

# Manual or Automatic - it's your Choice

## Alfa Laval LKB and LKB-F Automatic or Manual Butterfly Valve

**Concept**

The LKB range are hygienic butterfly valves for use in stainless steel pipe systems.

**Working principle**

LKB is either remote-controlled by means of an actuator or manually operated by means of a handle.  
 The actuator is made in three standard versions, normally closed (NC), normally open (NO) and air/air activated (A/A).  
 The actuator is designed so that an axial movement of a piston is transformed into a 90° rotation of a shaft. The torque of the actuator is increased when the valve disc contacts the seal ring of the butterfly valve.  
 The handle for manual operation mechanically locks the valve in its open or closed position. The handles for the valve sizes DN125 and DN150, which are designed for locking in two intermediate positions, enable adjusting of the valve, so that the flow rate can be regulated.



**TECHNICAL DATA**

**Valve**

Max. product pressure: . . . . . 1000 kPa (10 bar)  
 Min. product pressure: . . . . . Full vacuum  
 Temperature range: . . . . . -10°C to + 140°C (EPDM)  
   However max. 95°C when operating the valve

**Actuator**

Max. air pressure: . . . . . 700 kPa (7 bar)  
 Min. air pressure, NC and NO: 400 kPa (4 bar)  
 Temperature range: . . . . . -25°C to +90°C  
 Air consumption (litres free air) -  
   ø85 mm: . . . . . 0.24 x p (bar)  
 Air consumption (litres free air) -  
   ø133 mm: . . . . . 0.95 x p (bar)  
 Weight: . . . . . - ø85 mm: 3 kg.  
   - ø133 mm: 12 kg.



**PHYSICAL DATA**

**Valve bodies**

Product wetted steel parts: . . . 1.4307 (304L) or 1.4404 (316L)  
 Disc: . . . . . 1.4301 (304) or 1.4404 (316L)  
 Other steel parts: . . . . . 1.4301 (304)  
 Rubber grades: . . . . . Q, EPDM, FPM, HNBR<sup>1)</sup> or PFA<sup>2)</sup>  
 Bushes for valve disc: . . . . . PVDF  
 Finish: . . . . . Semi-bright

- 1) LKB-F with HNBR not available in DIN
- 2) LKB-F with PFA not available

**Actuator**

Actuator body: . . . . . 1.4307 (304L).  
 Piston: . . . . . Light alloy (for ø85 mm:  
   Bronze) Air/air version  
 Seals: . . . . . NBR

**Standard design**

LKB is available in three versions, LKB for ISO and DIN tubes, LKB-2 for DIN tubes and LKB-F for flange connection.

The valve consists of two valve body halves, valve disc, bushes for the disc stem and seal ring. LKB-F also consists of two flanges and two flange seal rings. The valve is assembled by means of screws and nuts.

Two actuator sizes,  $\varnothing 85$  mm and  $\varnothing 133$  mm, cover all valve sizes. The actuator is available in two versions, LKLA and LKLA-T.

The actuator is fitted onto the valve by means of a bracket and screws. (The actuator can also be fitted onto ball valves by means of special brackets).

The handle for manual operation is fitted onto the valve by means of a cap/block system and a screw.

The valve has welding ends as standard, but LKB and LKB-2 can also be supplied with fittings.

**Options**

- A. Male parts or clamp liners in accordance with required standard.
- B. ThinkTop® for control and indication.\*
- C. Indication unit with micro switches.\*
- D. Indication unit with inductive proximity switches.\*
- E. Indication unit with Hall proximity switches.\*
- F. Explosion proof indication unit with inductive proximity switches.\*
- G. Bracket for actuator. (Also for ball valves).
- H. Handle with two or four positions (standard on DN125 and DN150).
- I. Handle for electrical position indication.
- J. Handle with infinite intermediate positions (not for DN125 and DN150).
- K. Multipositioning handle\*\*.
- L. Lockable Multiposition Handle. Padlock can be mounted as shown in fig. 3.

**Note!** Padlock is not delivered.

- M. Special cap for 90° turned handle position.
- N. Service tool for actuator.
- O. Service tool for fitting 25-38 mm (DN25 - DN40) valve discs.

\* For further information see Product Catalogue chapter "Control & Indication".

\*\* A padlock can be mounted on the Lockable Multiposition Handle as shown in the opposite figure.

**Note!** Padlock is not delivered.

**Note!**

For further details, see also ESE02446.

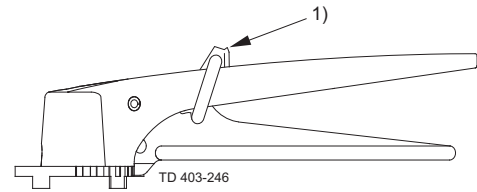


Fig. 1. Lockable Multiposition Handle with padlock.

1. Padlock

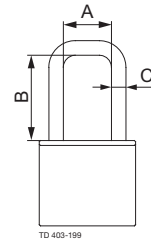


Fig. 2. Dimensions - padlock.

- A. Min. 20 mm
- B. Min. 35 mm
- C.  $\varnothing 6$  mm

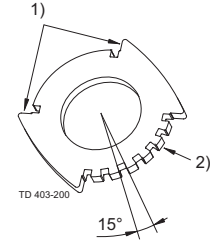
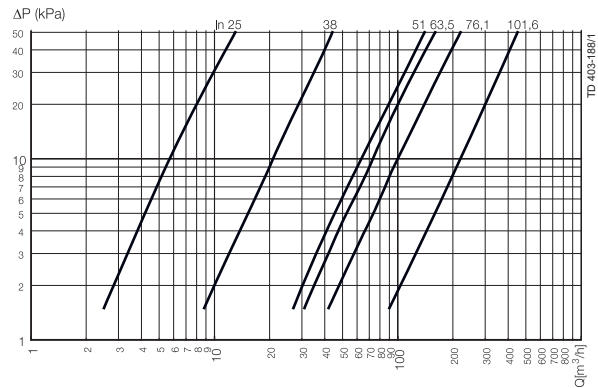


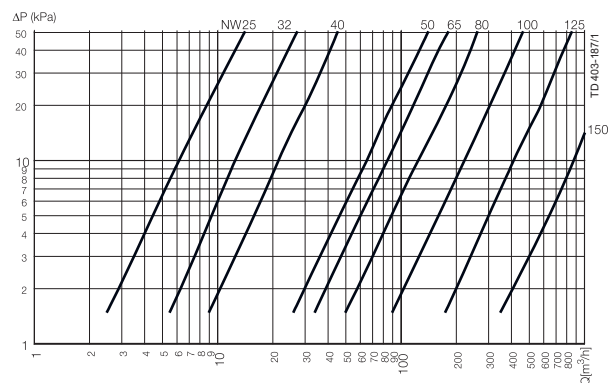
Fig. 3. Positioning cap.

- 1. On/Off
- 2. Multi positioning

**Capacity/Pressure drop diagrams**



LKB and LKB-F fully open



LKB-2 and LKB-F fully open

**NOTE!**

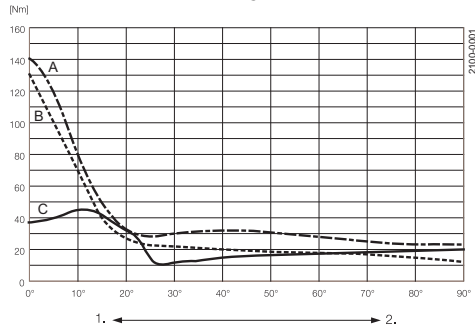
For the diagrams the following applies:

Medium: Water (20°C)(68°F).

Measurement: In accordance with VDI 2173.

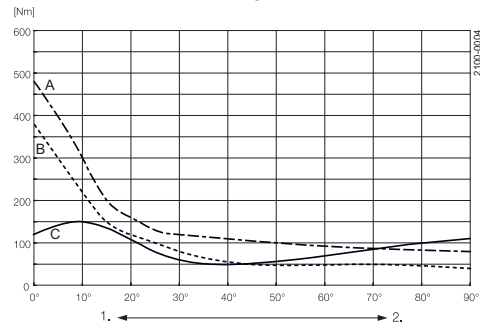
Torque diagrams - Actuator

LKLA ø85 mm:  
NC



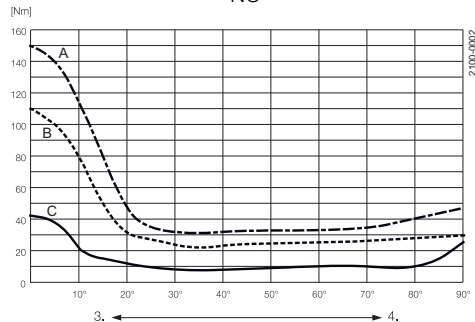
1. Closing - Spring activated      2. Opening - Air activated

