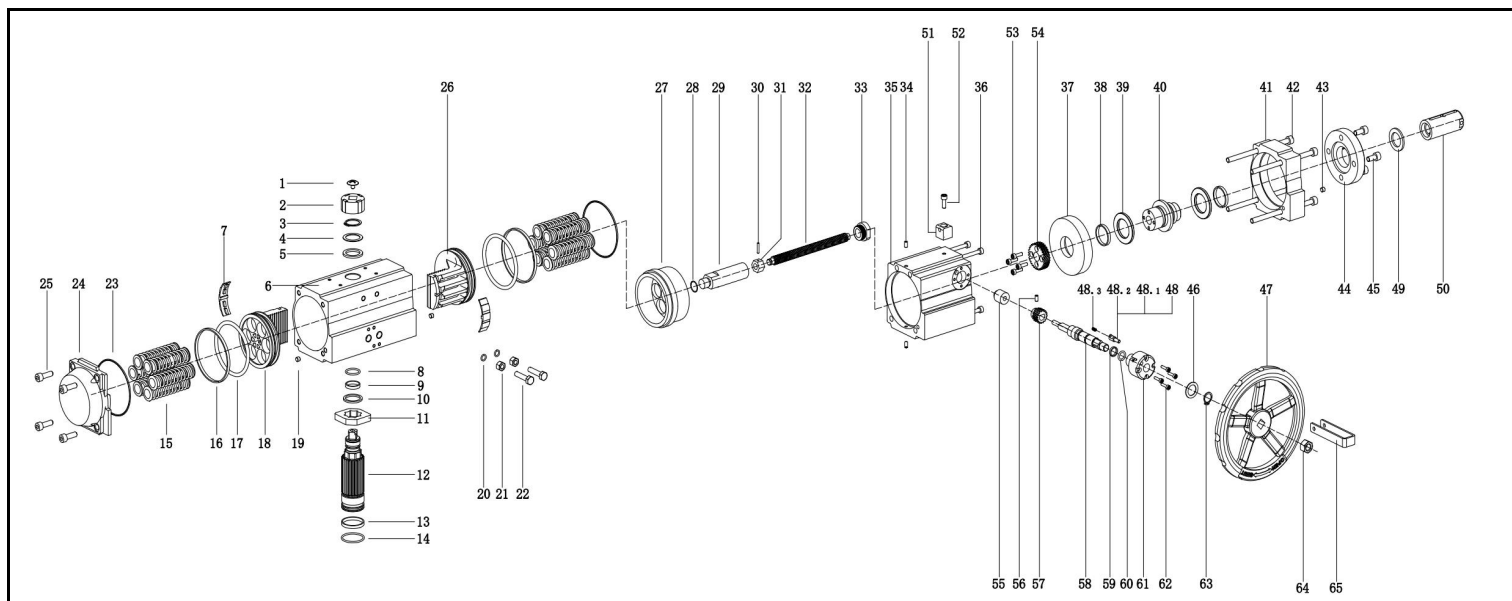




Parts and Material

No.	Description	Qty								Qty	Material
1	Indicator screw	1	304+ABS	24	End-cap	1	Die-casting Alu.	47	Hand wheel	1	Casting steel
2	Top Indicator	1	ABS	25	End-cap holding screw	4	Stainless steel	48	Index pin	1	Carbon steel
3	Circlip	1	Stainless steel	26	Right piston	1	Casting steel	48.1	Handle (Index pin)	1	Extruded Alu.
4	Thrust washer	1	Stainless steel	27	Inner cap	1	Extruded Alu.	48.2	Handle cover	1	Rubber
5	Outside washer	1	POM	28	O-ring(Inner cap	1	NBR	48.3	Spring of the pin	1	304
6	Body	1	Extruded Alu.	29	Clutch body	1	45# Carbon steel	49	Buffer pad	1	Nylon 66
7	Guide	2	Nylon66+30%gf	30	Straight pin	1	304	50	Window sleeve	1	Extruded Alu.
8	O-ring (Top)	1	NBR	31	Head of guide screw	1	304	51	Lock seat	1	Extruded Alu.
9	Bearing(Top)	1	POM	32	Guide screw	1	45# Carbon steel	52	Lock seat screw	1	304
10	Inside washer	1	POM	33	Clutch cap	1	45# Carbon steel	53	Mounting screw	4	304
11	Cam	1	Alloy steel (45)	34	Inner cap holding screw	2	304	54	Big helical gear	1	45# carbon steel
12	Pinion	1	Alloy steel (20)	35	Sub body	1	Extruded Alu.	55	Support sleeve	1	Nylon 66
13	Bearing(Bottom)	1	POM	36	Sub body holding screw	4	304	56	Tightening screw	1	304
14	O-ring (Bottom)	1	NBR/LNBR/Viton	37	Inner limit cap	1	Extruded Alu.	57	Small helical gear	1	45# carbon steel
15	Spring	0-12	spring steel	38	Support ring	2	POM	58	Hand wheel shaft	1	45# carbon steel
16	Bearing(piston)	2	POM	39	Thrust bearing	2	304	59	Support ring of shaft	1	POM
17	O-ring (piston)	2	NBR/LNBR/Viton	40	Guide screw sleeve	1	20CrMnTi	60	"O" ring of shaft	1	NBR/LNBR/Viton
18	Left piston	1	Die-casting Alu.	41	External cap	1	Extruded Alu.	61	Shaft locating collar	1	Extruded Alu.
19	Plug	2	NBR/LNBR/Viton	42	Mounting screw (External cap)	4	304	62	Mounting screw	4	304
20	O-ring (adjust)	2	NBR/LNBR/Viton	43	Breathing silencer	1	copper	63	Spring ring	1	304
21	Nut (adjust)	2	Stainless steel	44	External limit cap	1	Extruded Alu.	64	Tighten nut	1	304
22	Stop screw	2	Stainless steel	45	Mounting screw (External limit cap)	4	304	65	Lock ring	1	A3 carbon steel
23	O-ring(end-cap)	2	NBR/LNBR/Viton	46	Hand wheel buffer pad	1	Nylon 66				

Flow Line Valve and Controls, LLC