

VALVES AND COCKS VENTILE UND HÄHNE



02 PIPE UNIONS ROHRVERBINDUNGEN



03 FITTINGS ROHRFORMSTÜCKE



04 VALVES AND COCKS VENTILE UND HÄHNE



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06 MANWAYS AND MANHOLES HERSTELLER VON EDELSTAHLARMATUREN



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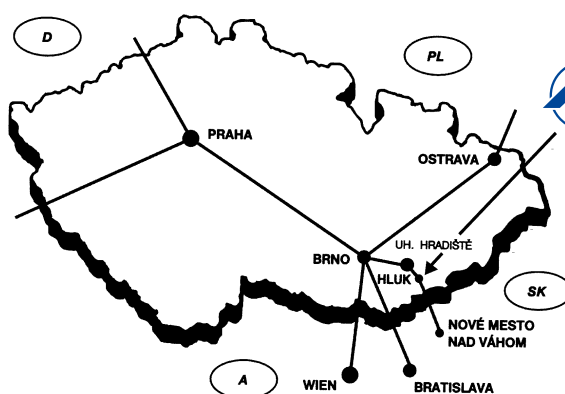


08 DOUBLE-WALLED PIPING SYSTEMS DOPPELWANDIGE ROHRSYSTEME



The company NIOB FLUID s. r. o. is a manufacturer focused on the production of fasteners, shut-off and control valves of stainless steels. These valves are especially designed for the transport of liquids in the food, chemical and the pharmaceutical industry. It is simultaneously also the supplier of pipe fittings and other parts needed for piping systems and components for tanks such as the lid, manwaydoor, level indicator and other components.

Die Gesellschaft NIOB FLUID s.r.o. ist ein Hersteller, der auf die Produktion von Verbindungs-, Absperr- und Regulierungsarmaturen aus Edelstahl orientiert ist. Diese Armaturen sind vor allem für den Transport von Flüssigkeiten in der Lebensmittel- und Chemieindustrie und in der Pharmazie bestimmt. Die Gesellschaft ist gleichzeitig auch Lieferant von Rohrverbindungsstücken und weiteren Teilen, die für die Rohrleitungen erforderlich sind, und von Behälterteilen wie Hauben, Luken, Standgläser und weiteren Komponenten.



NIOB FLUID s. r. o.

Ostrožská 1003, 687 25 Hluk, Czech Republic

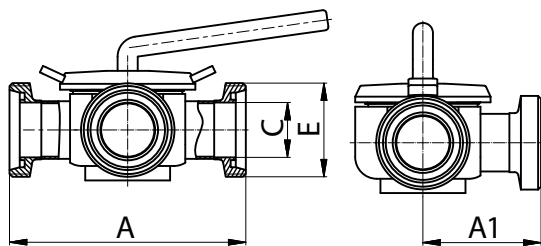
Ghone: + 420 572 419 822, + 420 572 419 823, Fax: + 420 572 419 868

E-mail: marketing@niobfluid.cz, www.niobfluid.cz

Three way cock G - G - G
Dreiwegekükenhahn G - G - G

40110

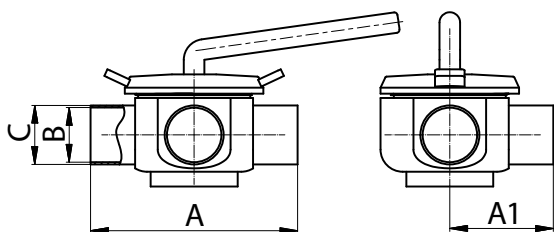
Dimensions • Baumaße

[illegible]

Three way cock S - S - S
Dreiwegekükenhahn S - S - S

40111

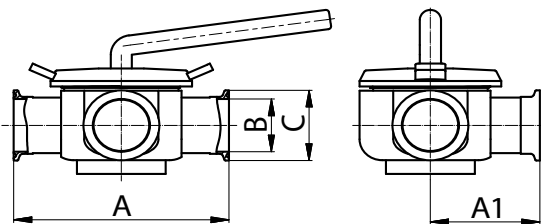
Dimensions • Baumaße

[illegible]