LKLA ø133 mm:  
NC



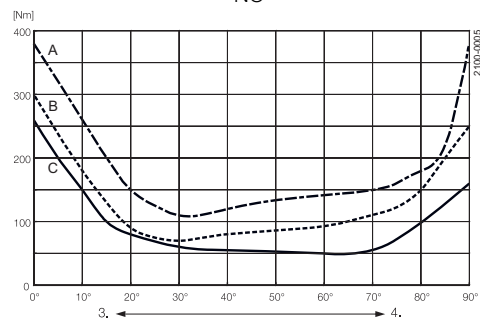
1. Closing - Spring activated      2. Opening - Air activated

NO



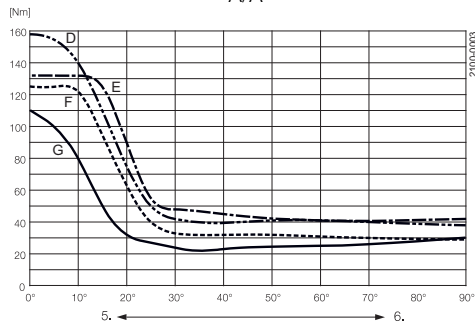
3. Closing - Air activated      4. Opening - Spring activated

NO



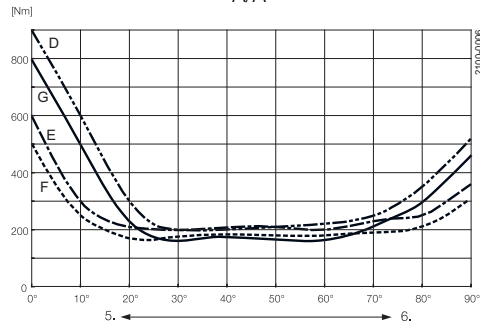
3. Closing - Air activated      4. Opening - Spring activated

A/A



5. Closing      6. Opening

A/A



5. Closing      6. Opening

- A = 6 bar air pressure
- B = 5 bar air pressure
- C = Closing/opening with spring

- D = 6 bar air pressure connection on top
- E = 6 bar air pressure connection on bottom
- F = 5 bar air pressure connection on top
- G = 5 bar air pressure connection on bottom

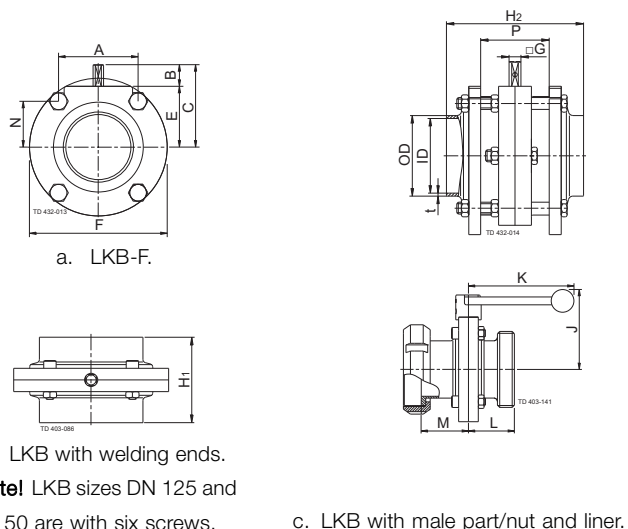
Alfa Laval recommends actuator size ø133 for ≥ 101.6/DN100

Torque values (for rotating the valve disc in a dry seal ring)

Size	Max. Nm
25mm/DN25	15
DN32	15
38mm/DN40	15
51mm/DN50	20
63.5mm/DN65	25
76mm/DN80	30
101.6mm/DN100	35
DN125	50
DN150	120

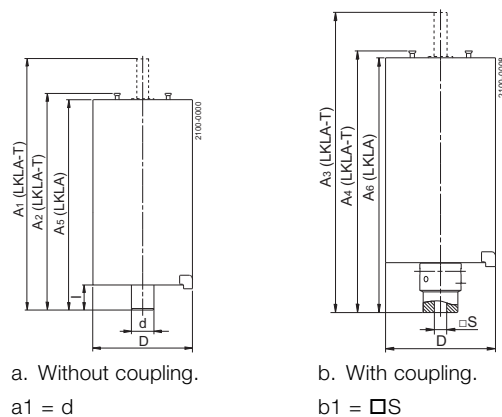
Valve Dimensions (mm)

Fig. 1. Dimensions - valve.



**Note!** LKB sizes DN 125 and 150 are with six screws.

Fig. 2. Dimensions - actuator



Dimensions (mm) - Valve

LKB, LKB-2, LKB-F:

Size	25	38	51	63.5	76.1	101.6	DN	DN	DN	DN	DN	DN	DN	DN	DN
	mm	mm	mm	mm	mm	mm	25	32	40	50	65	80	100	125	150
A	42.0	42.0	61.0	61.0	79.5	106.0	42.0	42.0	42.0	61.0	61.0	79.0	106.0	106.0	98.0
B	15.5	16.7	16.6	17.5	16.6	16.0	14.7	15.9	16.7	16.6	17.5	16.0	16.0	18.0	18.0
C	49.0	49.0	58.5	69.5	73.5	93.0	48.0	49.0	54.0	63.0	75.0	79.0	93.0	115.0	122.0
OD	25.6	38.6	51.6	64.1	76.6	102.2	30.0	36.0	42.0	54.0	70.0	85.0	104.0	129.0	154.0
ID	22.5	35.5	48.5	60.5	72.0	97.6	26.0	32.0	38.0	50.0	66.0	81.0	100.0	125.0	150.0
t	1.55	1.55	1.55	1.8	2.3	2.3	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
E	32.5	32.5	42.0	52.0	57.0	77.0	33.3	33.3	37.7	46.6	57.3	63.0	77.0	96.7	104.0
F	78.0	78.0	99.0	117.0	132.0	169.0	79.0	79.0	86.5	105.7	125.0	143.0	169.0	199.0	216.0
G	8.0	8.0	8.0	8.0	10.0	12.0	8.0	8.0	8.0	8.0	10.0	10.0	12.0	14.0	15.0
H <sub>1</sub>	47.0	47.0	52.0	54.0	62.0	80.0	47.0	47.0	47.0	52.0	62.0	64.0	80.0	110.0	80.0
H <sub>2</sub>	83.0	83.0	92.0	92.0	114.0	132.0	83.0	83.0	83.0	92.0	114.0	116.0	132.0	136.0	152.0
J	82.0	82.0	92.0	102.0	107.0	127.0	74.0	74.0	78.0	88.0	98.0	104.0	118.0	150.0	161.0
K	120.0	120.0	120.0	120.0	162.0	162.0	120.0	120.0	120.0	120.0	162.0	162.0	162.0	223.0	338.0
L IDF/ISO	45.0	45.0	47.5	48.5	52.5	61.5	-	-	-	-	-	-	-	-	-
M IDF/ISO	55.5	55.5	58.0	59.0	63.0	81.5	-	-	-	-	-	-	-	-	-
L DS	42.0	43.5	46.0	51.0	55.0	64.0	-	-	-	-	-	-	-	-	-
M DS	54.5	54.5	57.0	59.0	63.0	72.0	-	-	-	-	-	-	-	-	-
L SMS	38.5	43.5	46.0	51.0	55.0	75.0	-	-	-	-	-	-	-	-	-
M SMS	51.0	52.5	55.0	56.0	61.0	72.0	-	-	-	-	-	-	-	-	-
L BS	45.7	45.7	48.2	49.2	53.2	67.0	-	-	-	-	-	-	-	-	-
M BS	50.5	50.5	53.0	54.0	58.0	71.8	-	-	-	-	-	-	-	-	-
L DIN	45.5	45.5	48.0	52.0	61.0	70.0	40.0	40.0	37.0	37.0	43.0	48.0	51.0	55.0	115.0
M DIN	61.5	61.5	66.0	67.0	71.0	83.0	45.5	48.5	49.5	54.0	63.0	69.0	84.0	89.0	77.0
L Clamp	45.0	45.0	47.5	48.5	52.5	61.5	45.0	45.0	45.0	47.5	59.0	60.0	68.0	83.0	68.0
N	26.5	26.5	30.5	40.5	43.5	53.0	27.3	27.3	31.7	35.1	45.8	49.5	53.0	72.7	85.0
P	42.0	42.0	46.0	46.0	58.0	58.0	42.0	42.0	42.0	46.0	58.0	58.0	58.0	62.0	78.0
Weight LKB-F (kg)	1.6	1.3	2.1	2.9	5.0	7.9	1.6	1.6	1.7	2.6	4.7	5.8	7.9	11.7	12.3
Weight LKB/ LKB-2 (kg)	1.2	1.0	1.5	2.1	3.0	4.7	1.2	1.1	1.3	1.8	3.0	3.5	5.1	7.5	9.0

**NOTE!** Weights are for valves with welding ends and handles.

## Dimensions (mm) - Actuator

## LKLA and LKLA-T:

Valve size	25-63.5 DN25-50	76.1 DN65-80	101.6 DN100	101.6 DN100	DN125	DN125	DN150	DN150
A <sub>1</sub>	217.1	217.1	217.1	337	217.1	337	217.1	337
A <sub>2</sub>	173.5	173.5	173.5	290	173.5	290	173.5	290
A <sub>3</sub>	236.1	234.1	234.1	363.5	237.1	363.5	237.1	363.5
A <sub>4</sub>	192.5	190.5	190.5	316.5	193.5	316.5	193.5	316.5
A <sub>5</sub>	165.5	165.5	165.5	282	165.5	282	165.5	282
A <sub>6</sub>	184.5	182.5	182.5	308.5	185.5	308.5	185.5	308.5
D	85	85	85	133	85	133	85	133
d	17	17	17	30	20	30	20	30
l	16.5	16.5	16.5	34	16.5	34	16.5	34
S	8	10	12	12	14	14	15	15
Function	NC,NO,A/A	NC,NO,A/A	NC,NO,A/A	NC,NO,A/A	A/A	NC,NO,A/A	A/A	NC,NO,A/A

## Connections

## Compressed air

R1/8" (BSP), internal thread.

