	6.786	12.284	27.772	49.481
4,5 barg / 65 psig	770	1.985	3.238	7.635	13.820	31.244	55.666
5,0 barg / 73 psig	855	2.206	3.597	8.483	15.355	34.715	61.851
5,5 barg / 80 psig	940	2.426	3.957	9.331	16.890	38.187	68.036
6,0 barg / 87 psig	1.026	2.647	4.317	10.179	18.426	41.658	74.221
6,5 barg / 95 psig	1.111	2.868	4.676	11.027	19.961	45.129	80.406
7,0 barg / 102 psig	1.197	3.088	5.036	11.876	21.497	48.601	86.591
7,5 barg / 109 psig	1.282	3.309	5.396	12.724	23.032	52.072	92.776
8,0 barg / 116 psig	1.368	3.529	5.755	13.572	24.568	55.544	98.961
8,5 barg / 124 psig	1.453	3.750	6.115	14.420	26.103	59.015	105.146
9,0 barg / 131 psig	1.539	3.970	6.475	15.269	27.639	62.487	111.331
9,5 barg / 138 psig	1.624	4.191	6.834	16.117	29.174	65.958	117.516
10,0 barg / 145 psig	MAX	4.411	7.194	16.965	30.710	69.430	123.701
Smaller travels or intermediate travels are adjustable							
Travel [mm] (Inches = [mm] ./ 25,4)	86,00	86,00	86,00	86,00	86,00	86,00	86,00
	136,00	136,00	136,00	136,00	136,00	136,00	136,00
		186,00	186,00	186,00	186,00	186,00	186,00
		236,00	236,00	236,00	236,00	236,00	236,00
		286,00	286,00	286,00	286,00	286,00	286,00
		336,00	336,00	336,00	336,00	336,00	336,00
		386,00	386,00	386,00	386,00	386,00	386,00
	486,00	486,00	486,00	486,00	486,00	486,00	

*Power depending on the air supply pressure (in Newton – Kg by division with 9,81 – Pounds by division with 4,45)
On multistage piston actuators the force is multiplied by the number of stages. A maximum number of 5 stages is available today.
Spring forces has to be added or subtracted.*