Three way cock C - C - C
Dreiwegekükenhahn C - C - C

40119

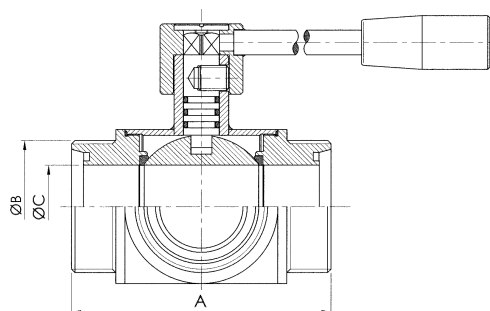
Dimensions • Baumaße

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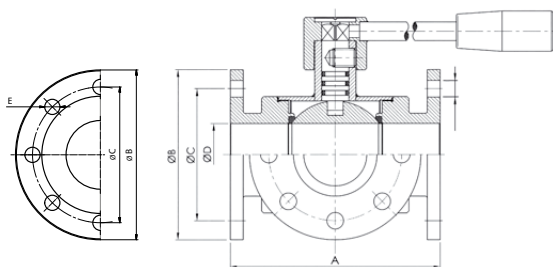
Three way ball valve G - G - G
Dreiwegekugelventil G - G - G

40210

Dimensions • Baumaße

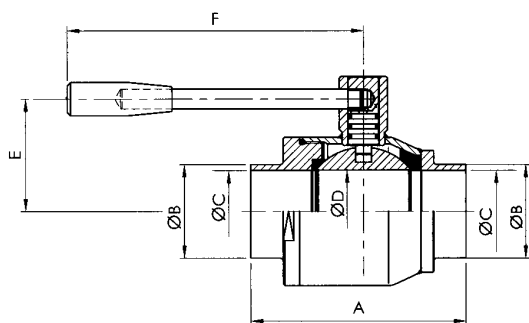
[illegible]

Three way ball valve PN - PN - PN
Dreiwegekugelventil PN - PN - PN

40240
Dimensions • Baumaße


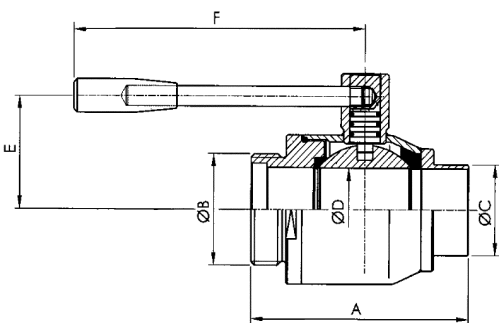
DN	A	B	C	D	E	F	R	L	Rd x s	kg
25	150	115	85	25	14x4					
32	180	140	100	31	18x4					
40	200	150	110	37	18x4					
50	220	165	125	49	18x4					
65	240	185	145	66	18x4					
80	260	200	160	81	18x8					
100	300	220	180	100	18x8					
125	380	250	210	120	18x8					

Straight way ball valve S - S
Kugelventil S - S

40510
Dimensions • Baumaße


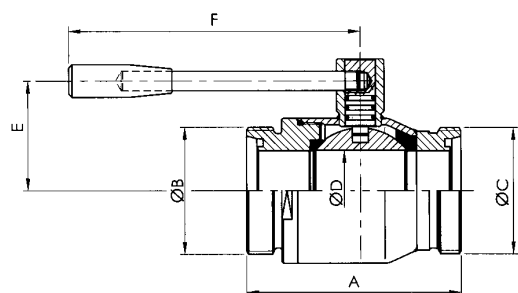
DN	A	B	C	D	E	F	R	L	Rd x s	kg
15	78	21	16	16	40	90				
20	78	25	20	19	40	90				
25	84	31	26	24	44	146				
32	106	37	32	33	50	146				
40	124	43	40	40	64	185				
50	134	55	49	49,5	68	185				
65	145	72	65	65	95	243				
80	179	87	79	79	104	243				
100	205	106	99	99	122	273				
125	225	132	119	119	135	273				

