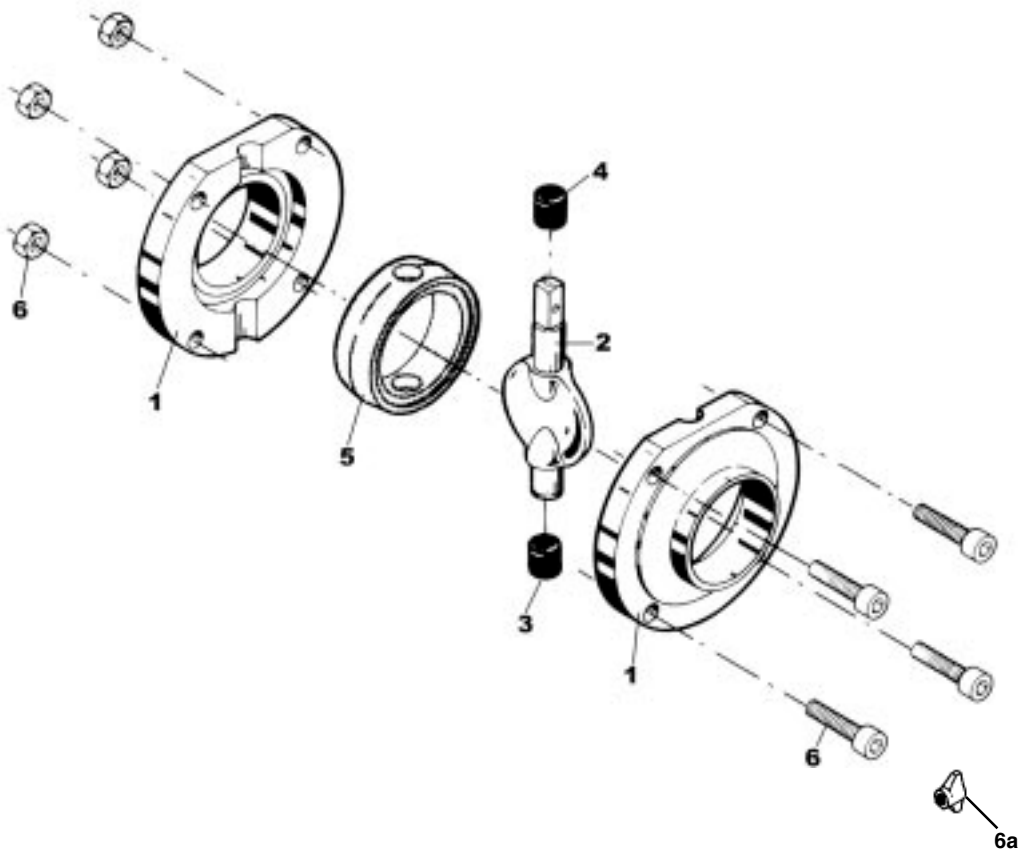


**Alfa Laval**

**Butterfly Valve  
LKB**



# Butterfly Valve LKB

**AISI 304 and 316 for INCH**

Pos.	Qty.	Description Disc Connection	1" Part No. 8 mm	1.5" Part No. 8 mm	2" Part No. 8 mm	2.5" Part No. 8 mm	3" Part No. 10 mm	4" Part No. 12 mm	6" Part No. 15 mm
1	2	Valve body half (AISI 304) .... (Period 8103 - )	9611-44-365-0	9611-44-322-0	9611-44-323-0	9611-44-324-0	9611-44-307-0	9611-41-325-0	9611-41-367-0
1	2	Valve body half (AISI 316L) .. (Period 8103 - )	9611-44-365-1	9611-44-322-1	9611-44-323-1	9611-44-324-1	9611-44-307-1	9611-41-325-1	9611-41-367-1
2	1	Disc (AISI 316L) .....	9611-41-368-1	9611-41-169-1	9611-41-177-1	9611-41-185-1	9611-41-193-1	N/A	9611-41-3701
	1	Disc, 12 (AISI 316L) .....	N/A	N/A	N/A	N/A	N/A	9612-0463-02	N/A
		(Period 8906 - )							
3	<input type="checkbox"/>	Bush .....	9611-41-181-0	9611-41-173-0	9611-41-181-0	9611-41-189-0	9611-41-197-0	9611-41-206-0	9611-41-379-0
4	<input type="checkbox"/>	Bush .....	9611-41-376-0	9611-41-173-0	9611-41-181-0	9611-41-189-0	9611-41-197-0	9611-41-205-0	9611-41-379-0
5	<input type="checkbox"/>	Seal ring, EPDM .....	9611-41-413-0	9611-41-409-0	9611-41-410-0	9611-41-411-0	9611-41-406-0	9611-41-412-0	9611-41-415-0
	1	Seal ring, SILICONE .....	9611-41-372-0	9611-41-174-0	9611-41-182-0	9611-41-190-0	9611-41-198-0	9611-41-207-0	9611-41-374-0
	1	Seal ring, FPM .....	9611-41-413-3	9611-41-409-3	9611-41-410-3	9611-41-411-3	9611-41-406-3	9611-41-412-3	9611-41-415-3
	1	Seal ring, HNBR .....	9611-41-413-4	9611-41-409-4	9611-41-410-4	9611-41-411-4	9611-41-406-4	9611-41-412-4	9611-41-415-4
	1	Seal ring, PFA .....	N/A	9612-90-050-1	9612-90-060-1	9612-90-070-1	9612-90-080-1	9612-90-090-1	N/A
6	1	Set screw M6 + Nut M6 .....	9611-41-734-0	9611-41-734-0	N/A	N/A	N/A	N/A	N/A
	1	Set screw M8 + Nut M8 .....	N/A	N/A	9611-41-735-0	9611-41-735-0	9611-41-736-0		
	1	Set screw M10 + Nut M10 .....	N/A	N/A	N/A	N/A	N/A	9611-41-737-0	N/A
	1	Set screw M15 + Nut M15 .....	N/A	N/A	N/A	N/A	N/A	N/A	9611-41-7380
6a	1	Wing nut kit .....	9611-41-6900	9611-41-6900	9611-41-6901	9611-41-69-01	9611-41-6902	9611-41-6903	9611-41-6904
<input type="checkbox"/>	1	<b>Service kit, EPDM .....</b>	<b>9611-92-3028</b>	<b>9611-92-3029</b>	<b>9611-92-3030</b>	<b>9611-92-3031</b>	<b>9611-92-3032</b>	<b>9611-92-3033</b>	<b>9611-92-3046</b>
<input type="checkbox"/>	1	<b>Service kit, SILICONE .....</b>	<b>9611-92-3034</b>	<b>9611-92-3035</b>	<b>9611-92-3036</b>	<b>9611-92-3037</b>	<b>9611-92-3038</b>	<b>9611-92-3039</b>	<b>9611-92-3047</b>
<input type="checkbox"/>	1	<b>Service kit, FPM .....</b>	<b>9611-92-3040</b>	<b>9611-92-3041</b>	<b>9611-92-3042</b>	<b>9611-92-3043</b>	<b>9611-92-3044</b>	<b>9611-92-3045</b>	<b>9611-92-3048</b>
<input type="checkbox"/>	1	<b>Service kit, HNBR .....</b>	<b>9611-92-3160</b>	<b>9611-92-3161</b>	<b>9611-92-3162</b>	<b>9611-92-3163</b>	<b>881-42603</b>	<b>881-42604</b>	<b>881-42605</b>
<input type="checkbox"/>	1	<b>Service kit, PFA .....</b>	<b>N/A</b>	<b>9611-92-3183</b>	<b>9611-92-3184</b>	<b>9611-92-3185</b>	<b>9611-92-3186</b>	<b>9611-92-3187</b>	<b>N/A</b>

Parts marked with  are included in the service kits.

**Note:** Disc connection 10 mm for 4" is not available anymore, please rebuild the air-actuator and/or handle to disc connection 12 mm.

