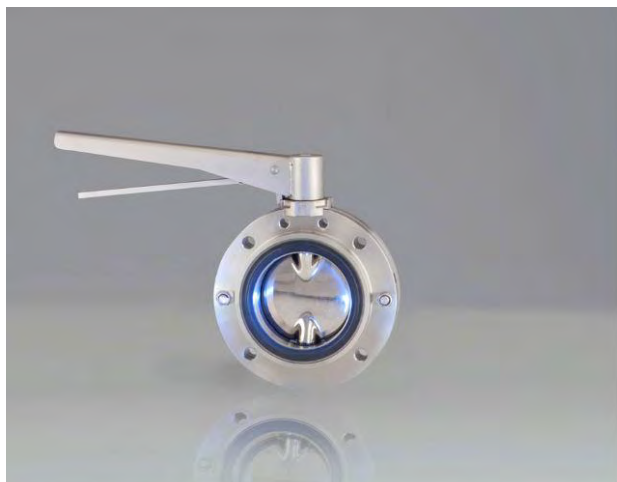


1 Butterfly Valve B



INFORMATION

The most important part of any valve or shut-off device is the seal. A safe, reliable production flow is only guaranteed if the product path can be connected and blocked again. To ensure that this is the case, EVOGUARD valves are subjected to extensive testing.

FEM analysis has been run on all valves to evaluate the structural performance of the seal and simulate the maximum load. From the user perspective, this means that the seal is as safe and reliable as possible, and material wear is kept to a minimum.

Extensive testing has been carried out on all of the components to verify the design. For example, the engineers assess the interaction between the seal and the housing or the valve disk, and they also look at the connection to the pneumatic actuator.

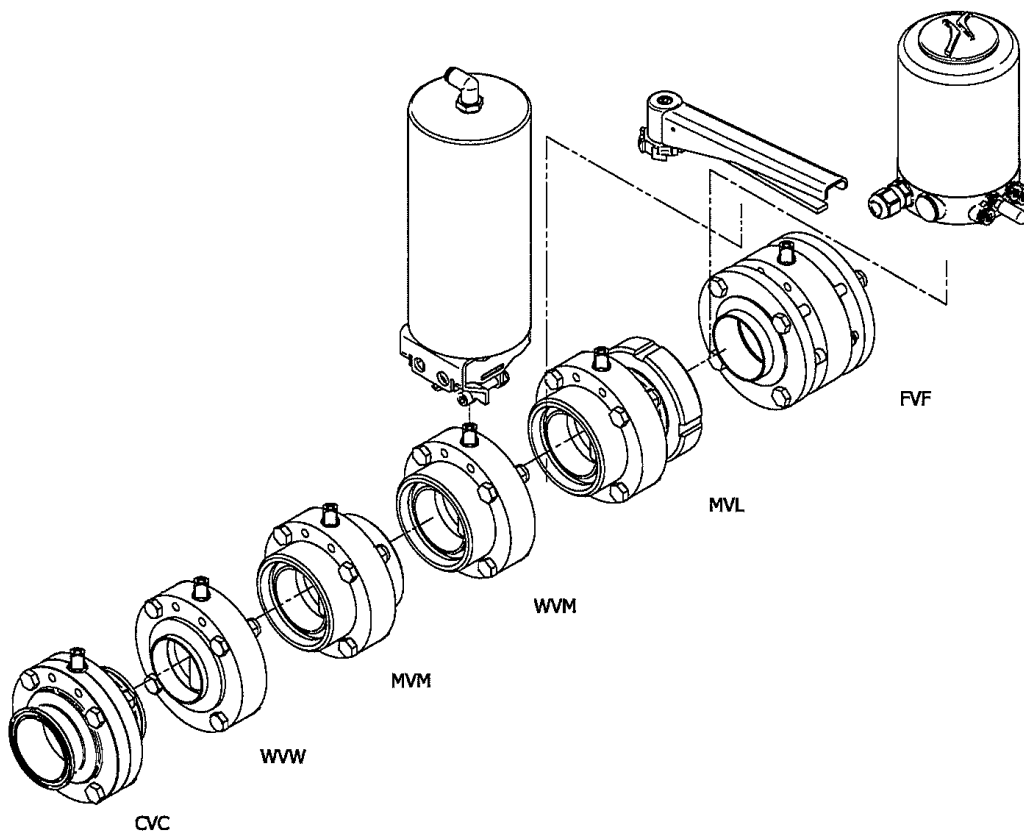
They pay special attention to safety-related features to ensure that personnel are able to safely handle the valves during production operation.

Design features of modular disk valves

- Seal flush against the housing, bevelled seat ensures that the disk opens and closes securely with minimal wear
- Welded, maintenance-free actuator, designed for 1,000,000 cycles
- Shape and composition of the elastomer in accordance with the current state of technology for a reliable sealing performance over the entire temperature range



Abbreviations for butterfly valve



Actuator: NC (spring closing / air opening)
NO (air closing / spring opening)
AA (air opening / air closing)
MA (manual)

Seal material: E (EPDM)
F (FKM)
H (HNBR)
V (VMQ)

Example for Description
Butterfly valve B DN80 WVM NC E

Connection: M (male part DIN 11851)
L (liner / nut DIN 11851)
C (clamp)
W (welded ends)
F (intermediate flange)
O (without counterflange)

Diameter

Type: B Butterfly valve
BR Butterfly control valve
BT Butterfly valve combination

TECHNICAL DATA

Pressures

Product pressure	PN 145 psi (10 bar) / vacuum -13.8 psi (-0.95 bar)
Housing	PN 231 psi (16 bar)
Control air pressure	min. 80 psi (5.5 bar) - max. 115 psi (8 bar)

Material

With product contact	1.4404 / AISI 316L
Without product contact	1.4301
Seal	EPDM / FDA Further materials available upon request

Surface

With product contact	Ra ≤ 0.8 µm
Without product contact	Ra ≤ 1.6 µm

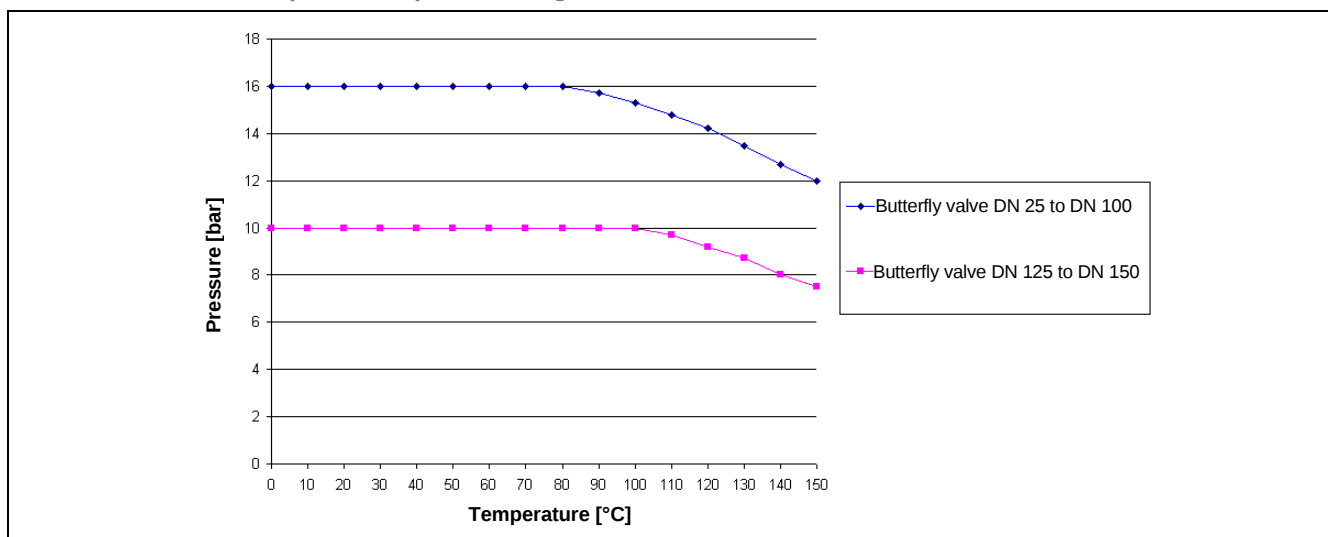
Flow coefficient

DN	25	40	50	65	80	100	125	150
KV in m ³ /h	22	78	180	380	602	960	1510	2000
CV in US gall / min	25.5	90.5	209	441	698	1114	1752	2320

Designs

Valve connection	Intermediate flange Welded end Thread/liner DIN 11851 Clamp ferrule DIN 32676
Actuator	Manual actuator Pneumatic actuator NC/NO Pneumatic actuator AA
Additional equipment	Control head / proximity switch M12x1 Extension / rotational stop / continuously variable locking device

