

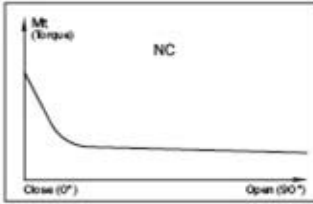
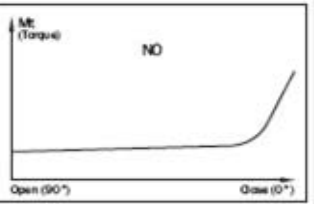
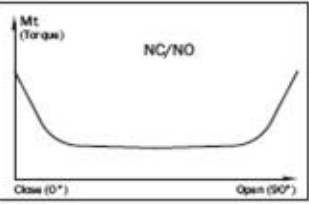
Description Pneumatic Actuators

	Mini	Standard	Reinforced	NC/NO
Square	9,5		9,5	9,5
BV DN125-200	X			
BV DN125-200				
BV DN125-200		X		

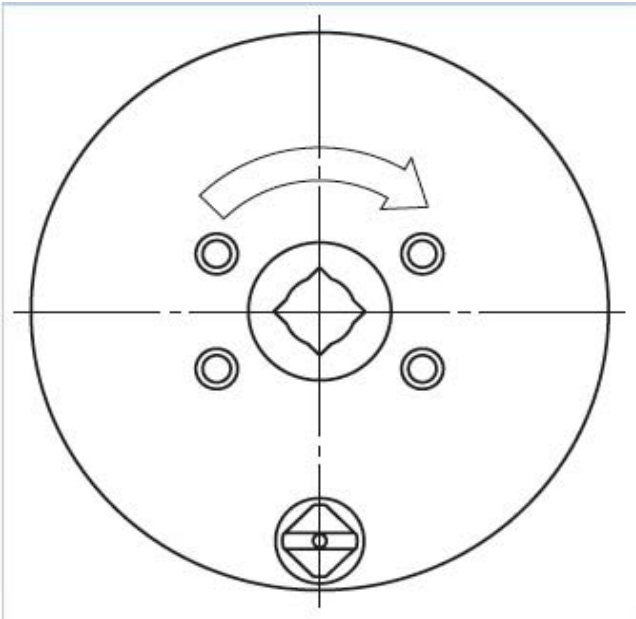
The torque to open or close the valve is mainly defined by the size, the sealing material, the product and the media temperature. Since the change in volume of an elastomer is about 10-times higher compared to steel, the increase of temperature entails an increase of the torque, too.

The elastomers of the butterfly valves contain materials, which reduce the surface friction. For the application of lubricating products (e.g. milk) the torque is reduced as well. Cleansing media wash out the low-friction substances on the surface of the seals, thus entailing an increase of the torque.

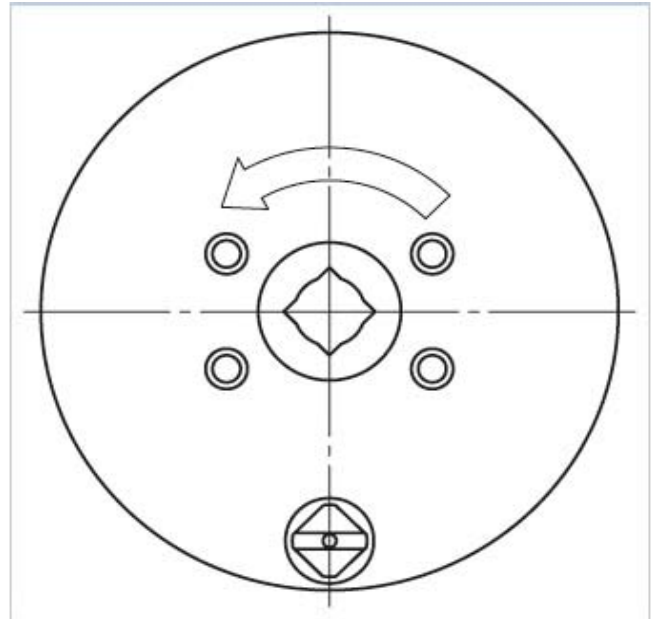
The butterfly valves are designed to be controlled by actuators at the max. permissible operating temperature. The actuators provide torque characteristics, which are adjusted to the torque curve of the butterfly valves. The media pressure has no influence on the switching behavior. However, high flow rates support the closing. Here, the speed has to be reduced by suitable means (throttle check valves in the compressed air line).

Type	NC (Normally Closed)	NO (Normally Open)	Reinforced
Functional Principles	A/S	A/S	A/S
Torque Curve	 <p style="text-align: center;">NC</p>	 <p style="text-align: center;">NO</p>	 <p style="text-align: center;">NC/NO</p>
Connection for Compressed Air	5 - 8 bar	5 - 8 bar	5 - 8 bar
Characteristics	An open valve requires low torque and upon immersion of the flap into the sealing the torque is significantly increased. In closed position the maximum torque is provided. The butterfly valves is closed in the initial position.	These actuators have exactly opposite torque curves compared to NC. The butterfly valves is open in the initial position.	This actuators has combined the torque characteristic of NC and NO. In both final positions the maximum torque is provided.