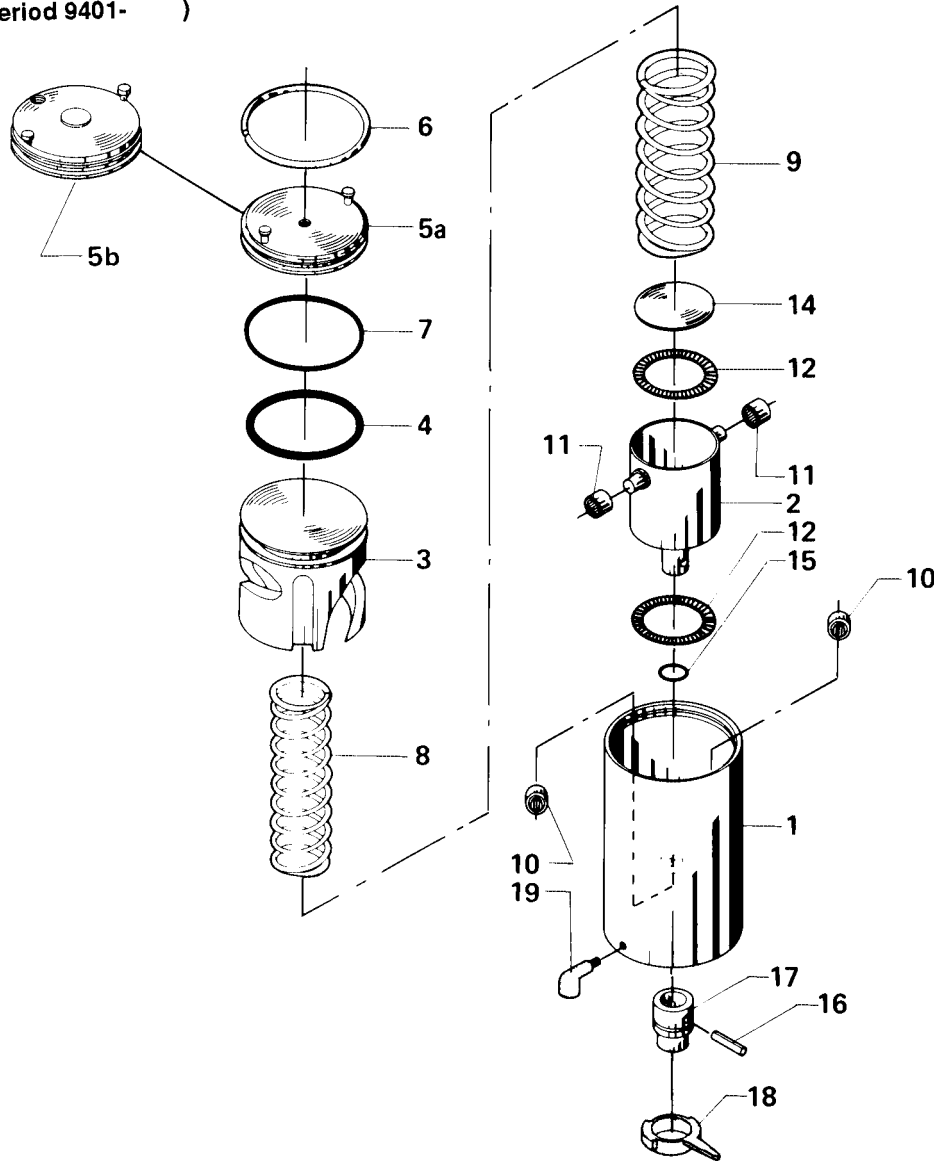
**Recommended Spare Parts: Service kit**



**CSI**

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Mark III  
(Period 9401- )



## Actuator for Butterfly Valve LKLA ø85 (NC-NO)

Pos.	Qty.	Description Disc Connection	1" - 2.5"	3"	4"	1" - 2.5"	3"	4"
			NC Part No. 8 mm	NC Part No. 10 mm	NC Part No. 12 mm	NO Part No. 8 mm	NO Part No. 10 mm	NO Part No. 12 mm
	1	Actuator, complete .....	9611-41-630-1	9611-41-630-2	9611-41-630-6	9611-41-630-4	9611-41-630-5	9611-41-630-7
1	1	Air cylinder .....	9611-41-758-0	9611-41-758-0	9611-41-758-0	9611-41-758-0	9611-41-758-0	9611-41-758-0
2	1	Rotating cylinder .....	9611-41-638-0	9611-41-638-0	9611-41-638-0	9611-41-638-0	9611-41-638-0	9611-41-638-0
3	1	Piston .....	9612-1944-01	9612-1944-01	9612-1944-01	9612-1943-01	9612-1943-01	9612-1943-01
4Δ	1	O-ring, NBR .....	9611-99-0052	9611-99-0052	9611-99-0052	9611-99-0052	9611-99-0052	9611-99-0052
5a	1	End cap** (Period 8911-)	31357-0740-1	31357-0740-1	31357-0740-1	31357-0740-1	31357-0740-1	31357-0740-1
6	1	Retaining ring .....	9611-40-2021	9611-40-2021	9611-40-2021	9611-40-2021	9611-40-2021	9611-40-2021
7Δ	1	O-ring, NBR .....	9611-99-0396	9611-99-0396	9611-99-0396	9611-99-0396	9611-99-0396	9611-99-0396
8	1	Inner spring .....	9611-99-1629	9611-99-1629	9611-99-1629	9611-99-1629	9611-99-1629	9611-99-1629
9	1	Outer spring .....	9611-99-1631	9611-99-1631	9611-99-1631	9611-99-1631	9611-99-1631	9611-99-1631
10Δ	2	Needle bearing .....	9611-99-1230	9611-99-1230	9611-99-1230	9611-99-1230	9611-99-1230	9611-99-1230
11Δ	2	Needle bearing .....	9611-99-1231	9611-99-1231	9611-99-1231	9611-99-1231	9611-99-1231	9611-99-1231
12Δ	2	Thrust bearing .....	9611-99-1236	9611-99-1236	9611-99-1236	9611-99-1236	9611-99-1236	9611-99-1236
14	1	Thrust plate .....	9611-41-646-0	9611-41-646-0	9611-41-646-0	9611-41-646-0	9611-41-646-0	9611-41-646-0
15Δ	1	O-ring, NBR .....	9611-99-1233	9611-99-1233	9611-99-1233	9611-99-1233	9611-99-1233	9611-99-1233
16	1	Connex pin .....	9611-99-1235	9611-99-1235	9611-99-1235	9611-99-1235	9611-99-1235	9611-99-1235
17	1	Coupling .....	9611-41-644-0	9611-41-645-0	9612-0447-03	9611-41-644-0	9611-41-645-0	9612-0447-03
18	1	Activating ring, Noryl with screw	9611-41-669-0	9611-41-669-0	9611-41-669-0	9611-41-669-0	9611-41-669-0	9611-41-669-0
19	1	Water rejector .....	9611-41-775-0	9611-41-775-0	9611-41-775-0	9611-41-775-0	9611-41-775-0	9611-41-775-0
		(Period 8310-)						
<b>Δ</b>	<b>1</b>	<b>Service kit for LKLA ø85 (NC-NO) ...</b>	<b>9611923010</b>	<b>9611923010</b>	<b>9611923010</b>	<b>9611923010</b>	<b>9611923010</b>	<b>9611923010</b>

Parts marked with Δ are included in the service kit.

\*\* End cap for MAG TOP and LKT-S/N (standard now)