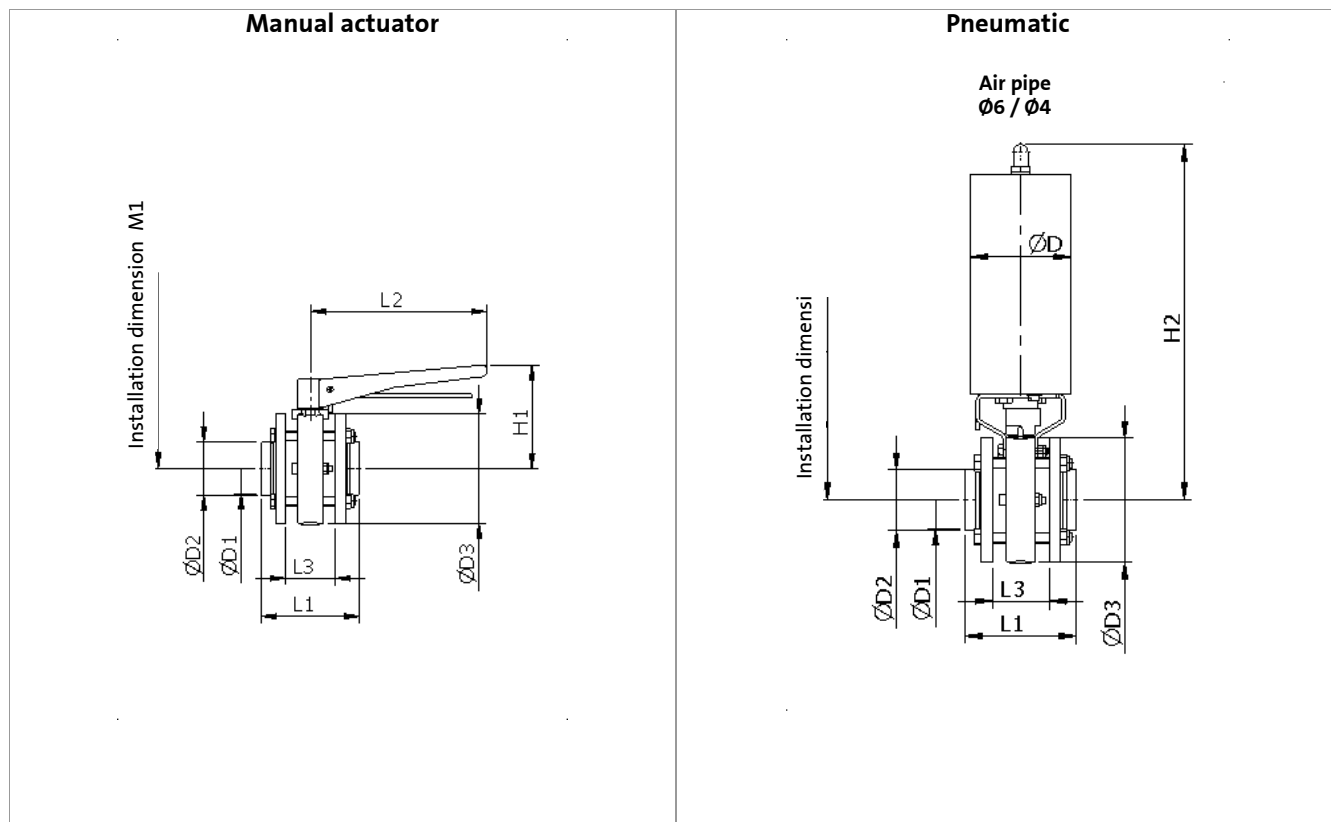
Characteristic curve temperature / pressure stage



According to legal requirements
EU Pressure Equipment Directive 2014/68/EU
EU Machinery Directive 2006/42/EC
Design check by TÜV Süd



INTERMEDIATE FLANGE CONNECTION (FVF) DN



Dimensions

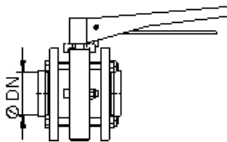
DN	ØD1 mm	ØD2 mm	ØD3 mm	ØD mm	L1 mm	L3 mm	H1 mm	H2 mm	M1 mm	M2 mm
25	26	29	83	57	98	50	90	234	131	343
40	38	41	99	57	98	50	99	241	149	358
50	50	53	109	57	98	50	104	248	159	370
65	66	70	127	88,9	98	50	112	323	176	387
80	81	85	142	88,9	98	50	120	331	191	402
100	100	104	162	88,9	98	50	130	341	211	422
125	125	129	189	133	108	54	145	355	240	450
150	150	154	214	133	108	54	157	367	264	474

Weight

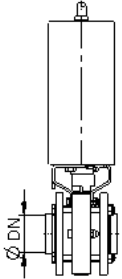
DN	Manual kg	Pneum. NC/NO kg	Pneum. AA kg
25	2,4	3,6	5,3
40	3,2	4,4	6,0
50	3,8	4,7	6,5
65	4,5	8,0	7,0
80	5,2	8,8	7,5
100	6,4	9,9	9,3
125	11,3	19,0	17,3
150	13,6	20,5	19,6

INTERMEDIATE FLANGE CONNECTION (FVF) DN

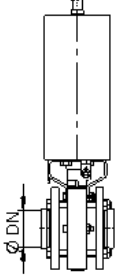
Manual actuator
1.4404 / AISI 316L

	DN	- EPDM	- HNBR	- FKM
		Material no.	Material no.	Material no.
	25	0902215092		0902991637
	40	0902215118		0902991709
	50	0902215191	0904743958	0902991720
	65	0902215198		0902991722
	80	0902215306		0902991723
	100	0902215307		0902991724
	125	0902215327		0904642268
	150	0902215364		0904642269

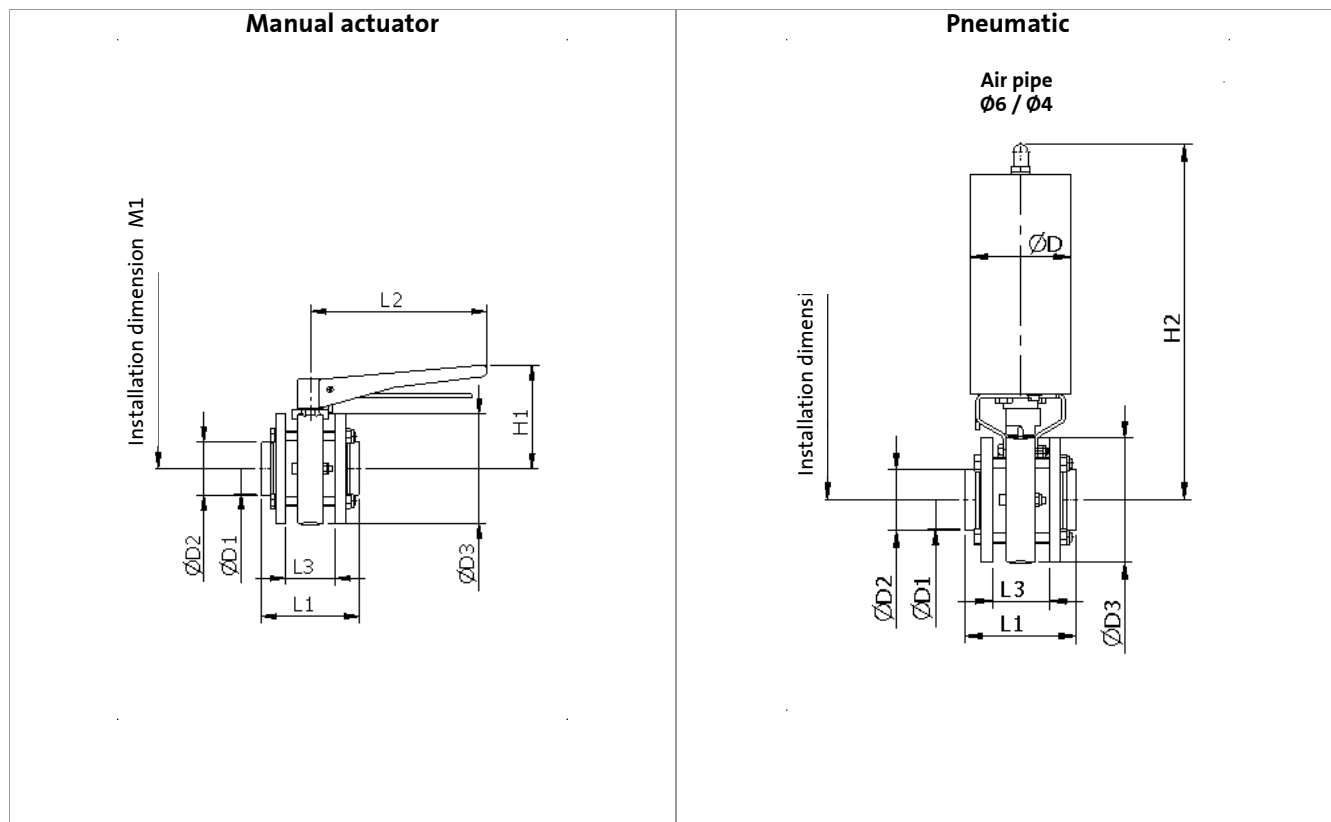
Pneumatic NC/NO
1.4404 / AISI 316L

	DN	- EPDM	- HNBR	- FKM
		Material no.	Material no.	Material no.
	25	0904160727	0904220429	0902992499
	40	0904160746	0904220530	0902992586
	50	0904160749	0904081219	0902992587
	65	0902212897	0903469311	0902992588
	80	0902212928	0904220531	0902991601
	100	0902212987	0904220532	0902992610
	125	0902213053	0904220533	
	150	0902213192	0904220534	

Pneumatic AA
1.4404 / AISI 316L

	DN	- EPDM	- HNBR	- FKM
		Material no.	Material no.	Material no.
	25	0902213280		
	40	0902213289		
	50	0902213390		
	65	0902213779		
	80	0902213808		
	100	0902213848		
	125	0902214131		
	150	0902214198		

INTERMEDIATE FLANGE CONNECTION (FVF) OD



Dimensions

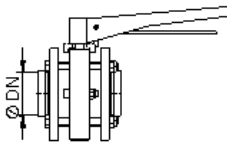
Inch OD	ØD1 mm	ØD2 mm	ØD3 mm	ØD mm	L1 mm	L3 mm	H1 mm	H2 mm	M1 mm	M2 mm
1"	22,1	25,4	83	57	98	50	90	234	131	343
1,5"	34,8	38,1	100	57	98	50	99	241	149	358
2"	47,5	50,8	110	57	98	50	104	248	159	370
2,5"	60,2	63,5	127	88,9	98	50	112	323	176	387
3"	72,9	76,2	134	88,9	98	50	116	327	191	402
4"	97,38	101,6	162	88,9	98	50	130	341	211	422
5"										
6"	146,86	152,4	215	133	108	54	157	367	264	474

Weight

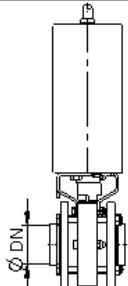
Inch OD	Manual kg	Pneum. NC/NO kg	Pneum. AA kg
1"	2,5	3,6	5,3
1,5"	3,2	4,4	6,0
2"	3,6	4,7	6,5
2,5"	4,8	8,0	7,0
3"	4,9	8,8	7,5
4"	6,4	9,9	9,3
5"			
6"	13,0	20,5	19,6

INTERMEDIATE FLANGE CONNECTION (FVF) OD

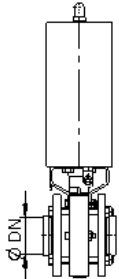
Manual actuator
1.4404 / AISI 316L

	Inch OD	- EPDM	- HNBR	- FKM
		Material no.	Material no.	Material no.
	1"	0903333354		
	1,5"	0903379635		
	2"	0903333357		0904587923
	2,5"	0903532841		
	3"	0903333359		
	4"	0903333421		
	5"			
	6"	0903333423		