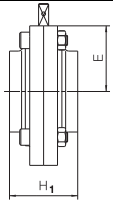
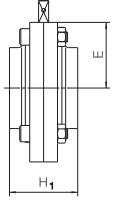
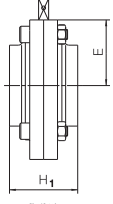
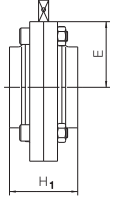
# LKB Automatic or Manual Butterfly Valve

# Butterfly valves

Product code: 5204

Material: See below  
 Connection: ISO Welding ends  
 Inside surface finish: Ra ≤ 0.8 μm

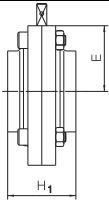
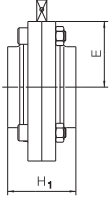
2.2

Item No.	PPL EUR	Item No.	PPL EUR	Item No.	PPL EUR	Size	Dimension (mm)		
Silicone (Q)		EPDM		FPM		ISO DN/OD	E	H <sub>1</sub>	1.4307 (304L)
9611440300	151	9611444500	151	9611444580	164	25	32.5	47	
9611440250	157	9611444510	157	9611444590	169	38	32.5	47	
9611440260	167	9611444520	167	9611444600	185	51	42.0	52	
9611440270	211	9611444530	211	9611444610	234	63.5	52.0	54	
9611440280	271	9611444540	271	9611444620	301	76.1	57.0	62	
9611410290	355	9611414550	355	9611414630	388	101.6	77.0	80	
9612935201	1188	9611414571	1188	9611414651	1309	152.0	104.0	80	
HNBR		PFA							1.4307 (304L)
9612650200	159	Not available				25	32.5	47	
9612650201	163	9612943202	407			38	32.5	47	
9612650202	177	9612943203	438			51	42.0	52	
9612650203	221	9612943204	523			63.5	52.0	54	
9612650204	288	9612943205	650			76.1	57.0	62	
9612650205	373	9612943206	797			101.6	77.0	80	
9612935203	1280	Not available				152	104.0	80	
Silicone (Q)		EPDM		FPM					1.4404 (316L)
9611442191	182	9611444501	182	9611444581	200	25	32.5	47	
9611442211	185	9611444511	185	9611444591	205	38	32.5	47	
9611442221	203	9611444521	203	9611444601	219	51	42.0	52	
9611442231	255	9611444531	255	9611444611	280	63.5	52.0	54	
9611442241	327	9611444541	327	9611444621	360	76.1	57.0	62	
9611412261	428	9611414551	428	9611414631	469	101.6	77.0	80	
9612935202	1386	9611414572	1386	9611414652	1523	152.0	104.0	80	
HNBR		PFA							1.4404 (316L)
9612650206	192	Not available				25	32.5	47	
9612650207	195	9612943214	407			38	32.5	47	
9612650208	213	9612943215	471			51	42.0	52	
9612650209	265	9612943216	561			63.5	52.0	54	
9612650210	343	9612943217	701			76.1	57.0	62	
9612650211	450	9612943218	862			101.6	77.0	80	
9612935204	1572	Not available				152	104.0	80	

NOTE! Other combinations on request. Operating parts, handles and actuators please see later this chapter.

Product code: 5204

Material: See below  
 Connection: ISO Welding ends  
 Inside surface finish: Ra ≤ 0.8 μm

Item No.	PPL EUR	Item No.	PPL EUR	Item No.	PPL EUR	Size	Dimension (mm)		
Silicone (Q)		EPDM		FPM		ISO DN/OD	E	H <sub>1</sub>	1.4307 (304L)
9613432201	1457	9613432202	1430	9613432203	1599	152.0	104.0	80	
HNBR									1.4404 (316L)
9613432204	1613					152	104.0	80	

\* Including 3.1 Certificate on all product wetted steel parts and FDA conformity documentation on all product wetted rubber materials.

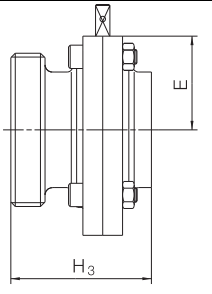
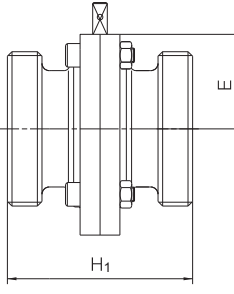
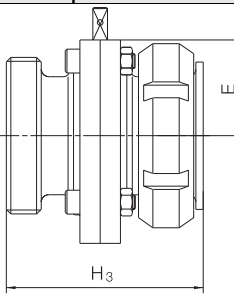
# LKB Automatic or Manual Butterfly Valve

Butterfly valves

Product code: 5207

Material: 1.4404 (316L)  
Connection: SMS

2.2

Item No.	PPL	Item No.	PPL	Item No.	PPL	Size	Dimension (mm)		Male part/Welding ends
	EUR		EUR		EUR		E	H <sub>3</sub>	
Silicone (Q)		EPDM		FPM		ISO DN/OD			
9611442401	<b>278</b>	9611445061	<b>278</b>	9611445791	<b>304</b>	25	32.5	62	
9611442411	<b>283</b>	9611445071	<b>283</b>	9611445801	<b>310</b>	38	32.5	67	
9611442421	<b>296</b>	9611445081	<b>296</b>	9611445811	<b>326</b>	51	42.0	72	
9611442431	<b>309</b>	9611445091	<b>309</b>	9611445821	<b>340</b>	63.5	52.0	78	
9611442441	<b>396</b>	9611445101	<b>396</b>	9611445831	<b>438</b>	76.1	57.0	86	
9611412451	<b>705</b>	9611415111	<b>705</b>	9611415841	<b>774</b>	101.6	77.0	115	
<b>Two male parts</b>									
9611442471	<b>310</b>	9611445151	<b>310</b>	9611445871	<b>342</b>	25	32.5	77	
9611442481	<b>319</b>	9611445161	<b>319</b>	9611445881	<b>346</b>	38	32.5	87	
9611442491	<b>333</b>	9611445171	<b>333</b>	9611445891	<b>365</b>	51	42.0	92	
9611442501	<b>440</b>	9611445181	<b>440</b>	9611445901	<b>482</b>	63.5	52.0	102	
9611442511	<b>515</b>	9611445191	<b>515</b>	9611445911	<b>562</b>	76.1	57.0	110	
9611412521	<b>838</b>	9611415201	<b>838</b>	9611415921	<b>921</b>	101.6	77.0	150	
<b>Male part - nut and liner</b>									
9611442541	<b>323</b>	9611445231	<b>323</b>	9611445951	<b>355</b>	25	32.5	89.5	
9611442551	<b>327</b>	9611445241	<b>327</b>	9611445961	<b>360</b>	38	32.5	96.0	
9611442561	<b>355</b>	9611445251	<b>355</b>	9611445971	<b>388</b>	51	42.0	101.0	
9611442571	<b>467</b>	9611445261	<b>467</b>	9611445981	<b>512</b>	63.5	52.0	107.0	
9611442581	<b>607</b>	9611445271	<b>607</b>	9611445991	<b>663</b>	76.1	57.0	116.0	
9611412591	<b>973</b>	9611415281	<b>973</b>	9611416001	<b>1070</b>	101.6	77.0	147.0	

NOTE! Other combinations on request. Operating parts, handles and actuators please see later this chapter.