### NC/NO for Altop

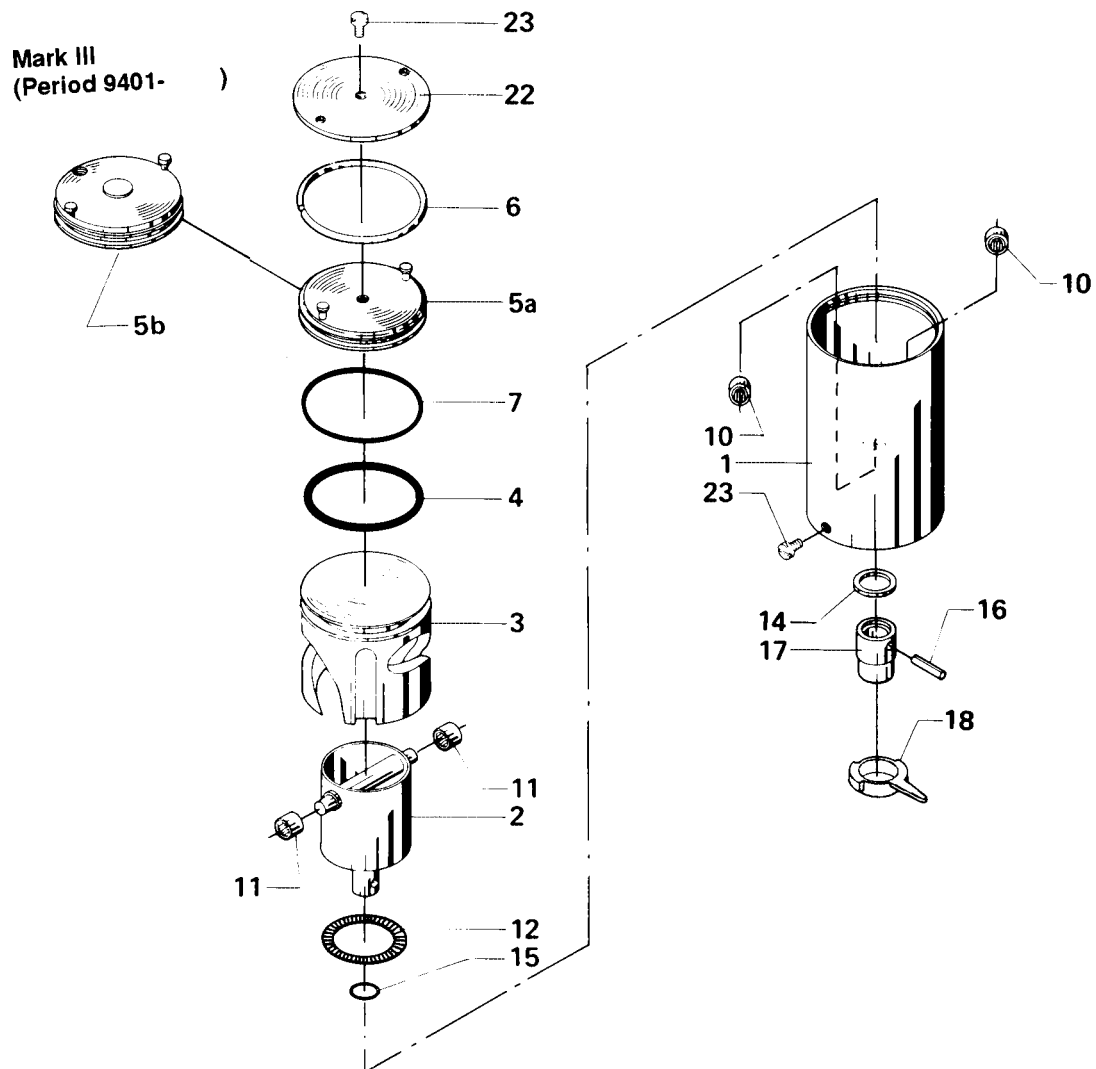
Pos.	Qty.	Description Disc Connection	1" - 2.5"	3"	4"	1" - 2.5"	3"	4"
			NC Part No. 8 mm	NC Part No. 10 mm	NC Part No. 12 mm	NO Part No. 8 mm	NO Part No. 10 mm	NO Part No. 12 mm
	1	Actuator, complete for Altop .....	9611-41-678-1	9611-41-678-2	9611-41-678-6	9611-41-678-4	9611-41-678-5	9611-41-678-7
5b	1	1 End cap, Mark III (Period 9401- )	9611-41-674-0	9611-41-674-0	9611-41-674-0	9611-41-674-0	9611-41-674-0	9611-41-674-0

All other parts are same as above.

**Note:** 4" butterfly valve sold before 8906 = 10 mm  
Please check the square size of the disc when ordering spares.

### Recommended Spare Parts: Service kit





## Actuator for Butterfly Valve LKLA ø85 (A/A)

Pos.	Qty.	Description Disc Connection	1" - 2.5 8 mm	3" 10 mm	4" 12 mm	6" 15 mm
	1	Actuator .....	9611-41-749-1	9611-41-749-2	9611-41-749-3	9611-41-750-0
1	1	Air Cylinder .....	9611-41-758-0	9611-41-758-0	9611-41-758-0	9611-41-742-0
2	1	Rotating cylinder .....	9611-41-744-1	9611-41-744-1	9611-41-744-1	9611-41-744-0
3	1	Piston .....	9611-41-752-0	9611-41-752-0	9611-41-752-0	9611-41-752-0
4 Δ	1	O-ring, NBR .....	9611-99-0052	9611-99-0052	9611-99-0052	9611-99-0052
5a	1	End cap** .....	31357-0740-1	31357-0740-1	31357-0740-1	31357-0740-1
		(Period 8911-)				
6	1	Retaining ring .....	9611-40-2021	9611-40-2021	9611-40-2021	9611-40-2021
7 Δ	1	O-ring, NBR .....	9611-99-0396	9611-99-0396	9611-99-0396	9611-99-0396
10Δ	2	Needle bearing .....	9611-99-1230	9611-99-1230	9611-99-1230	9611-99-1230
11Δ	2	Needle bearing .....	9611-99-1231	9611-99-1231	9611-99-1231	9611-99-1231
12Δ	1	Thrust bearing .....	9611-99-1236	9611-99-1236	9611-99-1236	9611-99-1236
14	1	Thrust plate .....	9611-41-757-0	9611-41-757-0	9611-41-757-0	9611-41-754-0
15Δ	1	O-ring, NBR .....	9611-99-1233	9611-99-1233	9611-99-1233	9611-99-0030
16	1	Connex pin .....	9611-99-1235	9611-99-1235	9611-99-1235	9611-99-1313
17	1	Coupling .....	9611-41-755-1	9611-41-756-1	9612-0448-02	9611-41-665-0
18	1	Activating ring .....	9611-41-669-0	9611-41-669-0	9611-41-669-0	
		with screw				
22***	1	Retaining plate .....	9611-41-437-0	9611-41-437-0	9611-41-437-0	9611-41-437-0
23	2	Threaded plug .....	9611-99-1221	9611-99-1221	9611-99-1221	9611-99-1221
<b>Δ</b>	<b>1</b>	<b>Service kit for actuator LKLA ø85 (A/A) .....</b>	<b>9611-92-3011</b>	<b>9611-92-3011</b>	<b>9611-92-3011</b>	<b>9611-92-3012</b>

Parts marked with Δ are included in the service kit.

\*\* End cap for MAG TOP and LKT-S/N (standard now)

\*\*\* Up to 8910 supplied without holes, is no longer available

### Air/Air for Altop

Pos.	Qty.	Description Disc Connection	1" - 2.5 8 mm	3" 10 mm	4" 12 mm
	1	Air/Air for Altop .....	9612-0812-02	9612-0812-03	9612-0812-04
5b	1	End cap, Mark III .....	9611-41-674-0	9611-41-674-0	9611-41-674-0
		(Period 9401-)			

All other parts are same as above.

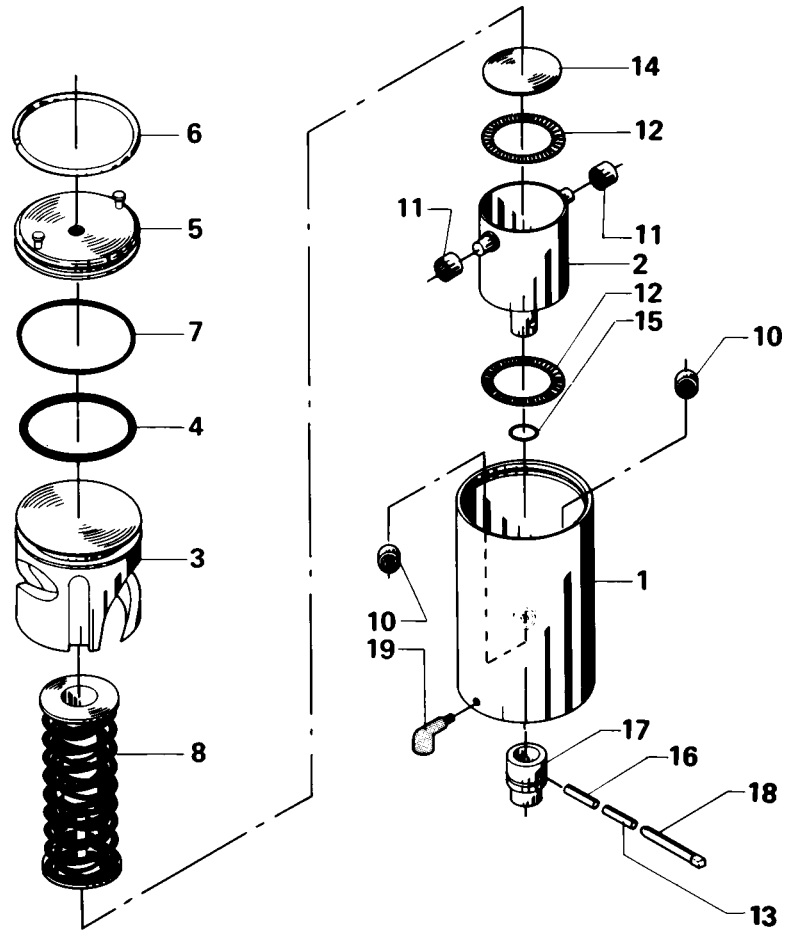
**Note:** 4" butterfly valve sold before 8906 = 10 mm  
Please check the square size of the disc when ordering spares.