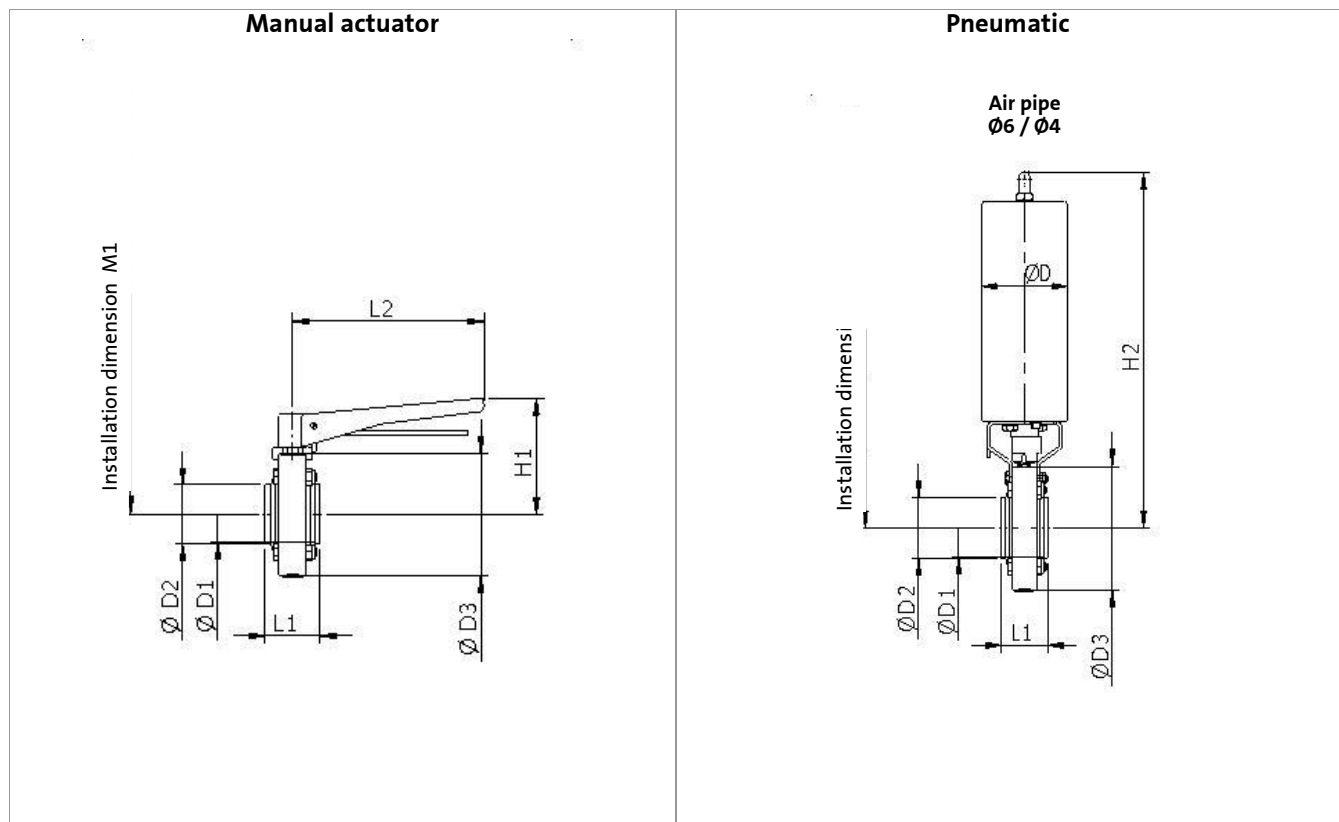
Pneumatic NC/NO
1.4404 / AISI 316L

	Inch OD	- EPDM	- HNBR	- FKM
		Material no.	Material no.	Material no.
	1"	0903379625		0903759138
	1,5"	0903520105	0903758471	
	2"	0903708494	0903755519	
	2,5"	0903708495	0903758159	
	3"	0903379723	0903766925	
	4"	0903708498		
	5"			
	6"	0903708499		

Pneumatic AA
1.4404 / AISI 316L

	Inch OD	- EPDM	- HNBR	- FKM
		Material no.	Material no.	Material no.
	1"			
	1,5"		0903758471	
	2"		0903755519	
	2,5"		0903758159	
	3"		0903766925	
	4"			
	5"			
	6"			

WELDED END CONNECTION (WVW) DN



Dimensions

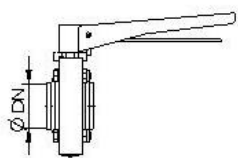
DN	ØD1 mm	ØD2 mm	ØD3 mm	ØD mm	L1 mm	L2 mm	H1 mm	H2 mm	M1 mm	M2 mm
25	26	29	83	57	50	175	90	234	115	324
40	38	41	99	57	50	175	99	241	123	333
50	50	53	109	57	50	175	104	248	128	338
65	66	70	127	88,9	50	175	112	323	137	347
80	81	85	142	88,9	50	175	120	331	144	354
100	100	104	162	88,9	50	175	130	341	154	364
125	125	129	189	133	74	175	145	355	165	375
150	150	154	214	133	74	175	157	367	178	388

Weight

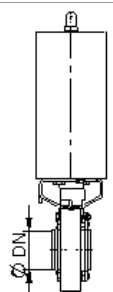
DN	Manual kg	Pneum. NC/NO kg	Pneum. AA kg
25	1,4	2,6	4,2
40	1,8	3,0	4,6
50	2,1	3,2	4,8
65	2,4	6,0	5,2
80	2,9	6,5	5,7
100	3,7	7,2	6,4
125	7,8	15,5	13,8
150	9,7	19,0	16,0

WELDED END CONNECTION (WVW) DN

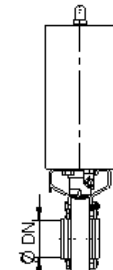
Manual actuator
1.4404 / AISI 316L

	DN	- EPDM	- HNBR	- FKM
		Material no.	Material no.	Material no.
	25	0902204899		0903364627
	40	0902205359		
	50	0902205579		0903582359
	65	0902205635	0903508219	0903582441
	80	0902205639		0903364629
	100	0902205765		0905086473
	125	0902215208		
	150	0902215242		

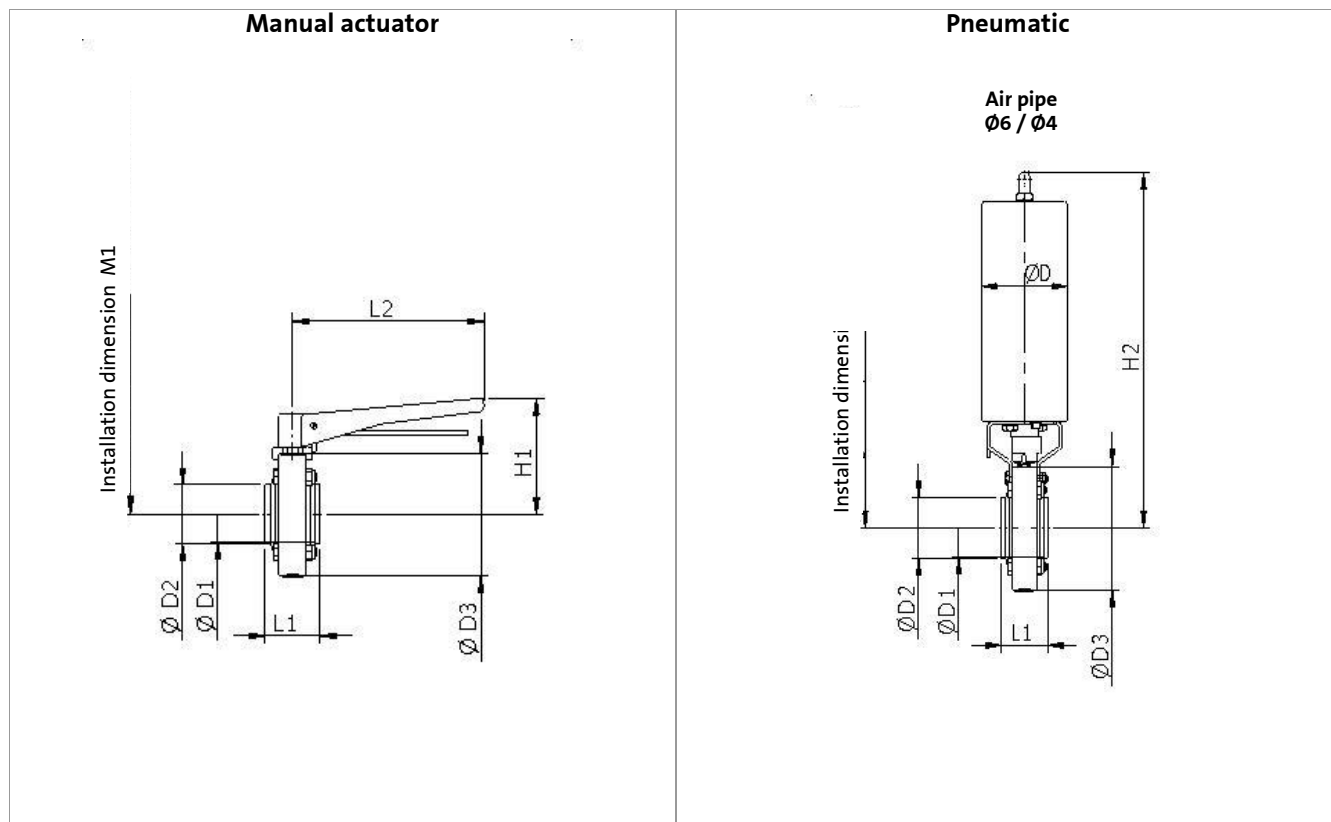
Pneumatic NC/NO
1.4404 / AISI 316L

	DN	- EPDM	- HNBR	- FKM
		Material no.	Material no.	Material no.
	25	0902205179		0903728036
	40	0902205794	0903057973	0903178034
	50	0902205811		0903582189
	65	0902205866	0903508417	0903582413
	80	0902205867		0903364628
	100	0902205900		
	125	0902205952		
	150	0902205955		

Pneumatic AA
1.4404 / AISI 316L

	DN	- EPDM	- HNBR	- FKM
		Material no.	Material no.	Material no.
	25	0902205309		
	40	0902206466		
	50	0902206467		
	65	0902206571		
	80	0902206615		
	100	0902206860		
	125	0902206677		
	150	0902206678		