Item No.	PPL EUR	Item No.	PPL EUR	Item No.	PPL EUR	Size	Dimension (mm)		Male part/Welding ends
Silicone (Q)		EPDM		FPM		ISO DN/OD	E	H <sub>3</sub>	
9611440332	<b>235</b>	9611444822	<b>231</b>	9611445552	<b>255</b>	25	32.5	65.5	
9611440202	<b>236</b>	9611444832	<b>236</b>	9611445562	<b>260</b>	38	32.5	65.5	
9611440212	<b>244</b>	9611444842	<b>244</b>	9611445572	<b>265</b>	51	42.0	70.5	
9611440222	<b>258</b>	9611444852	<b>258</b>	9611445582	<b>283</b>	63.5	52.0	72.5	
9611440232	<b>382</b>	9611444862	<b>382</b>	9611445592	<b>420</b>	76.1	57.0	80.5	
9611410242	<b>588</b>	9611414872	<b>588</b>	9611415602	<b>646</b>	101.6	77.0	98.5	
<b>Two male parts</b>									
9611440362	<b>258</b>	9611444902	<b>258</b>	9611445632	<b>283</b>	25	32.5	84	
9611440102	<b>264</b>	9611444912	<b>264</b>	9611445642	<b>293</b>	38	32.5	84	
9611440112	<b>288</b>	9611444922	<b>288</b>	9611445652	<b>317</b>	51	42.0	89	
9611440122	<b>365</b>	9611444932	<b>365</b>	9611445662	<b>398</b>	63.5	52.0	91	
9611440132	<b>469</b>	9611444942	<b>469</b>	9611445672	<b>515</b>	76.1	57.0	99	
9611410142	<b>705</b>	9611414952	<b>705</b>	9611415682	<b>774</b>	101.6	77.0	117	
<b>Male part - nut and liner</b>									
9611440392	<b>262</b>	9611444982	<b>262</b>	9611445712	<b>295</b>	25	32.5	97.5	
9611440152	<b>270</b>	9611444992	<b>270</b>	9611445722	<b>297</b>	38	32.5	97.5	
9611440162	<b>294</b>	9611445002	<b>294</b>	9611445732	<b>320</b>	51	42.0	102.5	
9611440172	<b>389</b>	9611445012	<b>397</b>	9611445742	<b>439</b>	63.5	52.0	104.5	
9611440182	<b>512</b>	9611445022	<b>512</b>	9611445752	<b>571</b>	76.1	52.0	112.5	
9611410192	<b>807</b>	9611415032	<b>807</b>	9611415762	<b>905</b>	101.6	77.0	140.0	

NOTE! Other combinations on request. Operating parts, handles and actuators please see later this chapter.

# LKB Automatic or Manual Butterfly Valve

Butterfly valves

Product code: 5207

Material: 1.4404 (316L)  
Connection: ISO (IDF)

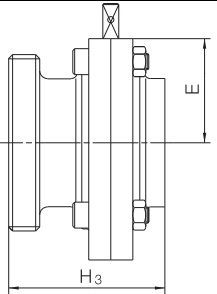
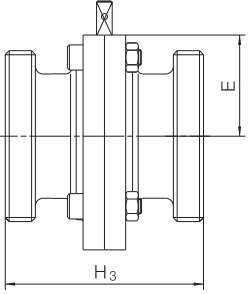
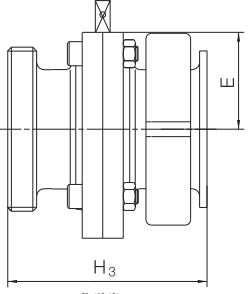
2.2

Item No.	PPL EUR	Item No.	PPL EUR	Item No.	PPL EUR	Size	Dimension (mm)		
Silicone (Q)		EPDM		FPM		ISO DN/OD	E	H <sub>3</sub>	Male part/Welding ends
9611442402	<b>284</b>	9611445062	<b>278</b>	9611445792	<b>304</b>	25	32.5	65.5	
9611442412	<b>283</b>	9611445072	<b>283</b>	9611445802	<b>310</b>	38	32.5	65.5	
9611442422	<b>296</b>	9611445082	<b>296</b>	9611445812	<b>326</b>	51	42.0	70.5	
9611442432	<b>309</b>	9611445092	<b>309</b>	9611445822	<b>340</b>	63.5	52.0	72.5	
9611442442	<b>396</b>	9611445102	<b>396</b>	9611445832	<b>438</b>	76.1	57.0	80.5	
9611412452	<b>705</b>	9611415112	<b>718</b>	9611415842	<b>774</b>	101.6	77.0	98.5	
<b>Two male parts</b>									
9611442472	<b>310</b>	9611445152	<b>310</b>	9611445872	<b>342</b>	25	32.5	84	
9611442482	<b>319</b>	9611445162	<b>319</b>	9611445882	<b>346</b>	38	32.5	84	
9611442492	<b>333</b>	9611445172	<b>333</b>	9611445892	<b>365</b>	51	42.0	89	
9611442502	<b>440</b>	9611445182	<b>440</b>	9611445902	<b>482</b>	63.5	52.0	91	
9611442512	<b>515</b>	9611445192	<b>515</b>	9611445912	<b>562</b>	76.1	57.0	99	
9611412522	<b>838</b>	9611415202	<b>838</b>	9611415922	<b>921</b>	101.6	77.0	117	
<b>Male part - nut and liner</b>									
9611442542	<b>323</b>	9611445232	<b>323</b>	9611445952	<b>355</b>	25	32.5	97.5	
9611442552	<b>327</b>	9611445242	<b>327</b>	9611445962	<b>360</b>	38	32.5	97.5	
9611442562	<b>355</b>	9611445252	<b>355</b>	9611445972	<b>388</b>	51	42.0	102.5	
9611442572	<b>467</b>	9611445262	<b>467</b>	9611445982	<b>521</b>	63.5	52.0	104.5	
9611442582	<b>607</b>	9611445272	<b>607</b>	9611445992	<b>678</b>	76.1	57.0	112.5	
9611412592	<b>973</b>	9611415282	<b>973</b>	9611416002	<b>1090</b>	101.6	77.0	140.0	

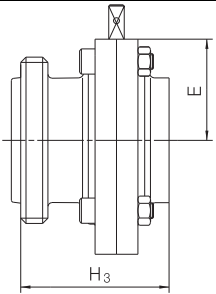
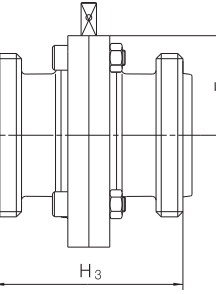
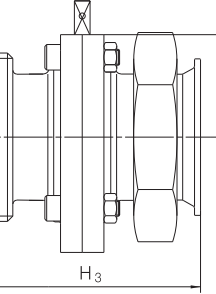
NOTE! Other combinations on request. Operating parts, handles and actuators please see later this chapter.

Item No.	PPL EUR	Item No.	PPL EUR	Item No.	PPL EUR	Size	Dimension (mm)		Male part/Welding ends
Silicone (Q)		EPDM		FPM		ISO DN/OD	E	H <sub>3</sub>	
9611440330	<b>231</b>	9611444820	<b>231</b>	9611445550	<b>255</b>	25	32.5	65.5	
9611440200	<b>236</b>	9611444830	<b>236</b>	9611445560	<b>260</b>	38	32.5	67	
9611440210	<b>244</b>	9611444840	<b>244</b>	9611445570	<b>265</b>	51	42.0	72	
9611440220	<b>258</b>	9611444850	<b>258</b>	9611445580	<b>283</b>	63.5	52.0	78	
9611440230	<b>382</b>	9611444860	<b>382</b>	9611445590	<b>420</b>	76.1	57.0	86	
9611410240	<b>588</b>	9611414870	<b>603</b>	9611415600	<b>646</b>	101.6	77.0	104	
<b>Two male parts</b>									
9611440360	<b>264</b>	9611444900	<b>258</b>	9611445630	<b>283</b>	25	32.5	84	
9611440100	<b>264</b>	9611444910	<b>264</b>	9611445640	<b>296</b>	38	32.5	87	
9611440110	<b>288</b>	9611444920	<b>288</b>	9611445650	<b>324</b>	51	42.0	92	
9611440120	<b>365</b>	9611444930	<b>365</b>	9611445660	<b>405</b>	63.5	52.0	102	
9611440130	<b>469</b>	9611444940	<b>469</b>	9611445670	<b>524</b>	76.1	57.0	110	
9611410140	<b>705</b>	9611414950	<b>705</b>	9611415680	<b>774</b>	101.6	77.0	128	
<b>Male part - nut and liner</b>									
9611440390	<b>262</b>	9611444980	<b>262</b>	9611445710	<b>295</b>	25	32.5	96.5	
9611440150	<b>270</b>	9611444990	<b>276</b>	9611445720	<b>300</b>	38	32.5	92.0	
9611440160	<b>294</b>	9611445000	<b>294</b>	9611445730	<b>320</b>	51	42.0	103.0	
9611440170	<b>389</b>	9611445010	<b>397</b>	9611445740	<b>428</b>	63.5	52.0	110.0	
9611440180	<b>512</b>	9611445020	<b>512</b>	9611445750	<b>558</b>	76.1	57.0	118.0	
9611410190	<b>807</b>	9611415030	<b>807</b>	9611415760	<b>905</b>	101.6	77.0	136.0	

NOTE! Other combinations on request. Operating parts, handles and actuators please see later this chapter.