### Recommended Spare Parts: Service kit



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## Actuator for Butterfly Valve LKLA ø133 (NC-NO)

Pos.	Qty.	Description Disc Connection	4"	4"	6"	6"
			NC Part No. 12 mm	NO Part No. 12 mm	NC Part No. 15 mm	NO Part No. 15 mm
	1	Actuator, complete .....	9612-2713-06	9612-2713-07	9612-2713-16	9612-2713-17
1	1	Air cylinder .....	9612-2685-01	9612-2685-01	9612-2685-01	9612-2685-01
2	1	Rotating cylinder .....	9612-2678-01	9612-2678-01	9612-2678-01	9612-2678-01
3	1	Piston .....	9612-2700-01	9612-2680-01	9612-2700-01	9612-2680-01
4 Δ	1	O-ring, NBR .....	9611-99-2367	9611-99-2367	9611-99-2367	9611-99-2367
5	1	End cap .....	<del>9612-2714-01</del>	<del>9612-2714-01</del>	<del>9612-2714-01</del>	<del>9612-2714-01</del>
6	1	Retaining ring .....	9612-2682-01	9612-2682-01	9612-2682-01	9612-2682-01
7 Δ	1	O-ring, NBR .....	9611-99-0035	9611-99-0035	9611-99-0035	9611-99-0035
8	1	Spring assembly .....	9612-2701-01	9612-2701-01	9612-2701-01	9612-2701-01
10Δ	2	Needle bearing .....	9611-99-1231	9611-99-1231	9611-99-1231	9611-99-1231
11Δ	2	Needle bearing .....	9611-99-2355	9611-99-2355	9611-99-2355	9611-99-2355
12Δ	2	Thrust bearing .....	9611-99-2347	9611-99-2347	9611-99-2347	9611-99-2347
13	1	Connex pin .....	9611-99-2357	9611-99-2357	9611-99-2357	9611-99-2357
14	1	Thrust plate .....	9612-2671-01	9612-2671-01	9612-2671-01	9612-2671-01
15Δ	1	O-ring, NBR .....	9611-99-0079	9611-99-0079	9611-99-0079	9611-99-0079
16	1	Connex pin .....	9611-99-2358	9611-99-2358	9611-99-2358	9611-99-2358
17	1	Coupling .....	9612-2715-01	9612-2715-01	9612-2715-03	9612-2715-03
18	1	Indication pin .....	9612-2719-01	9612-2719-01	9612-2719-01	9612-2719-01
19	1	Water rejector .....	9611-41-775-0	9611-41-775-0	9611-41-775-0	9611-41-775-0
<b>Δ</b>	<b>1</b>	<b>Service kit for LKLA ø133 (NC-NO) ....</b>	<b>9611-92-3020</b>	<b>9611-92-3020</b>	<b>9611-92-3020</b>	<b>9611-92-3020</b>

Parts marked with Δ are included in the service kit.

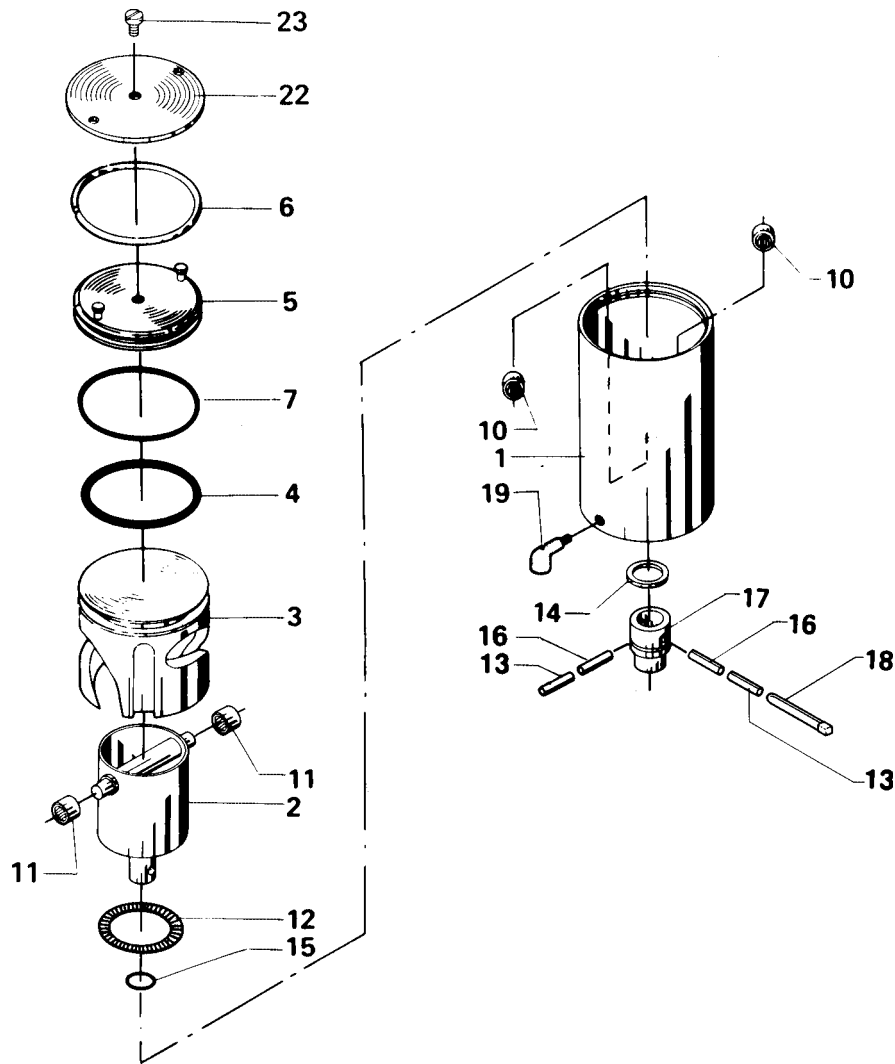
### Recommended Spare Parts: Service kit



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## Actuator for Butterfly Valve LKLA ø133 (A/A)

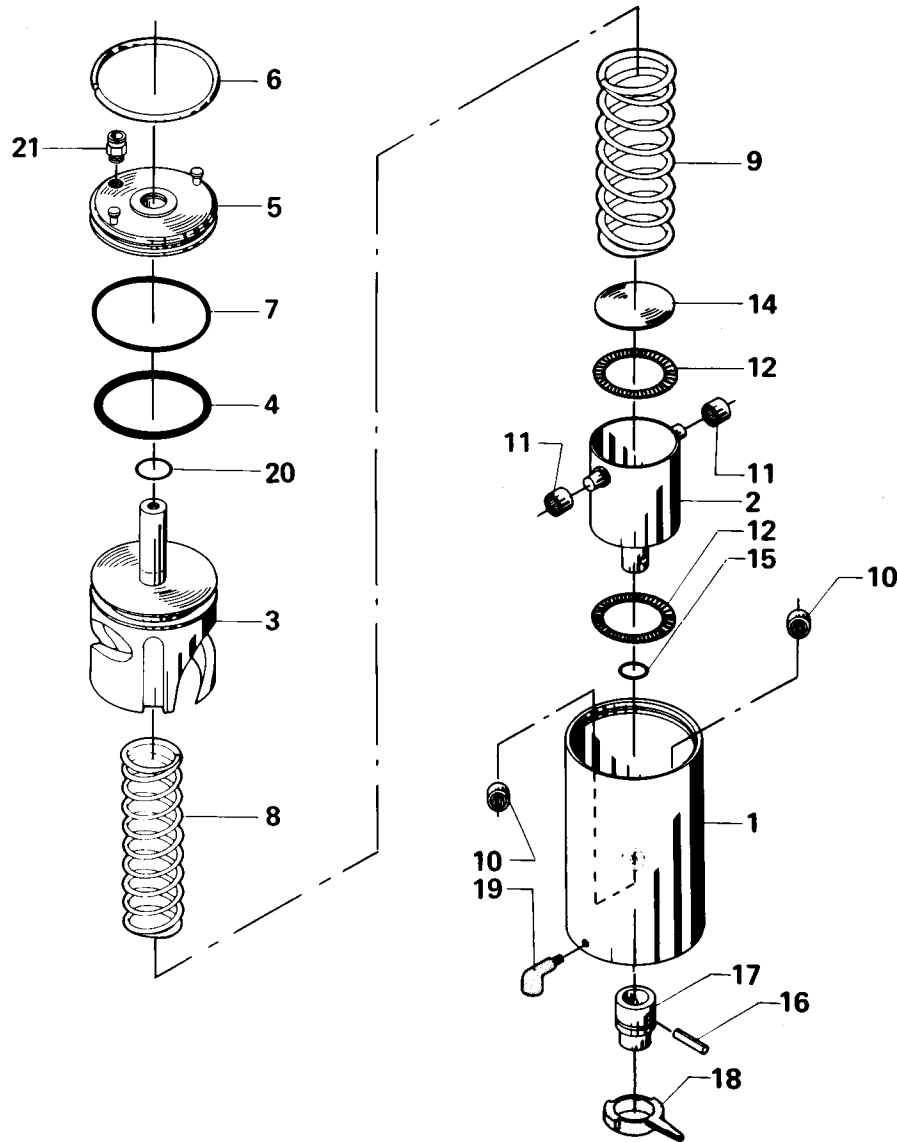
Pos.	Qty.	Description Disc Connection	4" Part No. 12 mm	6" Part No. 15 mm
	1	Actuator, complete .....	9612-2713-08	9612-2713-18
1	1	Air Cylinder .....	9612-2685-01	9612-2685-01
2	1	Rotating cylinder .....	9612-2678-01	9612-2678-01
3	1	Piston .....	9612-2680-01	9612-2680-01
4Δ	1	O-ring, NBR .....	9611-99-2367	9611-99-2367
5	1	End cap .....	9612-2714-01	9612-2714-01
6	1	Retaining ring .....	9612-2682-01	9612-2682-01
7Δ	1	O-ring, NBR .....	9611-99-0035	9611-99-0035
10Δ	2	Needle bearing .....	9611-99-1231	9611-99-1231
11Δ	2	Needle bearing .....	9611-99-2355	9611-99-2355
12Δ	1	Thrust bearing .....	9611-99-2347	9611-99-2347
13	2	Connex pin .....	9611-99-2358	9611-99-2358
14	1	Thrust plate .....	9612-2804-01	9612-2804-01
15Δ	1	O-ring, NBR .....	9611-99-0079	9611-99-0079
16	2	Connex pin .....	9611-99-2357	9611-99-2357
17	1	Coupling .....	9612-2827-01	9612-2827-03
18	1	Indication pin .....	9612-2719-01	9612-2719-01
19	1	Water rejector .....	9611-41-775-0	9611-41-775-0
22	1	Retaining plate .....	9612-3486-01	9612-3486-01
23	1	Threaded plug .....	9611-99-1221	9611-99-1221
<b>Δ</b>	<b>1</b>	<b>Service kit for LKLA ø133 (A/A) .....</b>	<b>9611-92-3022</b>	<b>9611-92-3022</b>