WELDED END CONNECTION (WVW) OD



Dimensions

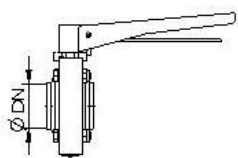
Inch OD	ØD1 mm	ØD2 mm	ØD3 mm	ØD mm	L1 mm	L2 mm	H1 mm	H2 mm	M1 mm	M2 mm
1"	22,1	25,4	83	57	50	175	90	234	115	324
1,5"	34,8	38,1	100	57	50	175	99	241	123	333
2"	47,5	50,8	110	57	50	175	104	248	128	338
2,5"	60,2	63,5	127	88,9	50	175	112	323	137	347
3"	72,9	76,2	134	88,9	50	175	116	327	144	354
4"	97,38	101,6	162	88,9	50	175	130	341	154	364
5"										
6"	146,86	152,4	215	133	74	175	157	367	178	388

Weight

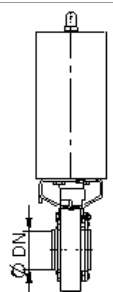
Inch OD	Manual kg	Pneum. NC/NO kg	Pneum. AA kg
1"	1,4	2,6	4,2
1,5"	1,8	3,0	4,6
2"	2,1	3,2	4,8
2,5"	2,4	6,0	5,2
3"	2,9	6,5	5,7
4"	3,7	7,2	6,4
5"			
6"	9,7	19,0	16,0

WELDED END CONNECTION (WVW) OD

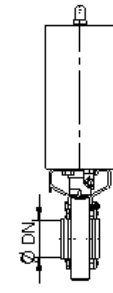
Manual actuator
1.4404 / AISI 316L

	Inch OD	- EPDM Material no.	- HNBR Material no.	- FKM Material no.
	1"	0903649121		0904906377
	1,5"	0903650405		0904906376
	2"	0903642367		0904932444
	2,5"	0903650487		0904946351
	3"	0903410740		0905156688
	4"	0903650403		0904795064
	5"			
	6"	0904993863		

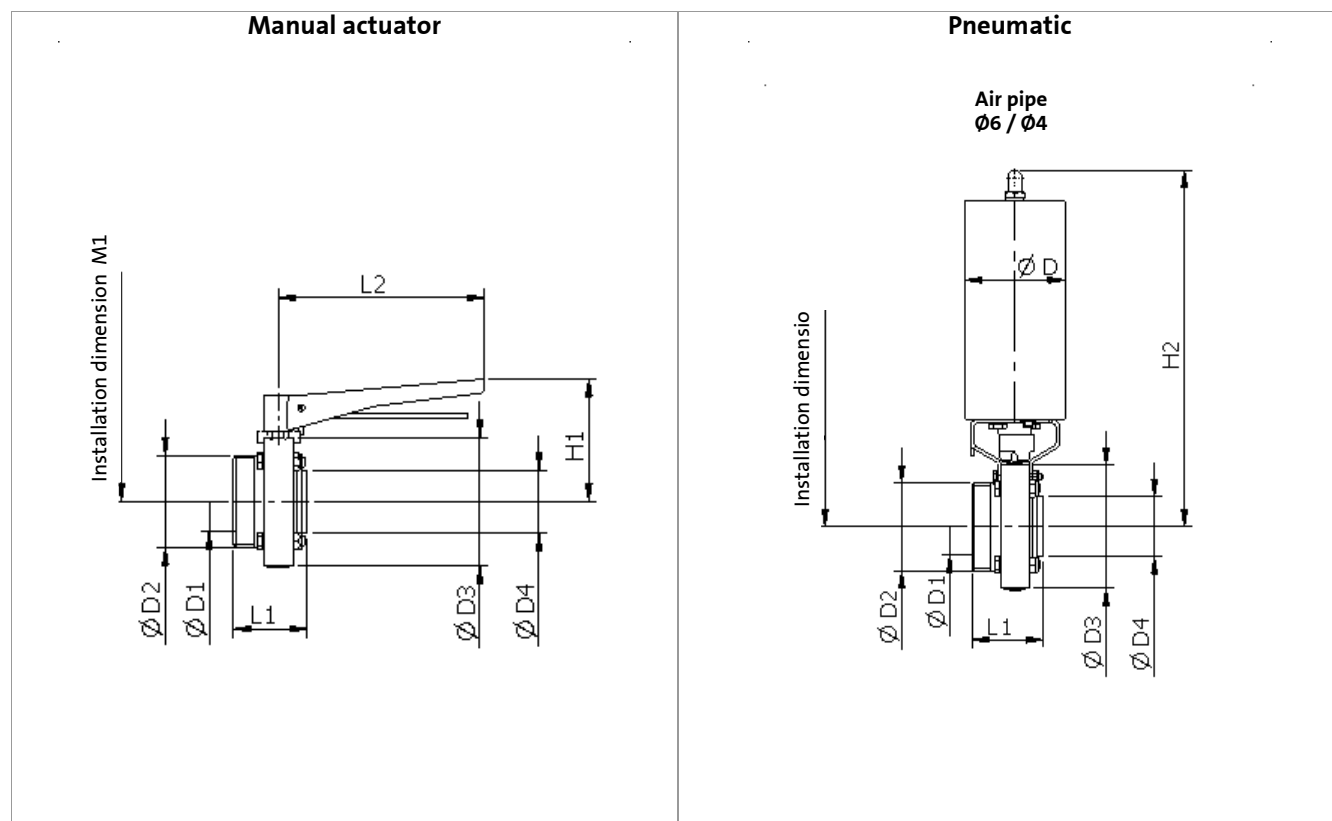
Pneumatic NC/NO
1.4404 / AISI 316L

	Inch OD	- EPDM Material no.	- HNBR Material no.	- FKM Material no.
	1"	0903649085	0904425941	
	1,5"	0904634269	0904515602	
	2"	0903649127		
	2,5"	0903708542		
	3"	0903649211		0903659869
	4"	0903708593		
	5"			
	6"	0904842993		

Pneumatic AA
1.4404 / AISI 316L

	Inch OD	- EPDM Material no.	- HNBR Material no.	- FKM Material no.
	1"			
	1,5"			
	2"	0904346458		
	2,5"	0904383912		
	3"			
	4"			
	5"			
	6"			

THREAD / WELDED END CONNECTION (WVM)



Dimensions

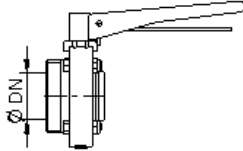
DN	ØD1 mm	ØD2 mm	ØD3 mm	ØD4 mm	ØD mm	L1 mm	H1 mm	H2 mm	M1 mm	M2 mm
25	26	Rd 52x1/6"	83	29	57	63	90	234	115	324
40	38	Rd 65x1/6"	99	41	57	63	99	241	123	333
50	50	Rd 78x1/6"	109	53	57	63	104	248	128	338
65	66	Rd 95x1/6"	127	70	88,9	65	112	323	137	347
80	81	Rd 110x1/4"	142	85	88,9	68	120	331	144	354
100	100	Rd 130x1/4"	162	104	88,9	68	130	341	154	364
125	125	Rd 160x1/4"	189	129	133	120	145	355	165	375
150	150	Rd 190x1/4"	214	154	133	124	157	367	178	388

Weight

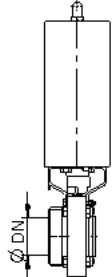
DN	Manual kg	Pneum. NC/NO kg	Pneum. AA Kg
25	1,5	2,7	4,3
40	2,0	3,4	4,8
50	2,3	3,8	5,2
65	2,9	6,5	5,7
80	3,5	7,2	6,4
100	4,3	7,8	7,0
125	8,9	17,0	15,0
150	11,3	21,0	19,0

THREAD / WELDED END CONNECTION (WVM)

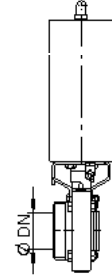
Manual actuator
1.4404 / AISI 316L

	DN	- EPDM	- HNBR	- FKM
		Material no.	Material no.	Material no.
	25	0902173437		0903930984
	40	0902173438	0904045834	0903908850
	50	0902173439		0902751245
	65	0902173460		0903886659
	80	0902173461	0903074800	0903219174
	100	0902173462		
	125	0902173463		
	150	0902173464		

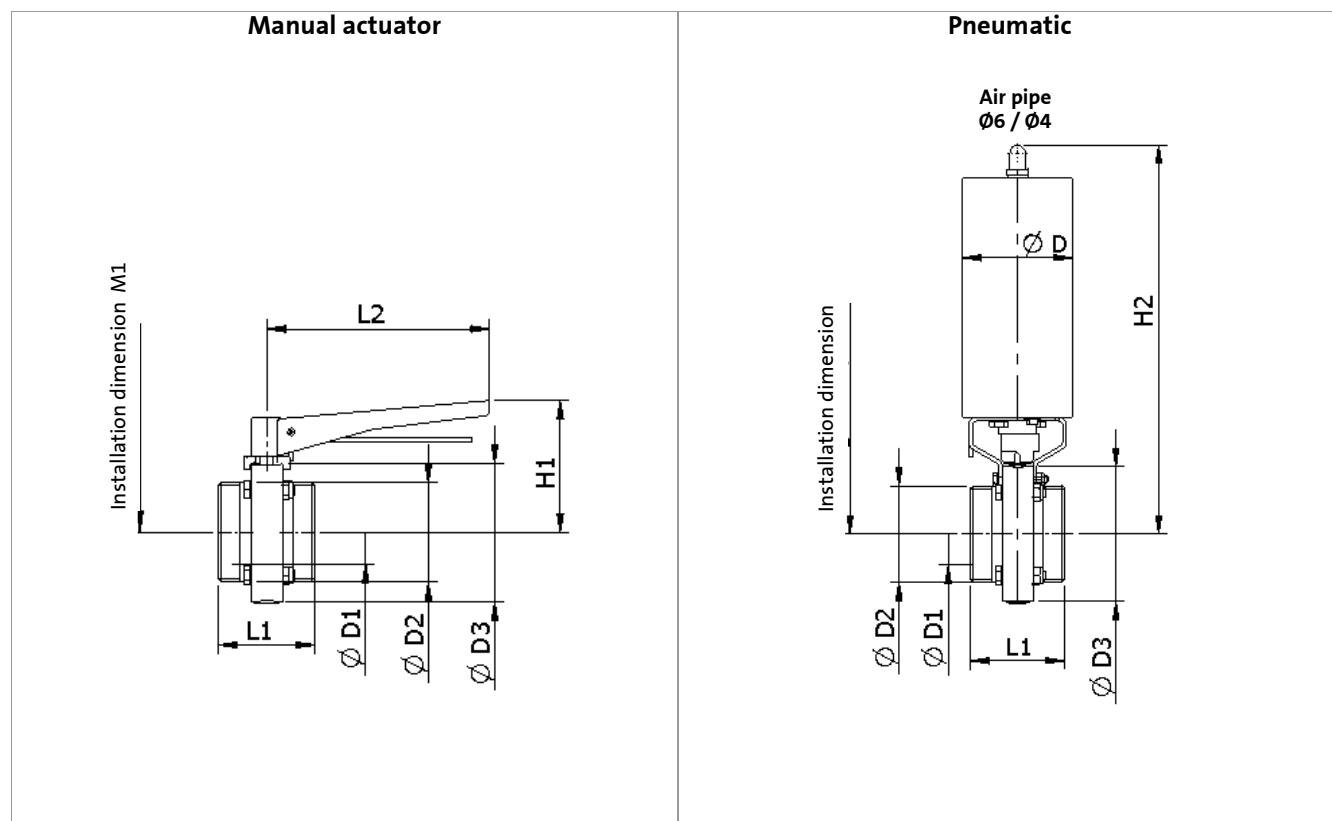
Pneumatic NC/NO
1.4404 / AISI 316L

	DN	- EPDM	- HNBR	- FKM
		Material no.	Material no.	Material no.
	25	0902200174		0904349781
	40	0902202126		0904693551
	50	0902202931		0904340934
	65	0902203091		0904742308
	80	0902204627		
	100	0902203171		0904655429
	125	0902213925		
	150	0902213928		