Straight way ball valve G - S
Kugelventil G - S

40520
Dimensions • Baumaße


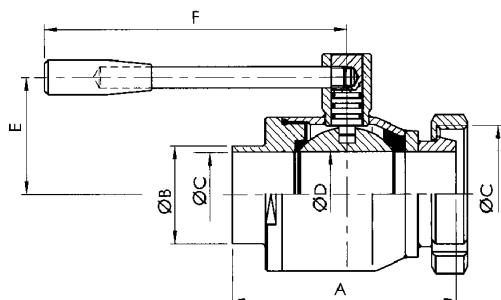
DN	A	B	C	D	E	F	R	L	Rd x s	kg
		DIN 405								
25	86	52x1/6"	31	24	44	146				
32	104	58x1/6"	37	33	50	146				
40	125	65x1/6"	43	40	64	185				
50	134	78x1/6"	55	49,5	68	185				
65	145	95x1/6"	72	65	95	243				
80	179	110x1/4"	87	79	104	243				
100	205	130x1/4"	106	99	122	273				
125	225	160x1/4"	132	119	135	273				

Straight way ball valve G - G
Kugelventil G - G

40530
Dimensions • Baumaße


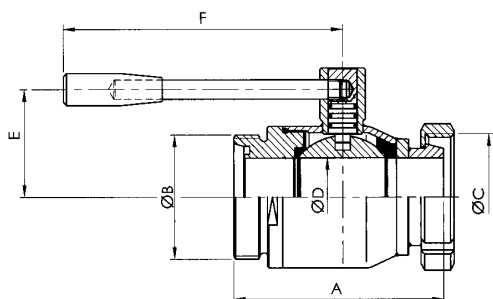
DN	A	B/C	D	E	F	F	R	L	Rd x s	kg
		DIN 405								
25	89	52x1/6"	24	44	146					
32	113	58x1/6"	33	50	146					
40	124	65x1/6"	40	64	185					
50	134	78x1/6"	49,5	68	185					
65	146	95x1/6"	65	95	243					
80	179	110x1/4"	79	104	243					
100	205	130x1/4"	99	122	273					
125	225	160x1/4"	119	135	273					

Straight way ball valve S - K/M
Kugelventil S - K/M

40540
Dimensions • Baumaße


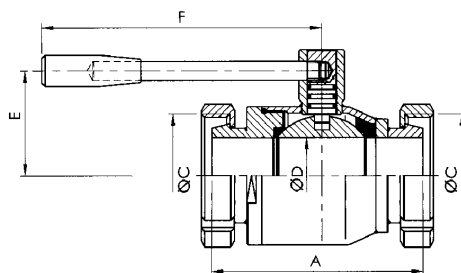
DN	A	B	C	D	E	F	R	L	Rd x s	kg
			DIN 405							
25	89	31	52x1/6"	24	44	146				
32	120	37	58x1/6"	33	50	146				
40	128	43	65x1/6"	40	64	185				
50	140	55	78x1/6"	49,5	68	185				
65	152	72	95x1/6"	65	95	243				
80	190	87	110x1/4"	79	104	243				
100	221	106	130x1/4"	99	122	273				
125	259	132	160x1/4"	119	135	273				

Straight way ball valve G - K/M
Kugelventil G - K/M

40550
Dimensions • Baumaße


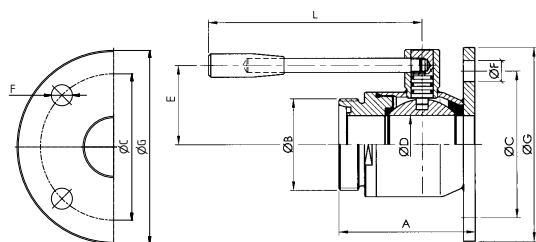
DN	A	B/C	D	E	F	G	R	L	Rd x s	kg
			DIN 405							
25	92	52x1/6"	24	44	146					
32	118	58x1/6"	33	50	146					
40	128	65x1/6"	40	64	185					
50	140	78x1/6"	49,5	68	185					
65	152	95x1/6"	65	95	243					
80	190	110x1/4"	79	104	243					
100	221	130x1/4"	99	122	273					
125	259	160x1/4"	119	135	273					

Straight way ball valve K/M - K/M
Kugelventil K/M - K/M

40560
Dimensions • Baumaße


DN	A	C	D	E	F	F	R	L	Rd x s	kg
			DIN 405							
25	92	52x1/6"	24	44	146					
32	123	58x1/6"	33	50	146					
40	131	65x1/6"	40	64	185					
50	143	78x1/6"	49,5	68	185					
65	160	95x1/6"	65	95	243					
80	190	110x1/4"	79	104	243					
100	235	130x1/4"	99	122	273					
125	259	160x1/4"	119	135	273					