Parts marked with Δ are included in the service kit.

**Recommended Spare Parts: Service kit**



Note: Actuator compatible with Think Top.  
(not for use with Green Tri-Clover Tops)



## Actuator for Butterfly Valve LKLA-T ø85 (NC-NO)

Note: Actuator compatible with Think Top.  
(not for use with Green Tri-Clover Tops)

Pos.	Qty.	Description Disc Connection	1" - 2.5"	3"	4"	1" - 2.5"	3"	4"
			NC Part No. 8 mm	NC Part No. 10 mm	NC Part No. 12 mm	NO Part No. 8 mm	NO Part No. 10 mm	NO Part No. 12 mm
	1	Actuator, complete .....	9612-1940-02	9612-1940-03	9612-1940-07	9612-1940-05	9612-1940-06	9612-1940-08
1	1	Air cylinder .....	9611-41-758-0	9611-41-758-0	9611-41-758-0	9611-41-758-0	9611-41-758-0	9611-41-758-0
2	1	Rotating cylinder .....	9611-41-638-0	9611-41-638-0	9611-41-638-0	9611-41-638-0	9611-41-638-0	9611-41-638-0
3	1	Piston .....	9612-1939-02	9612-1939-02	9612-1939-02	9612-1939-01	9612-1939-01	9612-1939-01
4 Δ	1	O-ring, NBR .....	9611-99-0052	9611-99-0052	9611-99-0052	9611-99-0052	9611-99-0052	9611-99-0052
5	1	End cap .....	9612-1936-01	9612-1936-01	9612-1936-01	9612-1936-01	9612-1936-01	9612-1936-01
6	1	Retaining ring .....	9611-40-202-1	9611-40-202-1	9611-40-202-1	9611-40-202-1	9611-40-202-1	9611-40-202-1
7 Δ	1	O-ring, NBR .....	9611-99-0396	9611-99-0396	9611-99-0396	9611-99-0396	9611-99-0396	9611-99-0396
8	1	Inner spring .....	9611-99-1629	9611-99-1629	9611-99-1629	9611-99-1629	9611-99-1629	9611-99-1629
9	1	Outer spring.....	9611-99-1631	9611-99-1631	9611-99-1631	9611-99-1631	9611-99-1631	9611-99-1631
10Δ	2	Needle bearing .....	9611-99-1230	9611-99-1230	9611-99-1230	9611-99-1230	9611-99-1230	9611-99-1230
11Δ	2	Needle bearing .....	9611-99-1231	9611-99-1231	9611-99-1231	9611-99-1231	9611-99-1231	9611-99-1231
12Δ	2	Thrust bearing .....	9611-99-1236	9611-99-1236	9611-99-1236	9611-99-1236	9611-99-1236	9611-99-1236
14	1	Thrust plate .....	9611-41-646-0	9611-41-646-0	9611-41-646-0	9611-41-646-0	9611-41-646-0	9611-41-646-0
15Δ	1	O-ring, NBR .....	9611-99-1233	9611-99-1233	9611-99-1233	9611-99-1233	9611-99-1233	9611-99-1233
16	1	Connex pin .....	9611-99-1235	9611-99-1235	9611-99-1235	9611-99-1235	9611-99-1235	9611-99-1235
17	1	Coupling .....	9611-41-644-0	9611-41-645-0	9612-0447-03	9611-41-644-0	9611-41-645-0	9612-0447-03
18	1	Activating ring..... with screw	9611-41-669-0	9611-41-669-0	9611-41-669-0	9611-41-669-0	9611-41-669-0	9611-41-669-0
19	1	Water rejector .....	9611-41-775-0	9611-41-775-0	9611-41-775-0	9611-41-775-0	9611-41-775-0	9611-41-775-0
20Δ	1	O-ring, NBR .....	223404-21	223404-21	223404-21	223404-21	223404-21	223404-21
21	1	Air fitting .....	881-249420	881-249420	881-249420	881-249420	881-249420	881-249420
<b>Δ</b>	<b>1</b>	<b>Service kit for LKLA-T ø85 (NC-NO) ..</b>	<b>9611-92-3021</b>	<b>9611-92-3021</b>	<b>9611-92-3021</b>	<b>9611-92-3021</b>	<b>9611-92-3021</b>	<b>9611-92-3021</b>

Parts marked with Δ are included in the service kit.

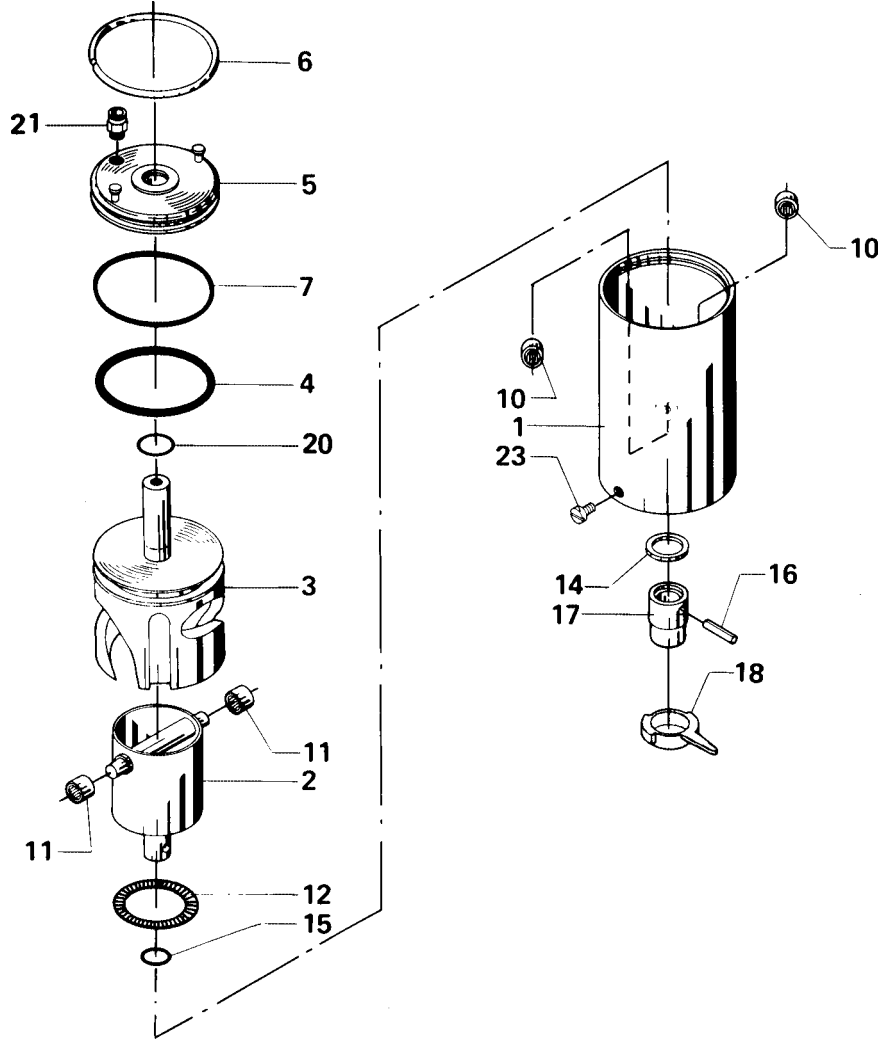
**Recommended Spare Parts: Service kit**