Clockwise
viewing the drive shank from below



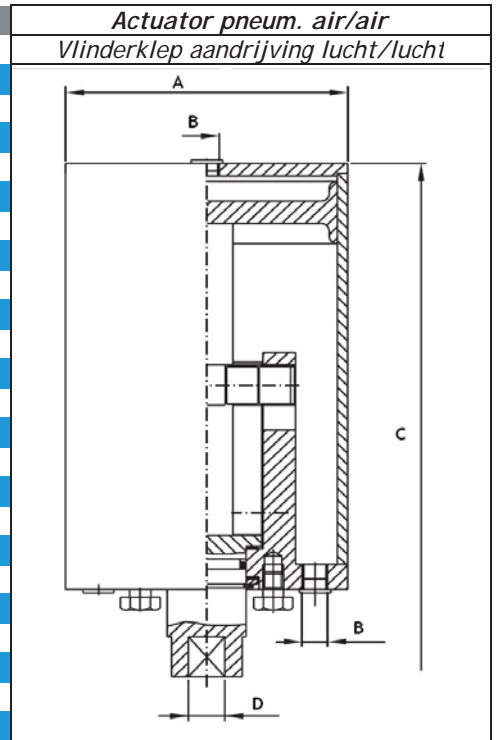
Counterclockwise
viewing the drive shank from below



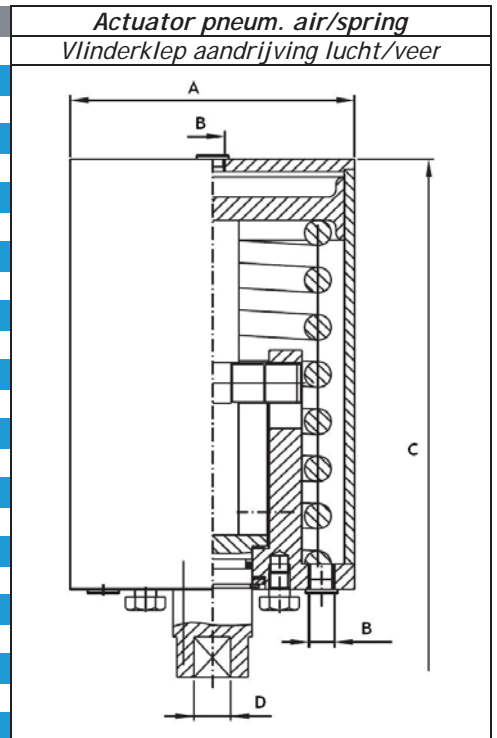
Note:
The position feedback has to be checked accordingly. Leakage valves can only be operated with a actuator that provides clockwise rotation!

Type	MINI	NC and NO	Air/Air
Functional Principles	A/S	A/S	A/A
Torque Curve			
Connection for Compressed Air	5 - 8 bar	5 - 8 bar	5 - 8 bar
Characteristics	This is a actuator with the torque characteristic NC	The torque curve is analogous to the reinforced design, yet on a lower level.	Due to the construction, the version air/air has a high torque at very low pressure. Typical application for T-butterfly valve.

NW	A	B	C	D	E
25	89,0	R 1/8"	236	9,5	
32	89,0	R 1/8"	238	9,5	
40	89,0	R 1/8"	241	9,5	
50	89,0	R 1/8"	247	9,5	
65	89,0	R 1/8"	256	9,5	
75/3"	89,0	R 1/8"	263	9,5	
80	89,0	R 1/8"	263	9,5	
100	89,0	R 1/8"	273	9,5	
125	129	R 1/8"	332	14	
150	129	R 1/8"	347	14	
200	129	R 1/8"	385	14	



NW	A	B	C	D	E
25	85	R 1/8"	226	9,5	
32	85	R 1/8"	228	9,5	
40	85	R 1/8"	231	9,5	
50	85	R 1/8"	237	9,5	
65	85	R 1/8"	246	9,5	
75/3"	85	R 1/8"	253	9,5	
80	85	R 1/8"	253	9,5	
100	85	R 1/8"	263	9,5	
125	129	R 1/8"	332	14	
150	129	R 1/8"	347	14	
200	129	R 1/8"	385	14	



Solid execution

25	104	R 1/8"	270	9,5	
32	104	R 1/8"	272	9,5	
40	104	R 1/8"	275	9,5	
50	104	R 1/8"	281	9,5	
65	104	R 1/8"	290	9,5	
75/3"	104	R 1/8"	297	9,5	
80	104	R 1/8"	297	9,5	
100	104	R 1/8"	307	9,5	

Mini execution

25 - 50	76	R 1/8"	-	9,5	
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