Item No.	PPL EUR	Item No.	PPL EUR	Item No.	PPL EUR	Size	Dimension (mm)		
Silicone (Q)		EPDM		FPM		ISO DN/OD	E	H <sub>3</sub>	Male part/Welding ends
9611442400	<b>284</b>	9611445060	<b>278</b>	9611445790	<b>312</b>	25	32.5	65.5	
9611442410	<b>283</b>	9611445070	<b>283</b>	9611445800	<b>317</b>	38	32.5	67.0	
9611442420	<b>296</b>	9611445080	<b>296</b>	9611445810	<b>326</b>	51	42.0	72.0	
9611442430	<b>309</b>	9611445090	<b>309</b>	9611445820	<b>347</b>	63.5	52.0	78.0	
9611442440	<b>396</b>	9611445100	<b>396</b>	9611445830	<b>448</b>	76.1	57.0	86.0	
9611412450	<b>705</b>	9611415110	<b>705</b>	9611415840	<b>791</b>	101.6	77.0	104.0	
<b>Two male parts</b>									
9611442470	<b>310</b>	9611445150	<b>310</b>	9611445870	<b>349</b>	25	32.5	84	
9611442480	<b>319</b>	9611445160	<b>319</b>	9611445880	<b>352</b>	38	32.5	87	
9611442490	<b>333</b>	9611445170	<b>333</b>	9611445890	<b>374</b>	51	42.0	92	
9611442500	<b>440</b>	9611445180	<b>433</b>	9611445900	<b>493</b>	63.5	52.0	102	
9611442510	<b>515</b>	9611445190	<b>515</b>	9611445910	<b>562</b>	76.1	57.0	110	
9611412520	<b>838</b>	9611415200	<b>853</b>	9611415920	<b>941</b>	101.6	77.0	128	
<b>Male part - nut and liner</b>									
9611442540	<b>323</b>	9611445230	<b>330</b>	9611445950	<b>361</b>	25	32.5	96.5	
9611442550	<b>327</b>	9611445240	<b>327</b>	9611445960	<b>368</b>	38	32.5	92.0	
9611442560	<b>355</b>	9611445250	<b>361</b>	9611445970	<b>394</b>	51	42.0	103.0	
9611442570	<b>467</b>	9611445260	<b>467</b>	9611445980	<b>521</b>	63.5	52.0	110.0	
9611442580	<b>607</b>	9611445270	<b>617</b>	9611445990	<b>678</b>	76.1	57.0	118.0	
9611412590	<b>973</b>	9611415280	<b>993</b>	9611416000	<b>1090</b>	101.6	77.0	136.0	

NOTE! Other combinations on request. Operating parts, handles and actuators please see later this chapter.

Item No.	PPL EUR	Item No.	PPL EUR	Item No.	PPL EUR	Size	Dimension (mm)		Male part/Welding ends
Silicone (Q)		EPDM		FPM		ISO DN/OD	E	H <sub>3</sub>	
9611440333	<b>231</b>	9611444823	<b>235</b>	9611445553	<b>259</b>	25	32.5	69.2	
9611440203	<b>236</b>	9611444833	<b>236</b>	9611445563	<b>266</b>	38	32.5	69.2	
9611440213	<b>244</b>	9611444843	<b>244</b>	9611445573	<b>271</b>	51	42.0	74.2	
9611440223	<b>258</b>	9611444853	<b>258</b>	9611445583	<b>287</b>	63.5	52.0	76.2	
9611440233	<b>382</b>	9611444863	<b>382</b>	9611445593	<b>428</b>	76.1	57.0	84.2	
9611410243	<b>588</b>	9611414873	<b>588</b>	9611415603	<b>659</b>	101.6	77.0	107.0	
<b>Two male parts</b>									
9611440363	<b>258</b>	9611444903	<b>258</b>	9611445633	<b>287</b>	25	32.5	91.4	
9611440103	<b>264</b>	9611444913	<b>264</b>	9611445643	<b>293</b>	38	32.5	91.4	
9611440113	<b>288</b>	9611444923	<b>288</b>	9611445653	<b>324</b>	51	42.0	96.4	
9611440123	<b>365</b>	9611444933	<b>365</b>	9611445663	<b>405</b>	63.5	52.0	98.4	
9611440133	<b>469</b>	9611444943	<b>469</b>	9611445673	<b>524</b>	76.1	57.0	106.4	
9611410143	<b>705</b>	9611414953	<b>705</b>	9611415683	<b>791</b>	101.6	77.0	134.0	
<b>Male part - nut and liner</b>									
9611440393	<b>262</b>	9611444983	<b>262</b>	9611445713	<b>295</b>	25	32.5	102.2	
9611440153	<b>270</b>	9611444993	<b>270</b>	9611445723	<b>297</b>	38	32.5	102.2	
9611440163	<b>294</b>	9611445003	<b>294</b>	9611445733	<b>320</b>	51	42.0	107.2	
9611440173	<b>389</b>	9611445013	<b>389</b>	9611445743	<b>439</b>	63.5	52.0	109.2	
9611440183	<b>512</b>	9611445023	<b>512</b>	9611445753	<b>558</b>	76.1	57.0	117.2	
9611410193	<b>807</b>	9611415033	<b>825</b>	9611415763	<b>905</b>	101.6	77.0	152.4	

NOTE! Other combinations on request. Operating parts, handles and actuators please see later this chapter.

# LKB Automatic or Manual Butterfly Valve

Butterfly valves

Product code: 5207

Material: 1.4404 (316L)  
Connection: BS

2.2

Item No.	PPL EUR	Item No.	PPL EUR	Item No.	PPL EUR	Size	Dimension (mm)		Male part/Welding ends
							E	H <sub>3</sub>	
Silicone (Q)		EPDM		FPM		ISO DN/OD	E	H <sub>3</sub>	
9611442403	<b>284</b>	9611445063	<b>278</b>	9611445793	<b>304</b>	25	32.5	69.2	
9611442413	<b>283</b>	9611445073	<b>283</b>	9611445803	<b>317</b>	38	32.5	69.2	
9611442423	<b>296</b>	9611445083	<b>296</b>	9611445813	<b>326</b>	51	42	74.2	
9611442433	<b>309</b>	9611445093	<b>309</b>	9611445823	<b>340</b>	63.5	52	76.2	
9611442443	<b>396</b>	9611445103	<b>396</b>	9611445833	<b>438</b>	76.1	57	84.2	
9611412453	<b>705</b>	9611415113	<b>705</b>	9611415843	<b>774</b>	101.6	77	107.0	
<b>Two male parts</b>									
9611442473	<b>310</b>	9611445153	<b>310</b>	9611445873	<b>342</b>	25	32.5	91.4	
9611442483	<b>319</b>	9611445163	<b>319</b>	9611445883	<b>346</b>	38	32.5	91.4	
9611442493	<b>333</b>	9611445173	<b>333</b>	9611445893	<b>365</b>	51	42	96.4	
9611442503	<b>440</b>	9611445183	<b>440</b>	9611445903	<b>482</b>	63.5	52	98.4	
9611442513	<b>515</b>	9611445193	<b>515</b>	9611445913	<b>562</b>	76.1	57	106.4	
9611412523	<b>838</b>	9611415203	<b>838</b>	9611415923	<b>941</b>	101.6	77	134.0	
<b>Male part - nut and liner</b>									
9611442543	<b>323</b>	9611445233	<b>323</b>	9611445953	<b>361</b>	25	32.5	102.2	
9611442553	<b>327</b>	9611445243	<b>327</b>	9611445963	<b>360</b>	38	32.5	102.2	
9611442563	<b>355</b>	9611445253	<b>355</b>	9611445973	<b>388</b>	51	42	107.2	
9611442573	<b>467</b>	9611445263	<b>467</b>	9611445983	<b>521</b>	63.5	52	109.2	
9611442583	<b>607</b>	9611445273	<b>607</b>	9611445993	<b>678</b>	76.1	57	117.2	
9611412593	<b>973</b>	9611415283	<b>975</b>	9611416003	<b>1090</b>	101.6	77	152.4	

NOTE! Other combinations on request. Operating parts, handles and actuators please see later this chapter.