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Note: Actuator compatible with Think Top.  
(not for use with Green Tri-Clover Tops)



## Actuator for Butterfly Valve LKLA-T ø85 (A/A)

Note: Actuator compatible with Think Top.  
(not for use with Green Tri-Clover Tops)

Pos.	Qty.	Description Disc Connection	1" - 2.5" Part No. 8 mm	3" Part No. 10 mm	4" Part No. 12 mm	6" Part No. 15 mm
	1	Actuator, complete .....	9612-1941-02	9612-1941-03	9612-1941-04	9612-1942-01
1	1	Air cylinder .....	9611-41-758-0	9611-41-758-0	9611-41-758-0	9611-41-742-0
2	1	Rotating cylinder .....	9611-41-744-1	9611-41-744-1	9611-41-744-1	9611-41-744-0
3	1	Piston .....	9612-1939-03	9612-1939-03	9612-1939-03	9612-1939-03
4 Δ	1	O-ring, NBR .....	9611-99-0052	9611-99-0052	9611-99-0052	9611-99-0052
5	1	End cap .....	9612-1936-01	9612-1936-01	9612-1936-01	9612-1936-01
6	1	Retaining ring .....	9611-40-202-1	9611-40-202-1	9611-40-202-1	9611-40-202-1
7 Δ	1	O-ring, NBR .....	9611-99-0396	9611-99-0396	9611-99-0396	9611-99-0396
10Δ	2	Needle bearing .....	9611-99-1230	9611-99-1230	9611-99-1230	9611-99-1230
11Δ	2	Needle bearing .....	9611-99-1231	9611-99-1231	9611-99-1231	9611-99-1231
12Δ	1	Thrust bearing .....	9611-99-1236	9611-99-1236	9611-99-1236	9611-99-1236
14	1	Thrust plate .....	9611-41-757-0	9611-41-757-0	9611-41-757-0	9611-41-754-0
15Δ	1	O-ring, NBR .....	9611-99-1233	9611-99-1233	9611-99-1233	9611-99-0030
16	1	Connex pin .....	9611-99-1235	9611-99-1235	9611-99-1235	9611-99-1313
17	1	Coupling .....	9611-41-755-1	9611-41-756-1	9612-0448-02	9611-41-747-1
18	1	Activating ring with screw .....	9611-41-669-0	9611-41-669-0	9611-41-669-0	9611-41-665-0
20Δ	1	O-ring, NBR .....	223404-21	223404-21	223404-21	223404-21
21	1	Air fitting .....	881-249420	881-249420	881-249420	881-249420
23	1	Threaded plug .....	9611-99-1221	9611-99-1221	9611-99-1221	9611-99-1221
<b>Δ</b>	<b>1</b>	<b>Service kit for LKLA-T ø85 (A/A) .....</b>	<b>9611-92-3023</b>	<b>9611-92-3023</b>	<b>9611-92-3023</b>	<b>9611-92-3024</b>

Parts marked with Δ are included in the service kit.

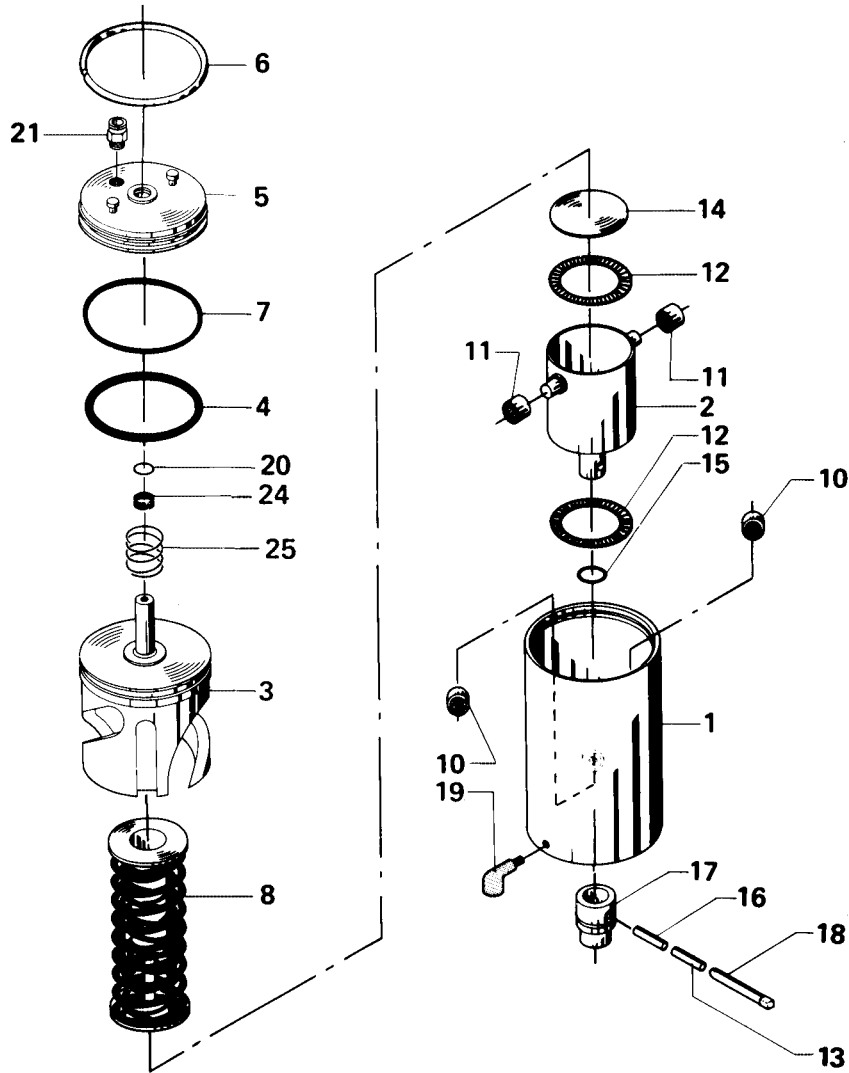
**Recommended Spare Parts: Service kit**



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Note: Actuator compatible with Think Top.  
(not for use with Green Tri-Clover Tops)



## Actuator for Butterfly Valve LKLA-T ø133 (NC-NO)

Note: Actuator compatible with Think Top.  
(not for use with Green Tri-Clover Tops)