Straight way ball valve G - PN
Kugelventil G - PN

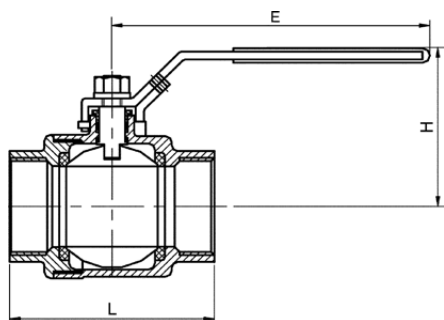
40570
Dimensions • Baumaße


DN	A	B	C	D	E	F	G	L	Rd x s	kg
			DIN 405							
25	86	52x1/6"	85	24	44	14x4	115	146		
32	104	58x1/6"	100	33	50	18x4	140	146		
40	107	65x1/6"	110	40	64	18x4	150	185		
50	117	78x1/6"	125	49,5	68	18x4	165	185		
65	141	95x1/6"	145	65	95	18x4	185	243		
80	156	110x1/4"	160	79	104	18x4	200	243		
100	181	130x1/4"	180	99	122	18x8	220	273		
125	201	160x1/4"	210	119	135	18x8	250	273		

Two pieces ball cock G - G
2-Teiling-Kugelhahn G - G

40640

Dimensions • Baumaße

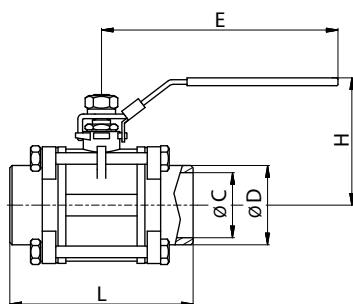


DN	L	E	H	D	E	F	R	L	Rd x s	kg
1/4"	52	90	55							
3/8"	52	90	55							
1/2"	55	105	55							
3/4"	65	115	60							
1"	72	120	70							
1 1/4"	83	145	75							
1 1/2"	95	175	90							
2"	110	175	100							
2 1/2"	144	210	130							
3"	170	230	140							

Three pieces ball cock S - S
3-Teiling-Kugelhahn S - S

40650

Dimensions • Baumaße

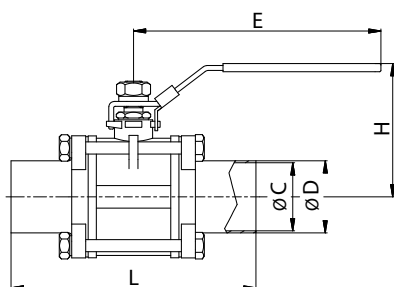


DN	L	E	H	C	D	F	R	L	Rd x s	kg
8	63	95	46	11	17					
10	63	95	50	12	17					
15	75	103	56	15	21,3					
20	80	118	66	20	26,7					
25	90	135	72	25	33,4					
32	110	135	83	32	42,2					
40	120	160	88	38	48,3					
50	140	173	100	50	60,3					
65	165	216	127	65	74					
80	202	232	138	80	91					
100	252	330	171	100	110					

Three pieces ball cock S - S
for orbital welding
3-Teiling-Kugelhahn S - S für Orbital
Schweißen

40660

Dimensions • Baumaße

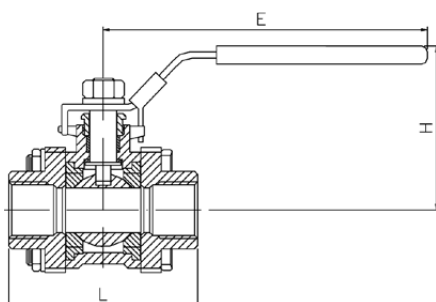


DN	L	E	H	C	D	F	R	G	Rd x s	kg
10	100	95	50	10	13					
15	125	103	56	16	19					
20	130	118	66	20	23					
25	140	135	72	26	29					
32	168	135	83	32	35					
40	178	160	88	38	41					
50	200	173	100	50	53					
65	245	216	127	66	70					
80	282	232	138	81	85					
100	332	330	171	100	104					
100	332	330	171	100	110					