Pneumatic AA
1.4404 / AISI 316L

	DN	- EPDM	- HNBR	- FKM
		Material no.	Material no.	Material no.
	25	0902203240		0904249406
	40	0902203310		
	50	0902203316		0904181523
	65	0902203358		
	80	0902204629		
	100	0902203412		
	125	0902214051		
	150	0902214053		

THREAD / THREAD CONNECTION (MVM)



Dimensions

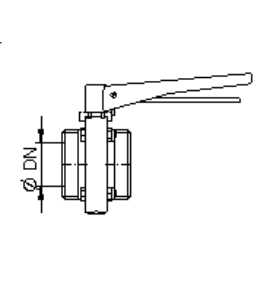
DN	ØD1 mm	ØD2 mm	ØD3 mm	ØD mm	L1 mm	L2 mm	H1 mm	H2 mm	M1 mm	M2 mm
25	26	Rd 52x1/6"	83	57	76	175	90	234	115	324
40	38	Rd 65x1/6"	99	57	76	175	99	241	123	333
50	50	Rd 78x1/6"	109	57	76	175	104	248	128	338
65	66	Rd 95x1/6"	127	88,9	80	175	112	323	137	347
80	81	Rd 110x1/4"	142	88,9	86	175	120	331	144	354
100	100	Rd 130x1/4"	162	88,9	86	175	130	341	154	364
125	125	Rd 160x1/4"	189	133	166	175	145	355	165	375
150	150	Rd 190x1/4"	214	133	174	175	157	367	178	388

Weight

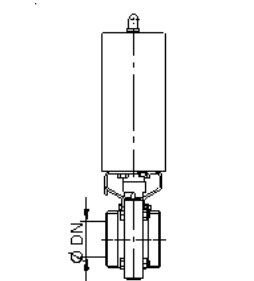
DN	Manual kg	Pneum. NC/NO kg	Pneum. AA kg
25	1,9	3,1	4,7
40	2,5	3,4	5,0
50	2,9	4,2	5,8
65	3,8	7,4	6,6
80	4,7	7,6	6,8
100	6,0	9,6	8,8
125	11,1	19,8	17,8
150	14,5	23,2	21,2

THREAD / THREAD (MVM)

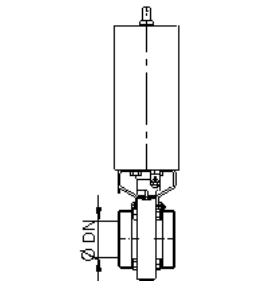
Manual actuator
1.4404 / AISI 316L

	DN	- EPDM	- HNBR	- FKM
		Material no.	Material no.	Material no.
	25	0902209699		
	40	0902209969	0904045834	
	50	0902210366		
	65	0902210461		
	80	0902210467	0903074800	
	100	0902210545		
	125	0902212375		
	150	0902215057		

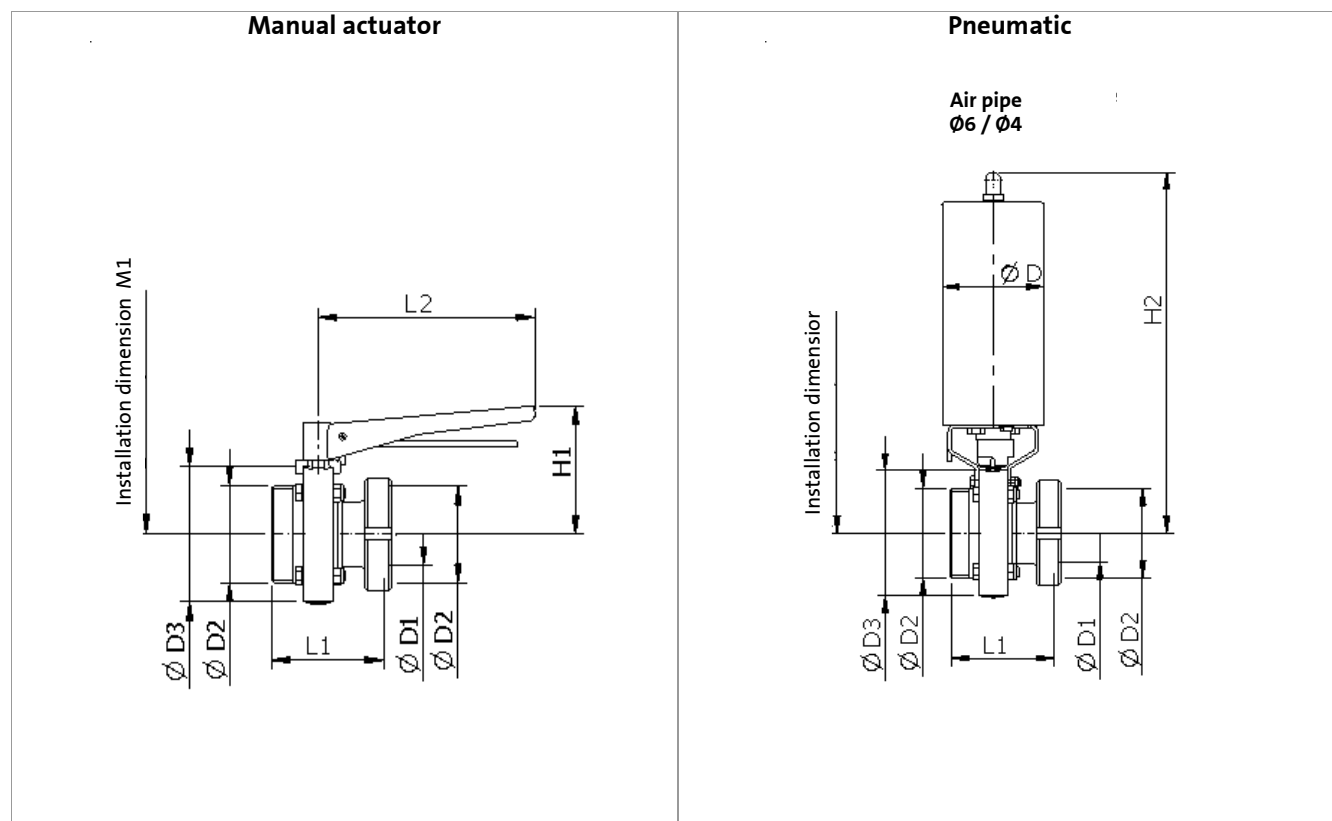
Pneumatic NC/NO
1.4404 / AISI 316L

	DN	- EPDM	- HNBR	- FKM
		Material no.	Material no.	Material no.
	25	0902210662		
	40	0902210666		
	50	0902211050		
	65	0902211051		
	80	0902211059		
	100	0902211110		
	125	0902212407		
	150	0902212627		

Pneumatic AA
1.4404 / AISI 316L

	DN	- EPDM	- HNBR	- FKM
		Material no.	Material no.	Material no.
	25	0902212652		
	40	0902212701		
	50	0902212760		
	65	0902212764		
	80	0902212766		
	100	0902212843		
	125	0902212847		
	150	0902212905		

THREAD / LINER CONNECTION (MVL)



Dimensions

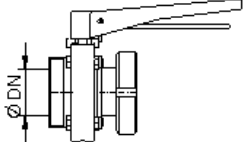
DN	ØD1 mm	ØD2 mm	ØD3 mm	ØD mm	L1 mm	L2 mm	H1 mm	H2 mm	M1 mm	M2 mm
25	26	Rd 52x1/6"	83	57	85	175	90	234	115	324
40	38	Rd 65x1/6"	99	57	89	175	99	241	123	333
50	50	Rd 78x1/6"	109	57	91	175	104	248	128	338
65	66	Rd 95x1/6"	127	88,9	97	175	112	323	137	347
80	81	Rd 110x1/4"	142	88,9	105	175	120	331	144	354
100	100	Rd 130x1/4"	162	88,9	112	175	130	341	154	364
125	125	Rd 160x1/4"	189	133	154	175	145	355	165	375
150	150	Rd 190x1/4"	214	133	161	175	157	367	178	388

Weight

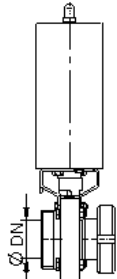
DN	Manual kg	Pneum. NC/NO kg	Pneum. AA kg
25	1,9	2,7	4,5
40	2,5	3,6	5,2
50	2,9	3,9	5,5
65	3,8	7,4	6,6
80	4,7	8,0	7,2
100	6,0	9,6	8,8
125	11,1	15,8	13,8
150	14,5	19,2	17,2

THREAD / LINER CONNECTION (MVL)

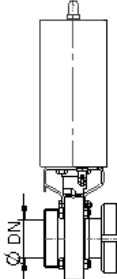
Manual actuator
1.4404 / AISI 316L

	DN	- EPDM	- HNBR	- FKM
		Material no.	Material no.	Material no.
	25	0902213041		
	40	0902213049		
	50	0902213117		
	65	0902213119		
	80	0902213236		
	100	0902213269		
	125	0902215141		
	150	0902215180		