Pos.	Qty.	Description Disc Connection	4"	4"	6"	6"
			NC Part No. 12 mm	NO Part No. 12 mm	NC Part No. 15 mm	NO Part No. 15 mm
	1	Actuator, complete .....	9612-3749-06	9612-3749-07	9612-3749-16	9612-3749-17
1	1	Air cylinder .....	9612-2685-01	9612-2685-01	9612-2685-01	9612-2685-01
2	1	Rotating cylinder .....	9612-2678-01	9612-2678-01	9612-2678-01	9612-2678-01
3	1	Piston .....	9612-3699-01	9612-3699-02	9612-3699-01	9612-3699-02
4 Δ	1	O-ring, NBR .....	9611-99-2367	9611-99-2367	9611-99-2367	9611-99-2367
5	1	End cap .....	9612-2714-02	9612-2714-02	9612-2714-02	9612-2714-02
6	1	Retaining ring .....	9612-2682-01	9612-2682-01	9612-2682-01	9612-2682-01
7 Δ	1	O-ring, NBR .....	9611-99-0035	9611-99-0035	9611-99-0035	9611-99-0035
8	1	Spring assembly .....	9612-2701-01	9612-2701-01	9612-2701-01	9612-2701-01
10Δ	2	Needle bearing .....	9611-99-1231	9611-99-1231	9611-99-1231	9611-99-1231
11Δ	2	Needle bearing .....	9611-99-2355	9611-99-2355	9611-99-2355	9611-99-2355
12Δ	2	Thrust bearing .....	9611-99-2347	9611-99-2347	9611-99-2347	9611-99-2347
13	1	Connex pin .....	9611-99-2357	9611-99-2357	9611-99-2357	9611-99-2357
14	1	Thrust plate .....	9612-2671-01	9612-2671-01	9612-2671-01	9612-2671-01
15Δ	1	O-ring, NBR .....	9611-99-0079	9611-99-0079	9611-99-0079	9611-99-0079
16	1	Connex pin .....	9611-99-2358	9611-99-2358	9611-99-2358	9611-99-2358
17	1	Coupling .....	9612-2715-01	9612-2715-01	9612-2715-03	9612-2715-03
18	1	Indication pin .....	9612-2719-01	9612-2719-01	9612-2719-01	9612-2719-01
19	1	Water rejector .....	9611-41-775-0	9611-41-775-0	9611-41-775-0	9611-41-775-0
20Δ	1	O-ring .....	223404-21	223404-21	223404-21	223404-21
21	1	Air fitting .....	881-249420	881-249420	881-249420	881-249420
24Δ	1	Guiding ring .....	9612-3698-01	9612-3698-01	9612-3698-01	9612-3698-01
25	1	Spring .....	9612-3700-01	9612-3700-01	9612-3700-01	9612-3700-01
<b>Δ</b>	<b>1</b>	<b>Service kit for LKLA-T ø133 (NC-NO) ....</b>	<b>9611-92-3056</b>	<b>9611-92-3056</b>	<b>9611-92-3056</b>	<b>9611-92-3056</b>

Parts marked with Δ are included in the service kit.

**Recommended Spare Parts: Service kit**

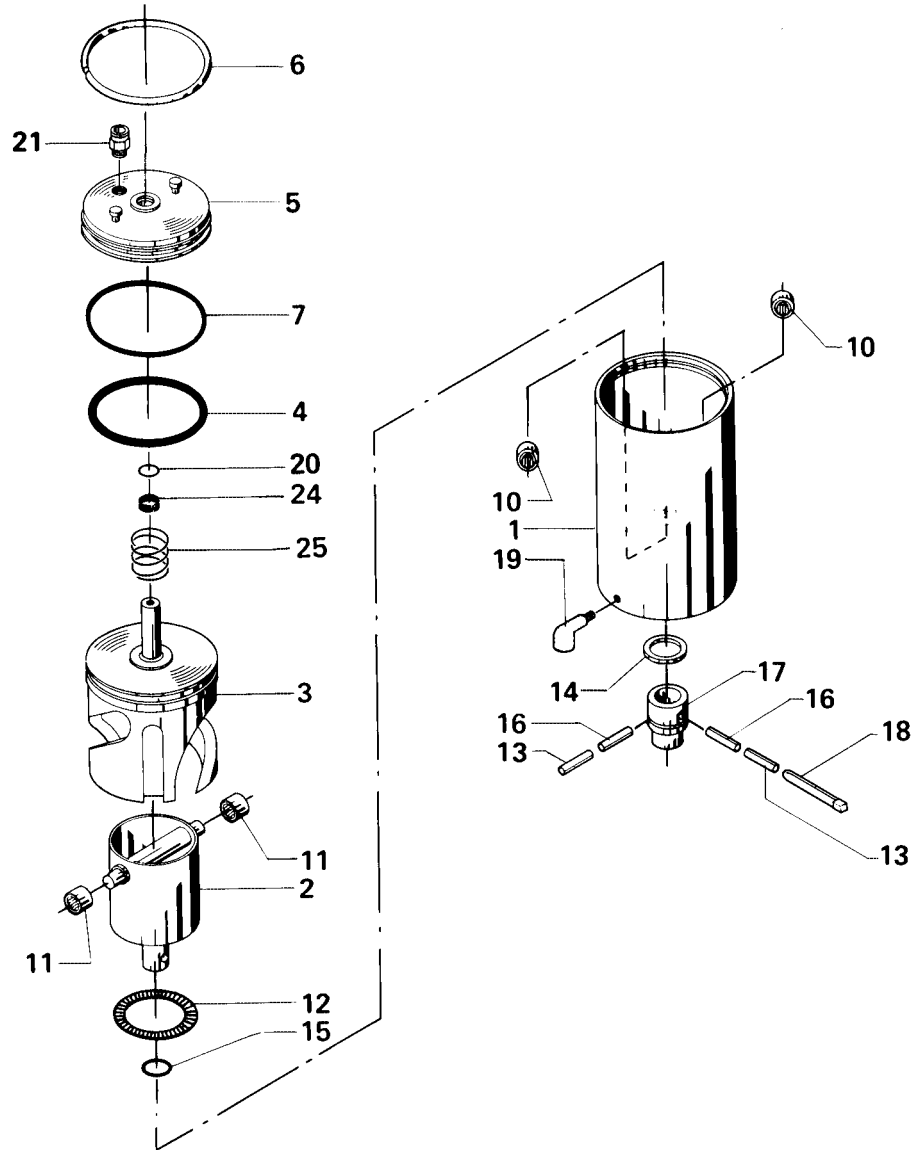


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Note: Actuator compatible with Think Top.  
(not for use with Green Tri-Clover Tops)



## Actuator for Butterfly Valve LKLA-T ø133 (A/A)

Note: Actuator compatible with Think Top.  
(not for use with Green Tri-Clover Tops)

Pos.	Qty.	Description Disc Connection	4" Part No. 12 mm	6" Part No. 15 mm
	1	Actuator, complete .....	9612-3749-08	9612-3749-18
1	1	Air cylinder .....	9612-2685-01	9612-2685-01
2	1	Rotating cylinder .....	9612-2678-01	9612-2678-01
3	1	Piston .....	9612-3699-02	9612-3699-02
4Δ	1	O-ring, NBR .....	9611-99-2367	9611-99-2367
5	1	End cap .....	9612-2714-02	9612-2714-02
6	1	Retaining ring .....	9612-2682-01	9612-2682-01
7Δ	1	O-ring, NBR .....	9611-99-0035	9611-99-0035
10Δ	2	Needle bearing .....	9611-99-1231	9611-99-1231
11Δ	2	Needle bearing .....	9611-99-2355	9611-99-2355
12Δ	1	Thrust bearing .....	9611-99-2347	9611-99-2347
13	2	Connex pin .....	9611-99-2358	9611-99-2358
14	1	Thrust plate .....	9612-2804-01	9612-2804-01
15Δ	1	O-ring, NBR .....	9611-99-0079	9611-99-0079
16	2	Connex pin .....	9611-99-2357	9611-99-2357
17	1	Coupling .....	9612-2827-01	9612-2827-03
18	1	Indication pin .....	9612-2719-01	9612-2719-01
19	1	Water rejector .....	9611-41-775-0	9611-41-775-0
20Δ	1	O-ring, NBR .....	223404-21	223404-21
21	1	Air fitting .....	881-249420	881-249420
24Δ	1	Guiding band .....	9612-3698-01	9612-3698-01
25	1	Spring .....	9612-3700-01	9612-3700-01
<b>Δ</b>	<b>1</b>	<b>Service kit for LKLA-T ø133 (A/A) .....</b>	<b>9611-92-3057</b>	<b>9611-92-3057</b>

Parts marked with Δ are included in the service kit.