Three pieces ball cock G - G
3-Teiling-Kugelhahn G - G

40670

Dimensions • Baumaße

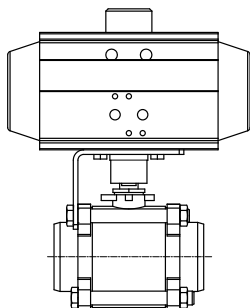


DN	L	E	H	D	E	F	R	G	Rd x s	kg
1/4"	51	95	46							
3/8"	65	95	50							
1/2"	74	103	56							
3/4"	70	118	66							
1"	89	135	72							
1 1/4"	108	135	83							
1 1/2"	108	160	88							
2"	140	173	100							
2 1/2"	168	216	127							
3"	190	232	138							
4"	240	330	171							

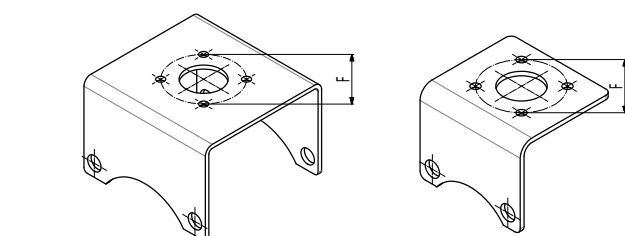
Three pieces ball cock S - S with AT SR 4405 (or DA 4410)
3-Teiling-Kugelhahn S - S mit AT SR 4405 (oder DA 4410)

40650 P05
Dimensions • Baumaße
40650 P10

DN	A	B	C	L	Rd x s	kg
10						
15						
20						
25						
32						
40						
50						
65						
80						
100						

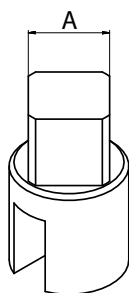


Bracket
Konsole für Kugelhahn

40770
Dimensions • Baumaße


DN	A	D	L	Rd x s	kg
10	F04				
15	F04				
20	F04				
25	F04				
32	F04/F05				
40	F05				
50	F07				
65	F07				
80	F07				
100	F07				

Catch driver for 3-pieces ball cock
Kupplung für 3-Teiling-Kugelhahn

40780
Dimensions • Baumaße


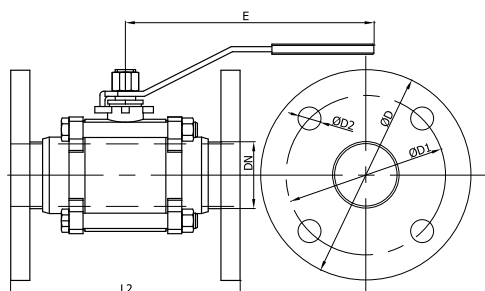
A	B	C	D	L	Rd x s	kg
11x11						
14x14						
17x17						
22x22						

Three pieces ball cock PN - PN
3-Teiling-Kugelhahn PN - PN

40740 PN10

(2070)

Dimensions • Baumaße



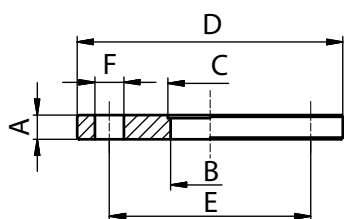
DN	D	D1	D2	L2	E	H	A	B	Rd x s	kg
25	115	85	14x4	162	135	72				
32	140	100	18x4	186	135	83				
40	150	110	18x4	200	160	88				
50	165	125	18x4	226	173	100				
65	185	145	18x4	251	216	127				
80	200	160	18x8	301	232	138				
100	220	180	18x8	351	330	171				

Flange PN 10
Flansch PN 10

DIN 2576

20700

Dimensions • Baumaße



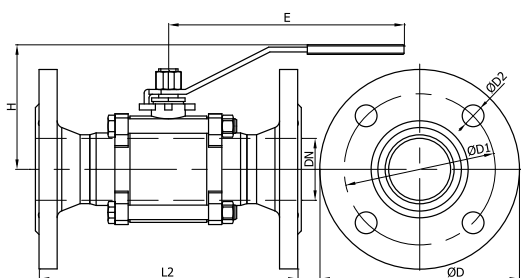
DN	A	B	C	D	E	F	G	L	Rd x s	kg
10	14	10	12,2	90	60	14x4				0,5
15	14	16	18,2	95	65	14x4				0,6
20	16	20	22,2	105	75	14x4				0,85
25	16	26	28,2	115	85	14x4				1,11
32	16	32	34,2	140	100	18x4				1,64
40	16	38	40,2	150	110	18x4				1,8
50	18	50	52,2	165	125	18x4				2,3
65	18	66	70,3	185	145	18x4				2,88
80	20	81	85,3	200	160	18x8				3,2
100	20	100	104,3	220	180	18x8				4
125	22	125	129,5	250	210	18x8				5
150	22	150	154,5	285	240	22x8				6,7