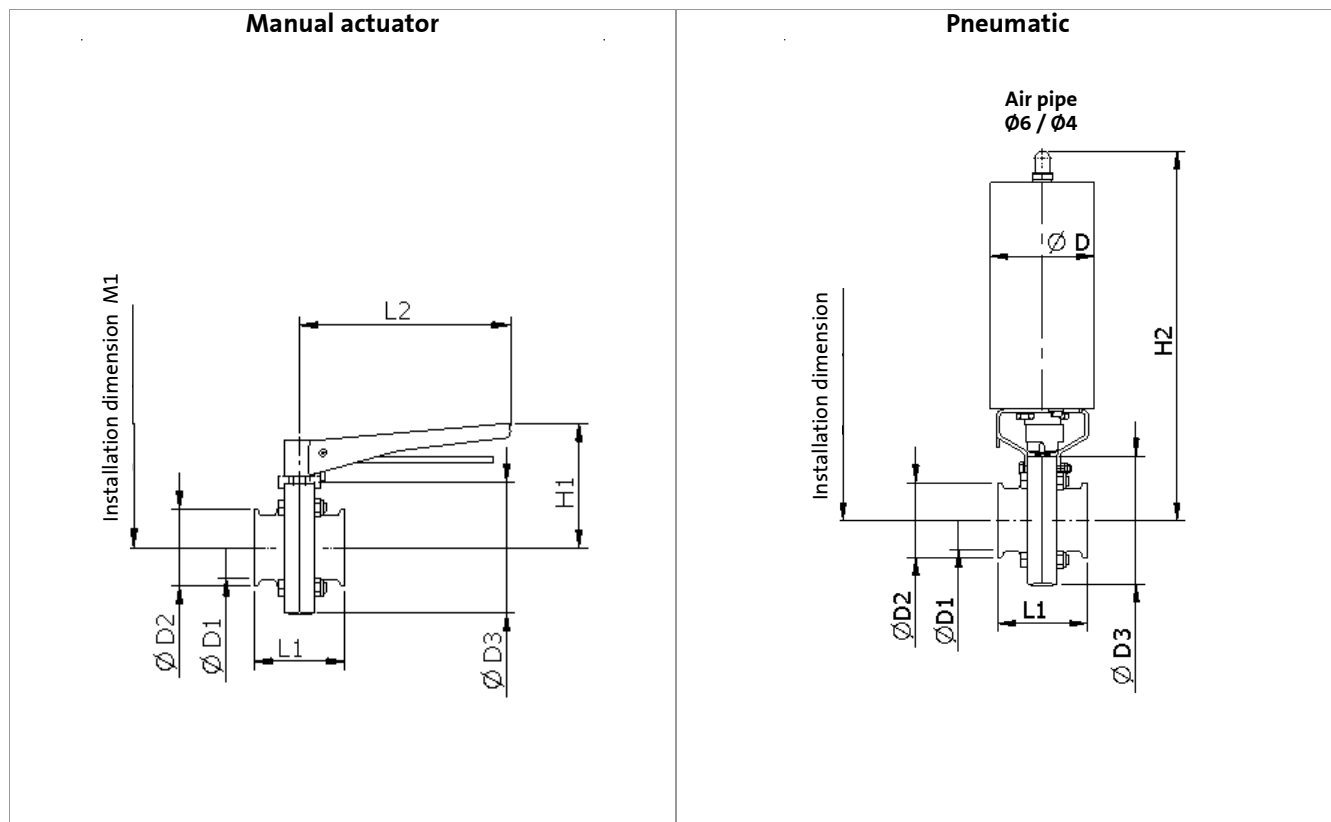
Pneumatic NC/NO
1.4404 / AISI 316L

	DN	- EPDM	- HNBR	- FKM
		Material no.	Material no.	Material no.
	25	0902213297		
	40	0902213317		
	50	0902213374		0903709885
	65	0902213378		
	80	0902213423		
	100	0902213427		
	125	0902213491		
	150	0902213498		

Pneumatic AA
1.4404 / AISI 316L

	DN	- EPDM	- HNBR	- FKM
		Material no.	Material no.	Material no.
	25	0902213822		
	40	0902213823		
	50	0902213828		0903728037
	65	0902213852		
	80	0902213858		
	100	0902213859		
	125	0902213920		
	150	0902213922		

CLAMP / CLAMP CONNECTION (CVC) DN



Dimensions

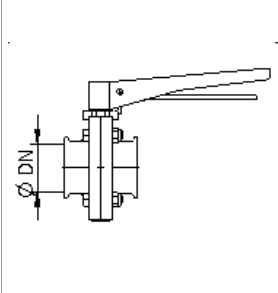
DN	ØD1 mm	ØD2 mm	ØD3 mm	ØD mm	L1 mm	L2 mm	H1 mm	H2 mm	M1 mm	M2 mm
25	26	50,5	83	57	76	175	90	234	115	324
40	38	50,5	99	57	76	175	99	241	123	333
50	50	64	109	57	76	175	104	248	128	338
65	66	91	127	88,9	80	175	112	323	137	347
80	81	106	142	88,9	86	175	120	331	144	354
100	100	119	162	88,9	86	175	130	341	154	364
125	125	155	189	133	130	175	145	355	165	375
150	150	183	214	133	130	175	157	367	178	388

Weight

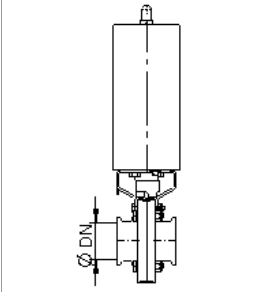
DN	Manual kg	Pneum. NC/NO kg	Pneum. AA kg
25	1,6	3,0	4,6
40	2,1	3,2	4,8
50	2,4	3,4	5,8
65	3,1	6,8	6,0
80	3,8	7,4	6,7
100	4,3	7,9	7,2
125	8,9	16,1	15,1
150	11,4	18,7	16,9

CLAMP / CLAMP CONNECTION (CVC) DN

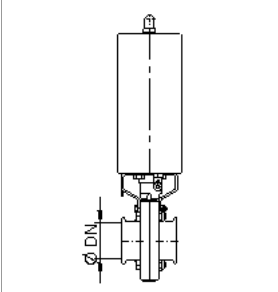
Manual actuator
1.4404 / AISI 316L

	DN	- EPDM	- HNBR	- FKM
		Material no.	Material no.	Material no.
	25	0903471474	0905153398	0904529450
	40	0902214112		0904448503
	50	0902214118		0904529452
	65	0902214151		0904529453
	80	0902214157		
	100	0902214260		
	125	0902215373		
	150	0902215375		

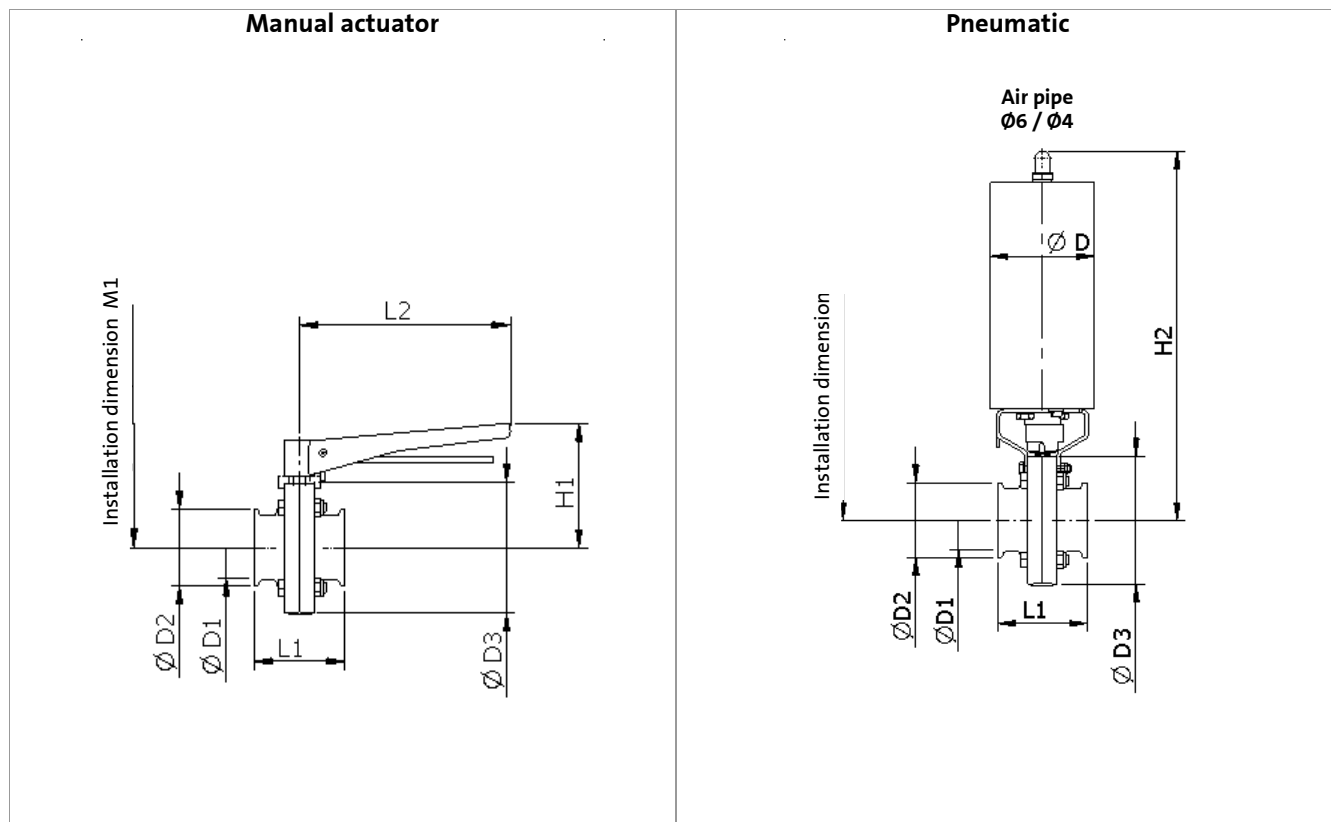
Pneumatic NC / NO
1.4404 / AISI 316L

	DN	- EPDM	- HNBR	- FKM
		Material no.	Material no.	Material no.
	25	0902214269		
	40	0902214286		
	50	0902214337		
	65	0902214434		0903660004
	80	0902214436		
	100	0902214461		0903642400
	125	0902214466		
	150	0902214519		

Pneumatic AA
1.4404 / AISI 316L

	DN	- EPDM	- HNBR	- FKM
		Material no.	Material no.	Material no.
	25	0902214358		
	40	0902214458		
	50	0902214623		
	65	0902214625		
	80	0902214626		
	100	0902214628	0903402087	0903642363
	125	0902214773		
	150	0902214774		