Product code: 5207

Material: See below  
 Connection: ISO Clamp  
 Inside surface finish: Ra ≤ 0.8 μm

Item No.	PPL EUR	Item No.	PPL EUR	Item No.	PPL EUR	Size	Dimension (mm)			
Silicone (Q)		EPDM		FPM		ISO DN/OD	E	H <sub>3</sub>	Welding/Clamp 1.4307 (304L)	
9612924001	<b>206</b>	9612924007	<b>200</b>	9612924013	<b>218</b>	25	32.5	68.5		
9612924002	<b>216</b>	9612924008	<b>216</b>	9612924014	<b>238</b>	38	32.5	68.5		
9612924003	<b>235</b>	9612924009	<b>235</b>	9612924015	<b>258</b>	51	42.0	73.5		
9612924004	<b>281</b>	9612924010	<b>257</b>	9612924016	<b>287</b>	63.5	52.0	75.5		
9612924005	<b>332</b>	9612924011	<b>325</b>	9612924017	<b>365</b>	76.1	57.0	83.5		
9612924006	<b>493</b>	9612924012	<b>493</b>	9612924018	<b>543</b>	101.6	77.0	101.5		
<b>Welding/Clamp - 1.4404 (316L)</b>										
9612924019	<b>215</b>	9612924025	<b>215</b>	9612924031	<b>219</b>	25	32.5	68.5		
9612924020	<b>258</b>	9612924026	<b>252</b>	9612924032	<b>277</b>	38	32.5	68.5		
9612924021	<b>267</b>	9612924027	<b>261</b>	9612924033	<b>288</b>	51	42.0	73.5		
9612924022	<b>351</b>	9612924028	<b>345</b>	9612924034	<b>382</b>	63.5	52.0	75.5		
9612924023	<b>450</b>	9612924029	<b>441</b>	9612924035	<b>458</b>	76.1	57.0	83.5		
9612924024	<b>645</b>	9612924030	<b>632</b>	9612924036	<b>698</b>	101.6	77.0	101.5		
<b>Clamp/Clamp - 1.4307 (304L)</b>										
9611440365	<b>236</b>	9611444905	<b>236</b>	9611445635	<b>260</b>	25	32.5	90		
9611440105	<b>261</b>	9611444915	<b>261</b>	9611445645	<b>280</b>	38	32.5	90		
9611440115	<b>281</b>	9611444925	<b>281</b>	9611445655	<b>309</b>	51	42.0	95		
9611440125	<b>339</b>	9611444935	<b>339</b>	9611445665	<b>373</b>	63.5	52.0	97		
9611440135	<b>502</b>	9611444945	<b>502</b>	9611445675	<b>552</b>	76.1	57.0	105		
9611410145	<b>705</b>	9611414955	<b>705</b>	9611415685	<b>774</b>	101.6	77.0	123		
9613434440	<b>2210</b>	9613434441	<b>2210</b>	9613434442	<b>2561</b>	152.0	104.0	156.2		
<b>HNBR</b> <b>PFA</b> <b>Clamp/Clamp - 1.4307 (304L)</b>										
9613434401	<b>247</b>	Not available				25	32.5	90		
9613434402	<b>271</b>	9613434412	<b>474</b>			38	32.5	90		
9613434403	<b>293</b>	9613434413	<b>535</b>			51	42.0	95		
9613434404	<b>352</b>	9613434414	<b>632</b>			63.5	52.0	97		
9613434405	<b>521</b>	9613434415	<b>854</b>			76.1	57.0	105		
9613434406	<b>728</b>	9613434416	<b>1132</b>			101.6	77.0	123		
9613434407	<b>2432</b>	Not available				152	104.0	156.2		

\* = On request

NOTE! Other combinations on request. Operating parts, handles and actuators please see later this chapter.

# LKB Automatic or Manual Butterfly Valve

# Butterfly valves

Product code: 5207

Material: See below  
 Connection: ISO Clamp  
 Inside surface finish: Ra ≤ 0.8 μm

2.2

Item No.	PPL EUR	Item No.	PPL EUR	Item No.	PPL EUR	Size	Dimension (mm)		
<b>Silicone (Q)</b>		<b>EPDM</b>		<b>FPM</b>		<b>ISO DN/OD</b>	<b>Clamp/Clamp - 1.4404 (316L)</b>		
9611442475	<b>261</b>	9611445155	<b>261</b>	9611445875	<b>288</b>	25	32.5	90	<p>TO 403-162</p>
9611442485	<b>304</b>	9611445165	<b>304</b>	9611445885	<b>336</b>	38	32.5	90	
9611442495	<b>320</b>	9611445175	<b>320</b>	9611445895	<b>352</b>	51	42.0	95	
9611442505	<b>386</b>	9611445185	<b>386</b>	9611445905	<b>427</b>	63.5	52.0	97	
9611442515	<b>557</b>	9611445195	<b>557</b>	9611445915	<b>614</b>	76.1	57.0	105	
9611412525	<b>838</b>	9611415205	<b>838</b>	9611415925	<b>921</b>	101.6	77.0	123	
9613434443	<b>2779</b>	9613434444	<b>2724</b>	9613434445	<b>2773</b>	152.0	104.0	156.2	
<b>HNBR</b>		<b>PFA</b>					<b>Clamp/Clamp - 1.4404 (316L)</b>		
9613434421	<b>271</b>	Not available				25	32.5	90	<p>TO 403-162</p>
9613434422	<b>314</b>	9613434432	<b>532</b>			38	32.5	90	
9613434423	<b>333</b>	9613434433	<b>591</b>			51	42.0	95	
9613434424	<b>399</b>	9613434434	<b>698</b>			63.5	52.0	97	
9613434425	<b>575</b>	9613434435	<b>936</b>			76.1	57.0	105	
9613434426	<b>859</b>	9613434436	<b>1276</b>			101.6	77.0	123	
9613434427	<b>2841</b>	Not available				152.0	104.0	156.2	

\* = On request

NOTE! Other combinations on request. Operating parts, handles and actuators please see later this chapter.



Product code: 5202

Material: 1.4307 (304L)  
Connection: DIN Welding ends  
Inside surface finish: Ra ≤ 0.8 μm

Item No.	PPL EUR	Item No.	PPL EUR	Item No.	PPL EUR	Size	Dimension (mm)		
							E	H <sub>1</sub>	
<b>Silicone (Q)</b>		<b>EPDM</b>		<b>FPM</b>		<b>DIN DN</b>			
9612075001	<b>151</b>	9612075015	<b>151</b>	9612075029	<b>164</b>	25	33.3	47	
9612075002	<b>172</b>	9612075016	<b>172</b>	9612075030	<b>192</b>	32	33.3	47	
9612075003	<b>159</b>	9612075017	<b>159</b>	9612075031	<b>170</b>	40	37.7	47	
9612075004	<b>170</b>	9612075018	<b>170</b>	9612075032	<b>186</b>	50	46.6	52	
9612075005	<b>209</b>	9612075019	<b>209</b>	9612075033	<b>231</b>	65	57.3	62	
9612075006	<b>300</b>	9612075020	<b>300</b>	9612075034	<b>327</b>	80	63.0	64	
9612075007	<b>373</b>	9612075021	<b>373</b>	9612075035	<b>409</b>	100	77.0	80	
9612075043	<b>930</b>	9612075045	<b>930</b>	9612075047	<b>1021</b>	125	96.7	110	
9611412390	<b>1190</b>	9611414730	<b>1190</b>	9611414810	<b>1309</b>	150	104.0	80	
<b>HNBR</b>		<b>PFA</b>							
9613419001	<b>164</b>	Not available				25	33.3	47	
9613419002	<b>183</b>	Not available				32	33.3	47	
9613419003	<b>170</b>	9612943209	<b>382</b>			40	37.7	47	
9613419004	<b>181</b>	9612943210	<b>441</b>			50	46.6	52	
9613419005	<b>225</b>	9612943211	<b>521</b>			65	57.3	62	
9613419006	<b>316</b>	9612943212	<b>663</b>			80	63.0	64	
9613419007	<b>394</b>	9612943213	<b>812</b>			100	77.0	80	
9613419008	<b>993</b>	Not available				125	96.7	110	
9613419009	<b>1376</b>	Not available				150	104.0	80	

NOTE! Other combinations on request. Operating parts, handles and actuators please see later this chapter.

# LKB-2 Butterfly Valve

# Butterfly valves

Product code: 5202

Material: 1.4404 (316L)  
 Connection: DIN Welding ends  
 Inside surface finish: Ra ≤ 0.8 μm

2.2

Item No.	PPL EUR	Item No.	PPL EUR	Item No.	PPL EUR	Size	Dimension (mm)		
Silicone (Q)		EPDM		FPM		DIN DN	E	H <sub>1</sub>	
9612075008	193	9612075022	193	9612075036	213	25	33.3	47	
9612075009	221	9612075023	221	9612075037	247	32	33.3	47	
9612075010	205	9612075024	205	9612075038	225	40	37.7	47	
9612075011	225	9612075025	225	9612075039	247	50	46.6	52	
9612075012	270	9612075026	270	9612075040	297	65	57.3	62	
9612075013	385	9612075027	385	9612075041	425	80	63.0	64	
9612075014	487	9612075028	487	9612075042	535	100	77.0	80	
9612075044	1050	9612075046	1050	9612075048	1153	125	96.7	110	
9611412391	1387	9611414731	1387	9611414811	1523	150	104.0	80	
HNBR		PFA							
9613419010	205	Not available				25	33.3	47	
9613419011	232	Not available				32	33.3	47	
9613419012	216	9612943221	422			40	37.7	47	
9613419013	236	9612943222	490			50	46.6	52	
9613419014	285	9612943223	578			65	57.3	62	
9613419015	401	9612943224	758			80	63.0	64	
9613419016	508	9612943225	918			100	77.0	80	
9613419017	1113	Not available				125	96.7	110	
9613419018	1573	Not available				150	104.0	80	

NOTE! Other combinations on request. Operating parts, handles and actuators please see later this chapter.