Three pieces ball cock PN - PN
3-Teiling-Kugelhahn PN - PN

40740 PN16

(2073)

Dimensions • Baumaße

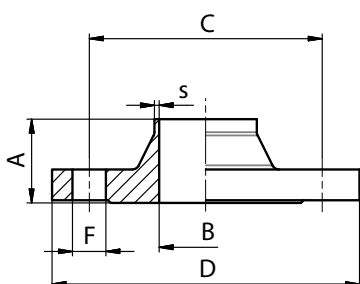


DN	D	D1	D2	L2	E	H	A	B	Rd x s	kg
25	115	85	14x4	162	135	72				
32	140	100	18x4	186	135	83				
40	150	110	18x4	200	160	88				
50	165	125	18x4	226	173	100				
65	185	145	18x4	251	216	127				
80	200	160	18x8	301	232	138				
100	220	180	18x8	351	330	171				

Flange PN 16
Flansch PN 16

20730

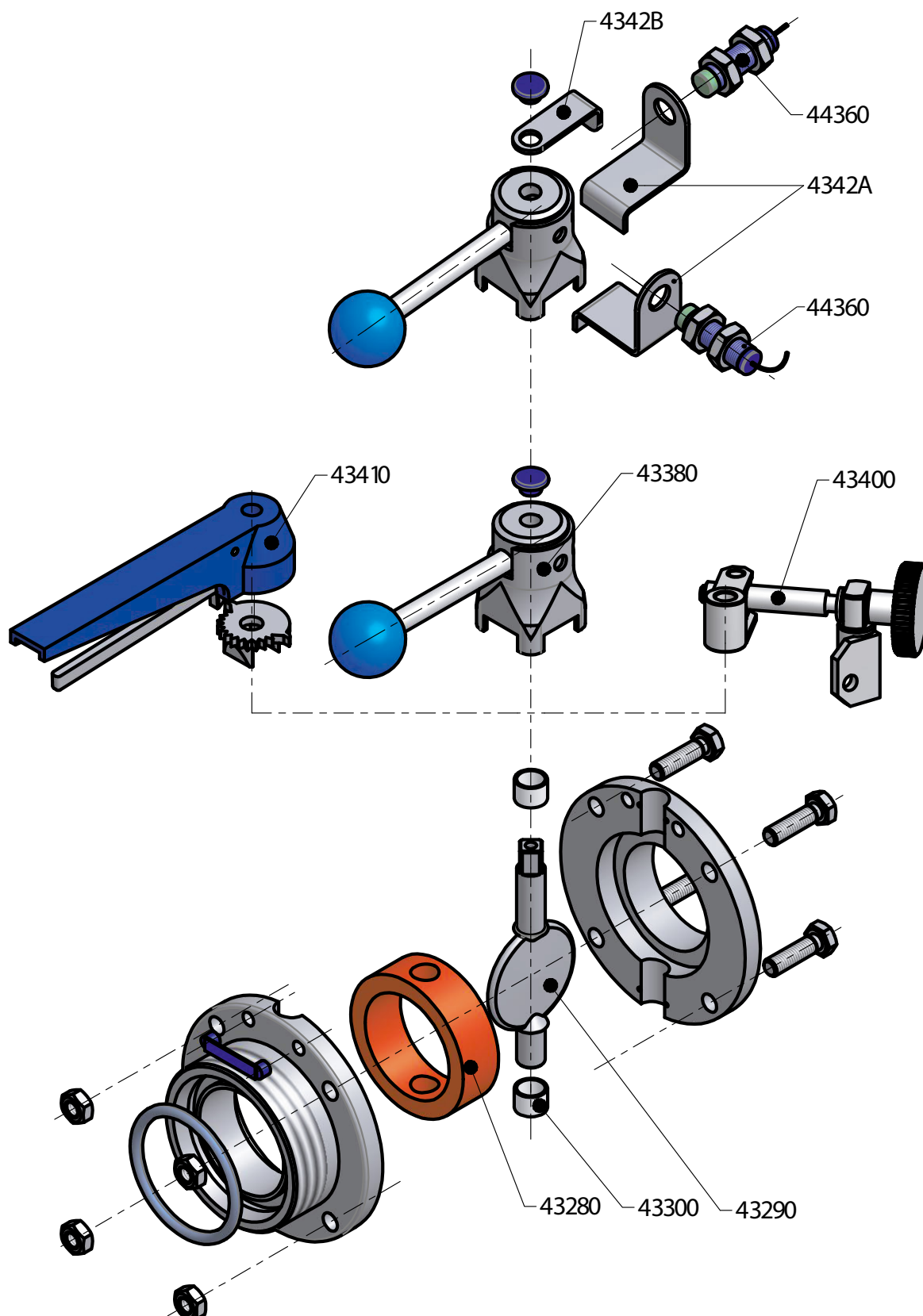
Dimensions • Baumaße



DN	A	B	C	D	F	s	K	L	Rd x s	kg
10	35	10	60	90	14x4	1,5				0,58
15	35	16	65	95	14x4	1,5				0,65
20	38	20	75	105	14x4	1,5				0,95
25	38	26	85	115	14x4	1,5				1,14
32	40	32	100	140	18x4	1,5				1,6
40	42	38	110	150	18x4	1,5				1,8
50	45	50	125	165	18x4	1,5				2,53
65	45	66	145	185	18x4	2				3,06
80	50	81	160	200	18x8	2				3,7
100	52	100	180	220	18x8	2				4,62
125	55	125	210	250	18x8	2				6,3
150	55	150	240	285	22x8	2				7,75

Butterfly valve - variants control and signaling

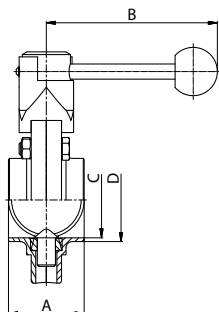
Scheibenventil - variaten kontrolle und signalisierung



Butterfly valve S - S
Scheibenventil S - S

43010