CLAMP / CLAMP CONNECTION (CVC) OD



Dimensions

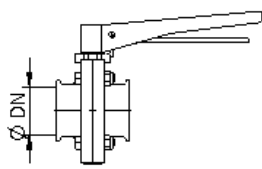
Inch OD	ØD1 mm	ØD2 mm	ØD3 mm	ØD mm	L1 mm	L2 mm	H1 mm	H2 mm	M1 mm	M2 mm
1"	22,1	50,5	83	57	76	175	90	234	115	324
1,5"	34,8	50,5	100	57	76	175	99	241	123	333
2"	47,5	64	110	57	76	175	104	248	128	338
2,5"	60,2	77,5	127	88,9	80	175	112	323	137	347
3"	72,9	91	134	88,9	86	175	116	327	144	354
4"	97,38	119	162	88,9	86	175	130	341	154	364
5"										
6"	146,86	167	215	133	130	175	157	367	178	388

Weight

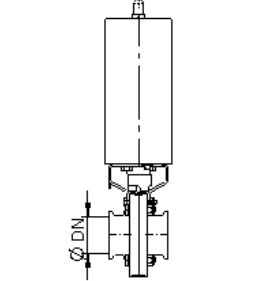
Inch OD	Manual kg	Pneum. NC/NO kg	Pneum. AA kg
1"	1,6	3,0	4,6
1,5"	2,1	3,4	4,8
2"	2,4	4,6	5,8
2,5"	3,1	6,7	6,0
3"	3,2	6,8	6,1
4"	4,3	8,0	7,2
5"			
6"	11,4	18,7	16,9

CLAMP / CLAMP CONNECTION (CVC) OD

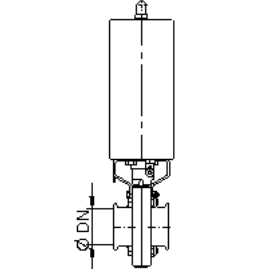
Manual actuator
1.4404 / AISI 316L

	Inch OD	- EPDM Material no.	- HNBR Material no.	- FKM Material no.
	1"	0903542651		
	1,5"	0903542345		0904877326
	2"	0903541231		
	2,5"	0903650059		0904882254
	3"	0903649212		0904882259
	4"	0903649169		
	5"			
	6"			

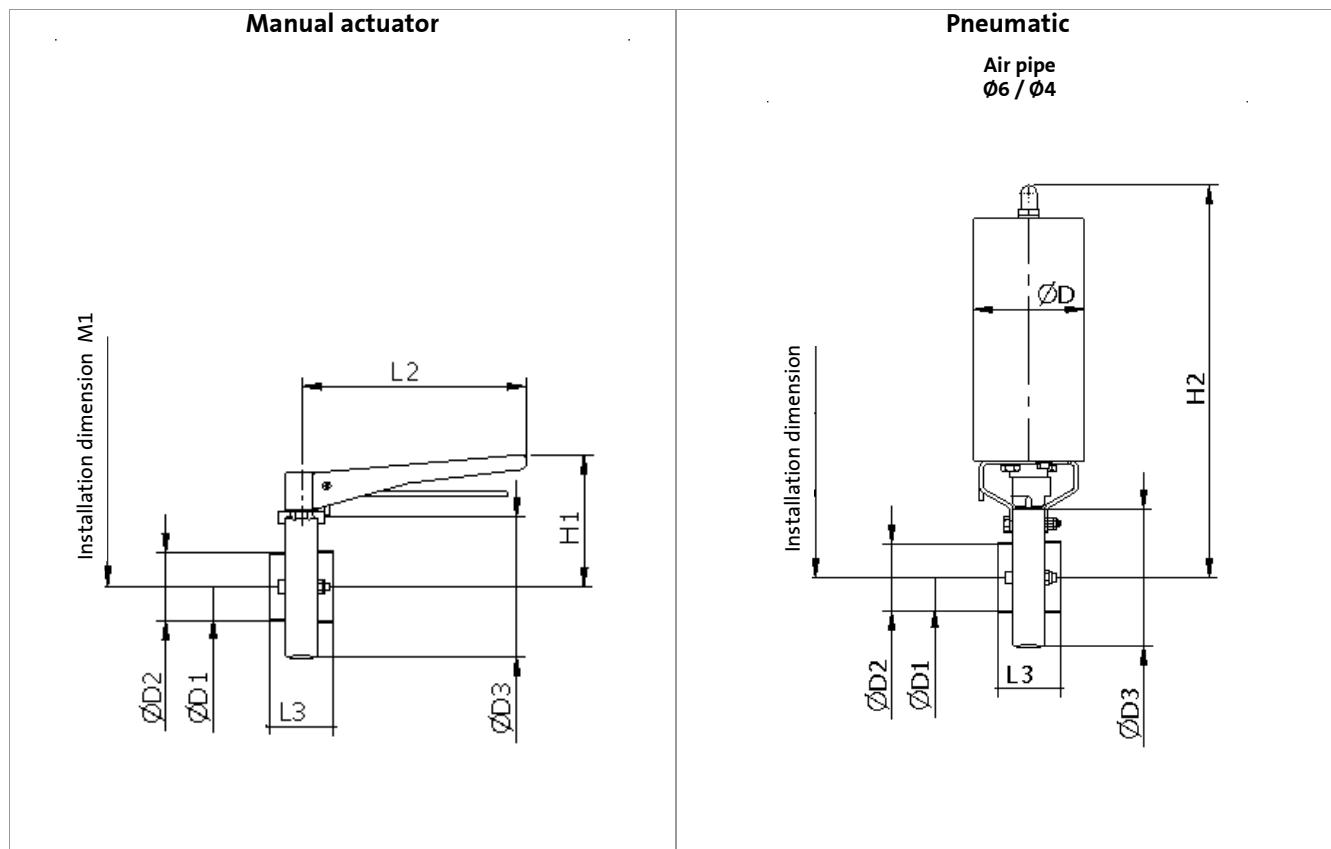
Pneumatic NC/NO
1.4404 / AISI 316L

	Inch OD	- EPDM Material no.	- HNBR Material no.	- FKM Material no.
	1"	0903764294		
	1,5"	0903764292		
	2"	0903562562		
	2,5"	0903764290		
	3"	0903597693		
	4"	0903876480		
	5"			
	6"			

Pneumatic AA
1.4404 / AISI 316L

	Inch OD	- EPDM Material no.	- HNBR Material no.	- FKM Material no.
	1"			
	1,5"	0904740490		
	2"		0903277289	
	2,5"			
	3"			
	4"			
	5"			
	6"			

INTERMEDIATE FLANGE CONNECTION WITHOUT FLANGE (OVO)



Dimensions

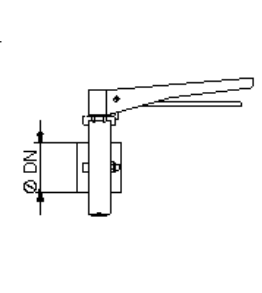
DN	ØD1 mm	ØD2 mm	ØD3 mm	ØD mm	L2 mm	L3 mm	H1 mm	H2 mm	M1 mm	M2 mm
25	26		83	57	175	50	90	234	131	343
40	38		99	57	175	50	99	241	149	358
50	50		109	57	175	50	104	248	159	370
65	66		127	88,9	175	50	112	323	176	387
80	81		142	88,9	175	50	120	331	191	402
100	100		162	88,9	175	50	130	341	211	422
125	125		189	133	175	54	145	355	240	450
150	150		214	133	175	54	157	367	264	474

Weight

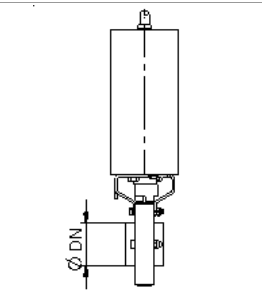
DN	Manual kg	Pneum. NC/NO kg	Pneum. AA kg
25	1,4	2,5	4,2
40	1,9	3,1	4,7
50	2,1	3,2	4,8
65	2,6	6,2	5,5
80	3,0	6,6	5,8
100	3,8	7,4	6,6
125	6,8	14,5	12,5
150	8,5	16,2	14,2

INTERMEDIATE FLANGE CONNECTION WITHOUT FLANGE (OVO)

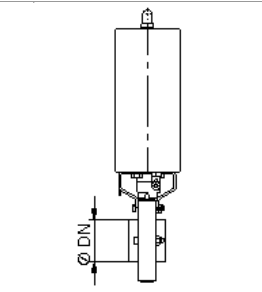
Manual actuator
1.4404 / AISI 316L

	DN	- EPDM	- HNBR	- FKM
		Material no.	Material no.	Material no.
	25	0902156816	0902666401	0902734134
	40	0902156817	0902666402	0902734136
	50	0902156818	0902666403	0902734137
	65	0902156819	0902666404	0902734150
	80	0902156930	0902666406	0902734151
	100	0902156931	0902666205	0902734153
	125	0902156932		0903134712
	150	0902156933	0904874477	