Item No.	PPL EUR	Item No.	PPL EUR	Item No.	PPL EUR	Size	Dimension (mm)		
Silicone (Q)		EPDM		FPM		DIN DN	E	H <sub>1</sub>	
9613433001	1118	9613433002	1094	9613433003	1224	125	96.7	110	
9613433101	1432	9613433102	1432	9613433103	1567	150	104.0	80	
HNBR									
9613433004	1290					125	96.7	110	
9613433104	1651					150	104.0	80	

\* Including 3.1 Certificate on all product wetted steel parts and FDA conformity documentation on all product wetted rubber materials.

Item No.	PPL EUR	Item No.	PPL EUR	Item No.	PPL EUR	Size	Dimension (mm)		
Silicone (Q)		EPDM		FPM		DIN DN	E	H <sub>3</sub>	Male part/Welding ends
9612075101	163	9612075115	163	9612075129	177	25	33.3	63.5	
9612075102	203	9612075116	203	9612075130	225	32	33.3	63.5	
9612075103	172	9612075117	172	9612075131	187	40	37.7	60.5	
9612075104	186	9612075118	186	9612075132	208	50	46.6	63.0	
9612075105	229	9612075119	229	9612075133	252	65	57.3	74.0	
9612075106	327	9612075120	327	9612075134	360	80	63.0	80.0	
9612075107	414	9612075121	414	9612075135	453	100	77.0	91.0	
9612075143	957	9612075145	957	9612075147	1048	125	96.7	110.0	
HNBR		PFA							
9612075149	175	Not available				25	33.3	63.5	
9612075150	215	Not available				32	33.3	63.5	
9612075151	184	9612075169	395			40	37.7	60.5	
9612075152	197	9612075170	457			50	46.6	63.0	
9612075153	245	9612075171	541			65	57.3	74.0	
9612075154	343	9612075172	700			80	63.0	80.0	
9612075155	434	9612075173	852			100	77.0	91.0	
9612075156	1022	Not available				125	96.7	110.0	
Two male parts									
9612075201	170	9612075215	170	9612075229	186	25	33.3	80	
9612075202	213	9612075216	213	9612075230	225	32	33.3	80	
9612075203	180	9612075217	180	9612075231	198	40	37.7	74	
9612075204	200	9612075218	200	9612075232	216	50	46.6	74	
9612075205	239	9612075219	239	9612075233	262	65	57.3	86	
9612075206	345	9612075220	345	9612075234	381	80	63.0	96	
9612075207	473	9612075221	473	9612075235	518	100	77.0	102	
9612075243	1179	9612075245	1179	9612075247	1296	125	96.7	110	
Male part - nut and liner									
9612075301	221	9612075315	221	9612075329	247	25	33.3	85.5	
9612075302	268	9612075316	268	9612075330	297	32	33.3	88.5	
9612075303	252	9612075317	252	9612075331	277	40	37.7	86.5	
9612075304	268	9612075318	268	9612075332	297	50	46.6	91.0	
9612075305	310	9612075319	310	9612075333	342	65	57.3	106.0	
9612075306	506	9612075320	506	9612075334	555	80	63.0	117.0	
9612075307	630	9612075321	630	9612075335	695	100	77.0	135.0	
9612075343	1288	9612075345	1288	9612075347	1419	125	96.7	144.0	
Welding ends/Nut and liner									
9611904210	215	9611904230	215	9611904220	215	25	33.3	69	
9611904211	257	9611904231	257	9611904221	263	32	33.3	72	
9611904212	244	9611904232	244	9611904222	246	40	37.7	73	
9611904213	260	9611904233	260	9611904223	287	50	46.6	80	
9611904214	296	9611904234	296	9611904224	296	65	57.3	94	
9611904215	441	9611904235	482	9611904225	488	80	63.0	101	
9611904216	541	9611904236	580	9611904226	594	100	77.0	124	

NOTE! Other combinations on request. Operating parts, handles and actuators please see later this chapter.

# LKB-2 Butterfly Valve

Butterfly valves

Product code: 5206

Material: 1.4404 (316L)  
Connection: DIN

2.2

Item No.	PPL EUR	Item No.	PPL EUR	Item No.	PPL EUR	Size	Dimension (mm)		
Silicone (Q)		EPDM		FPM		DIN DN	E	H <sub>3</sub>	Male part/Welding ends
9612075108	<b>213</b>	9612075122	<b>213</b>	9612075136	<b>235</b>	25	33.3	63.5	
9612075109	<b>261</b>	9612075123	<b>261</b>	9612075137	<b>288</b>	32	33.3	63.5	
9612075110	<b>248</b>	9612075124	<b>248</b>	9612075138	<b>268</b>	40	37.7	60.5	
9612075111	<b>247</b>	9612075125	<b>247</b>	9612075139	<b>267</b>	50	46.6	63.0	
9612075112	<b>300</b>	9612075126	<b>300</b>	9612075140	<b>327</b>	65	57.3	74.0	
9612075113	<b>427</b>	9612075127	<b>427</b>	9612075141	<b>467</b>	80	63.0	80.0	
9612075114	<b>556</b>	9612075128	<b>556</b>	9612075142	<b>613</b>	100	77.0	91.0	
9612075144	<b>1348</b>	9612075146	<b>1348</b>	9612075148	<b>1482</b>	125	96.7	110.0	
<b>HNBR</b>									
<b>PFA</b>									
9612075158	<b>225</b>	Not available				25	33.3	63.5	
9612075159	<b>272</b>	Not available				32	33.3	63.5	
9612075160	<b>260</b>	9612075178	<b>472</b>			40	37.7	60.5	
9612075161	<b>258</b>	9612075179	<b>518</b>			50	46.6	63.0	
9612075162	<b>316</b>	9612075180	<b>612</b>			65	57.3	74.0	
9612075163	<b>443</b>	9612075181	<b>800</b>			80	63.0	80.0	
9612075164	<b>577</b>	9612075182	<b>994</b>			100	77.0	91.0	
9612075165	<b>1412</b>	Not available				125	96.7	110.0	
<b>Two male parts</b>									
9612075208	<b>225</b>	9612075222	<b>225</b>	9612075236	<b>247</b>	25	33.3	80	
9612075209	<b>277</b>	9612075223	<b>277</b>	9612075237	<b>301</b>	32	33.3	80	
9612075210	<b>260</b>	9612075224	<b>260</b>	9612075238	<b>284</b>	40	37.7	74	
9612075211	<b>270</b>	9612075225	<b>270</b>	9612075239	<b>300</b>	50	46.6	74	
9612075212	<b>333</b>	9612075226	<b>333</b>	9612075240	<b>363</b>	65	57.3	86	
9612075213	<b>493</b>	9612075227	<b>493</b>	9612075241	<b>539</b>	80	63.0	96	
9612075214	<b>613</b>	9612075228	<b>613</b>	9612075242	<b>673</b>	100	77.0	102	
9612075244	<b>1381</b>	9612075246	<b>1381</b>	9612075248	<b>1517</b>	125	96.7	110	
<b>Male part - nut and liner</b>									
9612075308	<b>261</b>	9612075322	<b>261</b>	9612075336	<b>288</b>	25	33.3	85.5	
9612075309	<b>310</b>	9612075323	<b>310</b>	9612075337	<b>342</b>	32	33.3	88.5	
9612075310	<b>296</b>	9612075324	<b>296</b>	9612075338	<b>326</b>	40	37.7	86.5	
9612075311	<b>319</b>	9612075325	<b>319</b>	9612075339	<b>349</b>	50	46.6	91.0	
9612075312	<b>385</b>	9612075326	<b>385</b>	9612075340	<b>425</b>	65	57.3	106.0	
9612075313	<b>603</b>	9612075327	<b>603</b>	9612075341	<b>659</b>	80	63.0	117.0	
9612075314	<b>815</b>	9612075328	<b>815</b>	9612075342	<b>895</b>	100	77.0	135.0	
9612075344	<b>1672</b>	9612075346	<b>1672</b>	9612075348	<b>1840</b>	125	96.7	144.0	
<b>Welding ends/Nut and liner</b>									
9611904240	<b>232</b>	9611904260	<b>247</b>	9611904250	<b>268</b>	25	33.3	69	
9611904241	<b>284</b>	9611904261	<b>304</b>	9611904251	<b>315</b>	32	33.3	72	
9611904242	<b>270</b>	9611904262	<b>291</b>	9611904252	<b>319</b>	40	37.7	73	
9611904243	<b>293</b>	9611904263	<b>314</b>	9611904253	<b>321</b>	50	46.6	80	
9611904244	<b>320</b>	9611904264	<b>343</b>	9611904254	<b>354</b>	65	57.3	94	
9611904245	<b>511</b>	9611904265	<b>549</b>	9611904255	<b>678</b>	80	63.0	101	
9611904246	<b>729</b>	9611904266	<b>781</b>	9611904256	<b>800</b>	100	77.0	124	

NOTE! Other combinations on request. Operating parts, handles and actuators please see later this chapter.