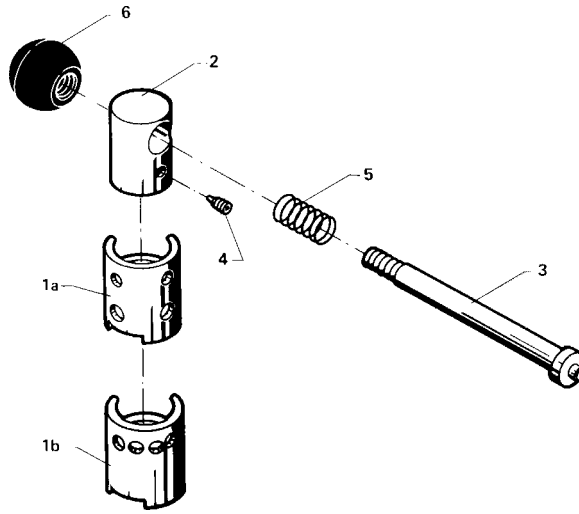
### Recommended Spare Parts: Service kit



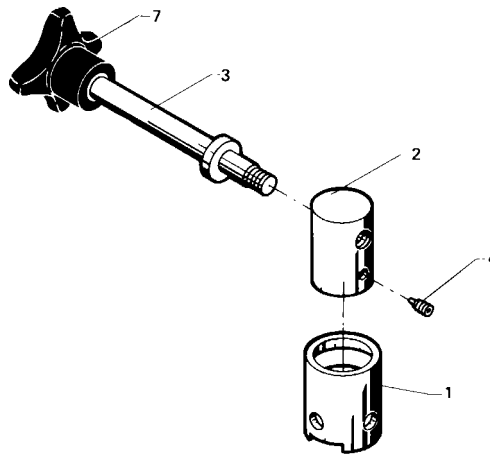
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## *Two and Four Position Handle*



## *Handle With Infinite Positions*



## Handle for Butterfly Valve Regulating Handle

### Two and Four Position Regulating Handle

Pos.	Qty.	Description Disc Connection	1" - 2.5" Part No. 8 mm	3" Part No. 10 mm	4" Part No. 12 mm	6" Part No. 15 mm
	1	2 position handle, complete .....	9612-0450-01	9612-0451-01	9612-0459-01	N/A
	1	4 position handle .....	9612-0450-02	9612-0451-02	9612-0459-02	9612-0791-01
1a	1	Location cap with 2 pos. ....	9611-41-138-0	9611-41-143-0	9612-0464-01	N/A
1b	1	Location cap with 4 pos. ....	9611-41-739-0	9611-41-740-0	9612-0465-01	9612-0792-01
2	1	Transfer block .....	9612-0454-01	9612-0455-01	9612-0462-01	9612-0793-01
3	1	Handle .....	9611-41-140-0	9611-41-140-1	9612-0461-01	9612-3685-01
4	1	Screw with pin .....	9612-0452-01	9612-0453-01	9612-0453-01	9612-0453-01
5	1	Spring .....	9611-99-1998	9611-99-1998	9611-99-1982	9612-3651-01
6	1	Ball .....	9611-99-1970	9611-99-1970	9611-99-1981	9611-99-2713

### Regulating Handle With Infinite Positions

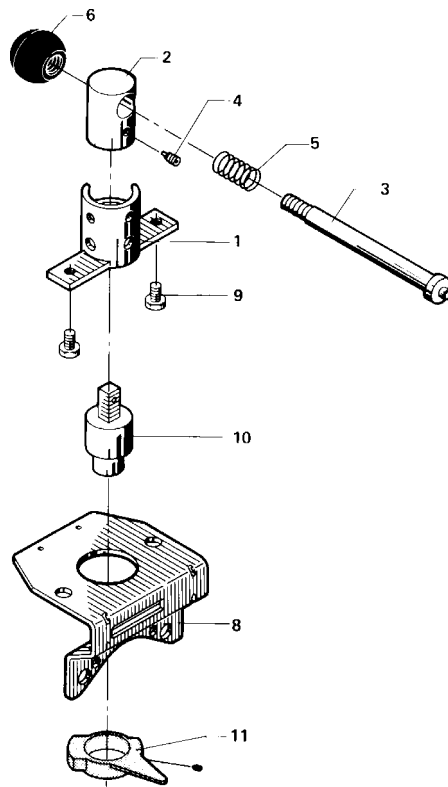
Pos.	Qty.	Description Disc Connection	1" - 2.5" Part No. 8 mm	3" Part No. 10 mm	4" Part No. 12 mm
	1	Handle with infinite positions, complete .....	9612-0474-01	9612-0474-02	9612-0474-03
1	1	Location cap .....	9612-0471-01	9612-0471-02	9612-0471-03
2	1	Transfer block .....	9612-0470-01	9612-0470-02	9612-0470-03
3	1	Handle .....	9612-0472-01	9612-0472-02	9612-0472-02
4	1	Screw with pin .....	9612-0452-01	9612-0453-01	9612-0453-01
7	1	Crosshead .....	9611-99-1995	9611-99-1996	9611-99-1996

**Note:** Regulating handle with 10 mm disc connection can also be used for the old version of 4" butterfly valve.



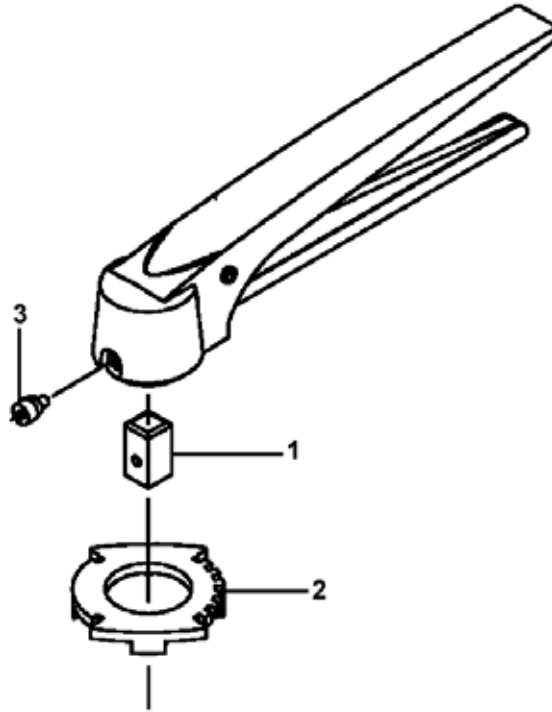
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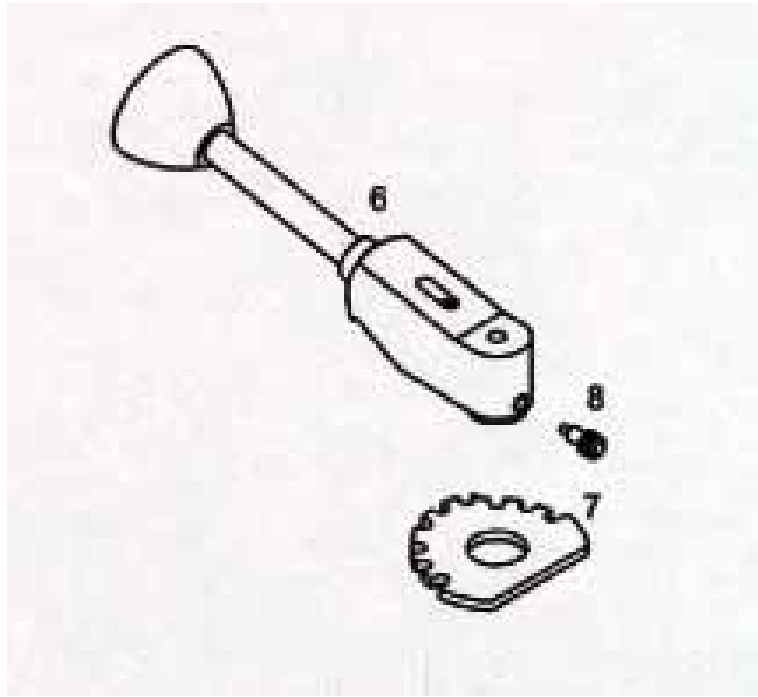


## Handle for Butterfly Valve for indication unit

Pos.	Qty.	Description Disc Connection	1" - 2.5" Part No. 8 mm	3" Part No. 10 mm	4" Part No. 12 mm
1	1	Location cap with 2 pos. ....			
2	1	Transfer block ....			
3	1	Handle .....			
4	1	Screw with pin .....	9612-0452-01	9612-0453-01	9612-0453-01
5	1	Spring .....	9611-99-1998	9611-99-1998	9611-99-1982
6	1	Ball .....	9611-99-1970	9611-99-1970	9611-99-1981
8	1	Bracket.....	9611-41-647-0	9611-41-648-0	9612-0815-02
9	2	Screw .....	9611-99-1686	9611-99-1686	9611-99-1686
10	1	Coupling .....			
11	1	Activating ring with screw .....	9611-41-669-0	9611-41-669-0	9611-41-669-0



Pos.	Qty	Description	8 mm	10 mm	12 mm
	1	Handle complete .....	9612-5928-01	9612-5928-02	9612-5928-03
1	1	Insert .....	9612-5889-01	9612-5889-02	N/A
2	1	Positioning cap (3" - 4") .....	N/A	9612-5888-01	9612-5888-01
		Positioning cap (1" - 2.5") .....	9612-5887-01	N/A	N/A
3	1	Screw .....	9612-0453-02	9612-0453-01	9612-0453-01



Key#	Description	No Req'd	1"	1½"	2"	2½"	3"	4"
6	Handle	1	331015	331015	331015	331015	331016	330776
7	Stop Plate	1	331141C	331141C	331141C	331141C	331142C	331142C
8	Ret. Screw	1	330028	330028	330028	330028	330035	330035