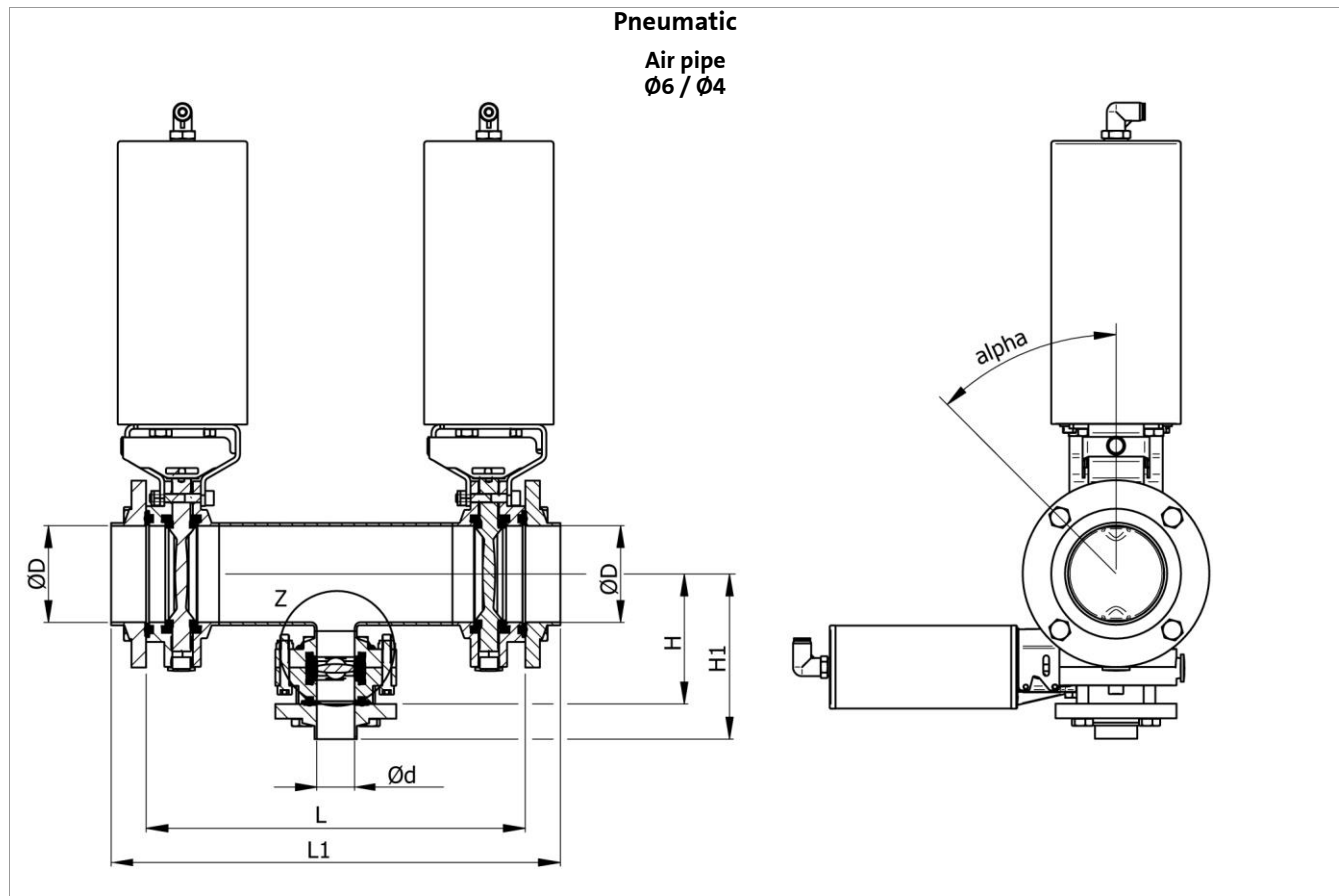
Pneumatic NC/NO
1.4404 / AISI 316L

	DN	- EPDM	- HNBR	- FKM
		Material no.	Material no.	Material no.
	25	0904160721	0902560973	0902734155
	40	0904160745	0902561578	0902734156
	50	0904160748	0902591004	0902734158
	65	0902156717	0902560975	0902734159
	80	0902156718	0902560976	0902734170
	100	0902156719	0902733476	0902734171
	125	0902156740	0903472041	0903134711
	150	0902156741		

Pneumatic AA
1.4404 / AISI 316L

	DN	- EPDM	- HNBR	- FKM
		Material no.	Material no.	Material no.
	25	0902156748	0903065437	0903644008
	40	0902156749		
	50	0902156780		
	65	0902156781		
	80	0902156782		
	100	0902156783		
	125	0902156784		
	150	0902156785		

BUTTERFLY VALVE COMBINATION



Dimensions

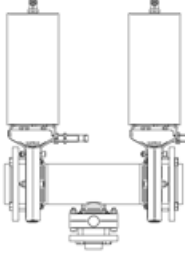
DN	ØD mm	Ød mm	L mm	L1 mm	H mm	H1 mm	alpha °
25	26	26	200	248	66	90	45
40	38	26	220	268	72	96	45
50	50	26	240	288	78	102	45
65	66	26	260	308	89	113	45
80	81	26	280	328	96	120	22,5
100	100	38	300	348	108	132	22,5
125	125	50	503	557	124	148	22,5
150	150	50	578	632	140	164	22,5

Weight

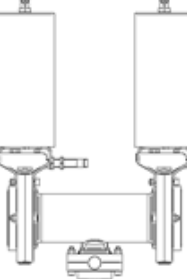
DN	Manual kg	Pneum. NC/NO kg	Pneum. AA kg
25		15,0	
40		16,4	
50		18,6	
65		21,0	
80		23,5	
100		26,2	
125		32,5	
150		38,0	

BUTTERFLY VALVE COMBINATION

Butterfly valve – intermediate flange connection FVF
1.4404 / AISI 316L

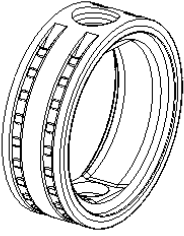
	DN	- EPDM	- HNBR	- FKM
		Material no.	Material no.	Material no.
	25/25/25	0904179174		0903135092
	40/40/25	0904179931		0903135093
	50/50/25	0904179933		0904714911
	65/65/25	0904179984		
	80/80/25	0904179989		0904714912
	100/100/40	0904180097		
	125/125/50	0904180223		
	150/150/50	0904180252		

Butterfly valve – intermediate flange connection OVO
1.4404 / AISI 316L

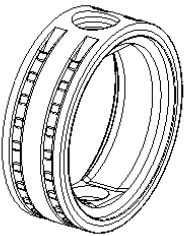
	DN	- EPDM	- HNBR	- FKM
		Material no.	Material no.	Material no.
	25/25/25	0904213335		
	40/40/25	0904213388		
	50/50/25	0904213492		
	65/65/25	0904213534		
	80/80/25	0904213535		
	100/100/40	0904213597		
	125/125/50	0904213598		
	150/150/50	0904213599		

SPARE PARTS BUTTERFLY VALVE

Seal DN

	DN	EPDM	HNBR	FKM
		Material no.	Material no.	Material no.
	25	0901796651	0902384283	0902606746
	40	0901796656	0902384288	0902606748
	50	0901796715	0902384303	0902606749
	65	0901796718	0902384305	0902606960
	80	0901796740	0902384306	0902606961
	100	0901796741	0902384307	0902606962
	125	0901995185	0902384308	0902613853
	150	0901995186	0902384309	0902613856

Seal OD

	Inch OD	EPDM	HNBR	FKM
		Material no.	Material no.	Material no.
	1"	0901796651	0902384283	0902606746
	1,5"	0901796656	0902384288	0902606748
	2"	0901796715	0902384303	0902606749
	2,5"	0902492282	0902492284	
	3"	0902492283	0902492285	
	4"	0901796741	0902384307	0902606962
	5"			
	6"	0901995186	0902384309	0902613856

Other seal materials available upon request

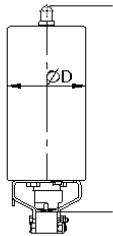
Bushing DN

	DN	IGLIDUR
		Material no.
	25	0902541356
	40	
	50	
	65	
	80	
	100	0902541430
	125	
	150	

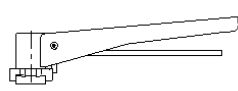
Bushing OD

	Inch OD	IGLIDUR
		Material no.
	1"	0902541356
	1,5"	
	2"	
	2,5"	
	3"	
	4"	0902541430
	5"	
	6"	

Actuator – not usable for control head

	DN	Pneumatic NC/NO	Pneumatic AA
		Material no.	Material no.
	25		
	40	0904151959	
	50		
	65		
	80	0901842273	0902085297
	100		
	125	0902235650	0902339175
	150		

Actuating lever

	DN	Material no.
	25	
	40	
	50	0902159728
	65	
	80	
	100	
	125	
	150	0902159760

Disk DN

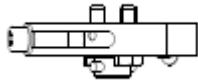
	DN	Material no.
	25	0901796743
	40	0901796746
	50	0901796749
	65	0901796770
	80	0901796771
	100	0901796772
	125	0901948271
	150	0901948276

Disk OD

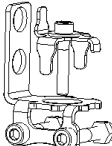
	OD	Material no.
	1"	0901796743
	1,5"	0901796746
	2"	0901796749
	2,5"	0902492242
	3"	0902492243
	4"	0901796772
	5"	
	6"	0901948276

ADDITIONAL EQUIPMENT BUTTERFLY VALVE

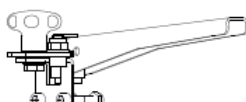
Rotational stop open/close position for rotary drive D 85

	DN	
	Material no.	
	25	0902834557
	40	
	50	
	65	
	80	
	100	
	125	
	150	

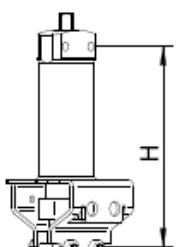
Proximity switch mount for actuating lever

	DN	
	Material no.	
	25	0902732145
	40	
	50	
	65	
	80	
	100	0902732147
	125	
	150	

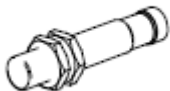
Actuating lever with continuously variable locking device

	DN	
	Material no.	
	25	0902477802
	40	
	50	
	65	
	80	
	100	0902477803
	125	
	150	

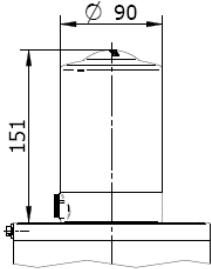
Actuator extension H = 90 mm

	DN	
	Material no.	
	25	0902326527
	40	
	50	
	65	
	80	
	100	0902771203
	125	
	150	

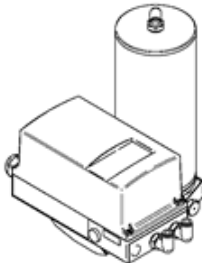
Proximity switch M12x1

	DN	
	Material no.	
	25	0901443696
	40	
	50	
	65	
	80	
	100	
	125	
	150	

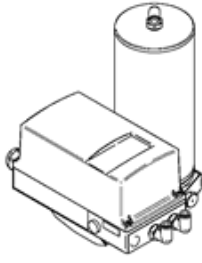
Control head, 2 proximity switches

	DN	24 V DC 2 proximity switches 1 solenoid valve	24 V DC ASI 2 proximity switches 1 solenoid valve
	Material no.		Material no.
	25	0902928158	0904617590
	40		
	50		
	65		
	80		
	100		
	125		
	150		

Actuator with positioner Samson

	DN	3730-1	3730-3 HART	3730-4 PA
	Material no.		Material no.	Material no.
	25	0902691695	0903459601	0903382079
	40			
	50			
	65			
	80			
	100	0902819335	0904000201	0903382078
	125			
	150			

Actuator with positioner Siemens

	DN	SIPART PS2	SIPART PS2 HART
	Material no.		Material no.
	25	0904049809	0903632341
	40		
	50		
	65		
	80		
	100	0904162100	0903631906
	125		
	150		

Further types available upon request