Product code: 5206

Material: 1.4307 (304L)  
 Connection: Clamp/Clamp  
 Inside surface finish: Ra ≤ 0.8 μm

Item No.	PPL EUR	Item No.	PPL EUR	Item No.	PPL EUR	Size	Dimension (mm)		Clamp/Clamp
Silicone (Q)		EPDM		FPM		DIN DN	E	H <sub>3</sub>	
9614290601	170	9614290619	170	9614290637	186	DN25	33.3	90	
9614290602	213	9614290620	213	9614290638	225	DN32	33.3	90	
9614290603	180	9614290621	180	9614290639	198	DN40	37.7	90	
9614290604	201	9614290622	201	9614290640	216	DN50	46.6	95	
9614290605	239	9614290623	239	9614290641	263	DN65	57.3	118	
9614290606	345	9614290624	345	9614290642	381	DN80	63.0	120	
9614290607	473	9614290625	473	9614290643	518	DN100	77.0	136	
9614290608	1179	9614290626	1179	9614290644	1296	DN125	96.7	166	
9614290609	1634	9614290627	1634	9614290645	1795	DN150	104.0	136	
HNBR		PFA							
9614290655	182	Not available	N/A			DN25	33.3	90	
9614290656	225	Not available	N/A			DN32	33.3	90	
9614290657	192	9614290675	404			DN40	37.7	90	
9614290658	211	9614290676	472			DN50	46.6	95	
9614290659	255	9614290677	551			DN65	57.3	118	
9614290660	361	9614290678	708			DN80	63.0	120	
9614290661	493	9614290679	912			DN100	77.0	136	
9614290662	1243	Not available	N/A			DN125	96.7	166	
9614290663	1721	Not available	N/A			DN150	104.0	136	

NOTE! Other combinations on request. Operating parts, handles and actuators please see later this chapter.

# LKB-2 Butterfly Valve

# Butterfly valves

2.2

Product code: 5206

Material: 1.4404 (316L)  
 Connection: Clamp/Clamp  
 Inside surface finish: Ra ≤ 0.8 μm

Item No.	PPL EUR	Item No.	PPL EUR	Item No.	PPL EUR	Size	Dimension (mm)		Clamp/Clamp
Silicone (Q)		EPDM		FPM		DIN DN	E	H <sub>3</sub>	
9614290610	<b>225</b>	9614290628	<b>225</b>	9614290646	<b>246</b>	DN25	33.3	90	
9614290611	<b>277</b>	9614290629	<b>277</b>	9614290647	<b>302</b>	DN32	33.3	90	
9614290612	<b>260</b>	9614290630	<b>260</b>	9614290648	<b>284</b>	DN40	37.7	90	
9614290613	<b>270</b>	9614290631	<b>270</b>	9614290649	<b>300</b>	DN50	46.6	95	
9614290614	<b>333</b>	9614290632	<b>333</b>	9614290650	<b>364</b>	DN65	57.3	118	
9614290615	<b>493</b>	9614290633	<b>493</b>	9614290651	<b>540</b>	DN80	63.0	120	
9614290616	<b>613</b>	9614290634	<b>613</b>	9614290652	<b>674</b>	DN100	77.0	136	
9614290617	<b>1381</b>	9614290635	<b>1381</b>	9614290653	<b>2882</b>	DN125	96.7	166	
9614290618	<b>1826</b>	9614290636	<b>1826</b>	9614290654	<b>2005</b>	DN150	104.0	136	
<b>HNBR</b>									
		<b>PFA</b>							
9614290664	<b>238</b>	Not available	<b>N/A</b>			DN25	33.3	90	
9614290665	<b>287</b>	Not available	<b>N/A</b>			DN32	33.3	90	
9614290666	<b>271</b>	9614290684	<b>483</b>			DN40	37.7	90	
9614290667	<b>280</b>	9614290685	<b>541</b>			DN50	46.6	95	
9614290668	<b>349</b>	9614290686	<b>645</b>			DN65	57.3	118	
9614290669	<b>509</b>	9614290687	<b>857</b>			DN80	63	120	
9614290670	<b>633</b>	9614290688	<b>1052</b>			DN100	77	136	
9614290671	<b>1445</b>	Not available	<b>N/A</b>			DN125	96.7	166	
9614290672	<b>1910</b>	Not available	<b>N/A</b>			DN150	104	136	

NOTE! Other combinations on request. Operating parts, handles and actuators please see later this chapter.

Item No.	PPL EUR	Item No.	PPL EUR	Item No.	PPL EUR	Item No.	PPL EUR	Size		Dimension (mm)		Inch tube, 1.4307 (304L)
								ISO DN/OD	DIN DN	E	H <sub>2</sub>	
<b>Inch tube, 1.4307 (304L)</b>												
9612400041	<b>287</b>	9612400031	<b>287</b>	9612400051	<b>314</b>	9612400061	<b>318</b>	25		32.5	83	
9612400042	<b>296</b>	9612400032	<b>296</b>	9612400052	<b>323</b>	9612400062	<b>349</b>	38		32.5	83	
9612400043	<b>319</b>	9612400033	<b>319</b>	9612400053	<b>346</b>	9612400063	<b>372</b>	51		42.0	92	
9612400044	<b>407</b>	9612400034	<b>407</b>	9612400054	<b>446</b>	9612400064	<b>479</b>	63.5		52.0	92	
9612400045	<b>521</b>	9612400035	<b>521</b>	9612400055	<b>572</b>	9612400065	<b>593</b>	76.1		57.0	114	
9612400046	<b>673</b>	9612400036	<b>673</b>	9612400056	<b>741</b>	9612400066	<b>746</b>	101.6		77.0	132	
<b>Inch tube, 1.4404 (316L)</b>												
9612402741	<b>346</b>	9612402731	<b>346</b>	9612402751	<b>382</b>	9612402761	<b>410</b>	25		32.5	83	
9612402742	<b>355</b>	9612402732	<b>355</b>	9612402752	<b>388</b>	9612402762	<b>419</b>	38		32.5	83	
9612402743	<b>382</b>	9612402733	<b>382</b>	9612402753	<b>420</b>	9612402763	<b>447</b>	51		42.0	92	
9612402744	<b>482</b>	9612402734	<b>482</b>	9612402754	<b>533</b>	9612402764	<b>546</b>	63.5		52.0	92	
9612402745	<b>621</b>	9612402735	<b>621</b>	9612402755	<b>685</b>	9612402765	<b>687</b>	76.1		57.0	114	
9612402746	<b>813</b>	9612402736	<b>813</b>	9612402756	<b>894</b>	9612402766	<b>878</b>	101.6		77.0	132	
<b>DIN tube, 1.4307 (304L)</b>												
9612400011	<b>283</b>	9612400001	<b>283</b>	9612400021	<b>310</b>			25		33.3	83	
9612400012	<b>323</b>	9612400002	<b>323</b>	9612400022	<b>356</b>			32		33.3	83	
9612400013	<b>300</b>	9612400003	<b>300</b>	9612400023	<b>327</b>			40		37.7	83	
9612400014	<b>326</b>	9612400004	<b>326</b>	9612400024	<b>358</b>			50		46.6	92	
9612400015	<b>395</b>	9612400005	<b>395</b>	9612400025	<b>437</b>			65		57.3	114	
9612400016	<b>564</b>	9612400006	<b>564</b>	9612400026	<b>621</b>			80		63.0	116	
9612400017	<b>705</b>	9612400007	<b>705</b>	9612400027	<b>774</b>			100		77.0	132	
9612400018	<b>1537</b>	9612400008	<b>1537</b>	9612400028	<b>1687</b>			125		96.7	136	
9612400019	<b>2278</b>	9612400009	<b>2278</b>	9612400029	<b>2497</b>			150		104.0	152	
<b>DIN tube, 1.4404 (316L)</b>												
9612402711	<b>369</b>	9612402701	<b>369</b>	9612402721	<b>407</b>			25		33.3	83	
9612402712	<b>427</b>	9612402702	<b>427</b>	9612402722	<b>467</b>			32		33.3	83	
9612402713	<b>386</b>	9612402703	<b>386</b>	9612402723	<b>427</b>			40		37.7	83	
9612402714	<b>425</b>	9612402704	<b>425</b>	9612402724	<b>466</b>			50		46.6	92	
9612402715	<b>516</b>	9612402705	<b>516</b>	9612402725	<b>564</b>			65		57.3	114	
9612402716	<b>732</b>	9612402706	<b>732</b>	9612402726	<b>803</b>			80		63.0	116	
9612402717	<b>924</b>	9612402707	<b>924</b>	9612402727	<b>1538</b>			100		77.0	132	
9612402718	<b>2010</b>	9612402708	<b>2010</b>	9612402728	<b>2379</b>			125		96.7	136	
9612402719	<b>2631</b>	9612402709	<b>2631</b>	9612402729	<b>2904</b>			150		104.0	152	

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