Dimensions • Baumaße

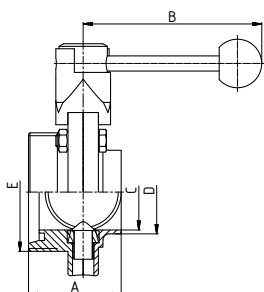


DN	A	B	C	D	E	F	R	L	Rd x s	kg
15	50	110	15	18						
20	50	110	19	22						
25	40	114	26	31						
32	42	114	32	37						
40	50	140	38	43						
50	50	140	50	55						
65	50	140	66	72						
80	60	174	81	87						
100	64	174	100	106						
125	100	210	125	138						
150	100	210	150	164						

Butterfly valve G - S
Scheibenventil G - S

43020

Dimensions • Baumaße

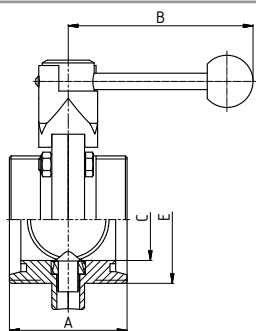


DN	A	B	C	D	E	F	R	L	Rd x s	kg
					DIN 405					
15	58	110	15	18	34x1/8"					
20	58	110	19	22	44x1/6"					
25	52	114	26	31	52x1/6"					
32	53	114	32	37	58x1/6"					
40	61	140	38	43	65x1/6"					
50	61	140	50	55	78x1/6"					
65	63	140	66	72	95x1/6"					
80	80	174	81	87	110x1/4"					
100	84	174	100	106	130x1/4"					
125	106	210	125	138	160x1/4"					
150	112	210	150	164	190x1/4"					

Butterfly valve G - G
Scheibenventil G - G

43030

Dimensions • Baumaße

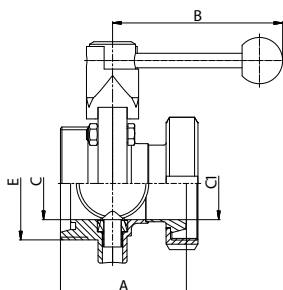


DN	A	B	C	E	F	F	R	L	Rd x s	kg
				DIN 405						
15	66	110	15	34x1/8"						
20	66	110	19	44x1/6"						
25	64	114	26	52x1/6"						
32	64	114	32	58x1/6"						
40	72	140	38	65x1/6"						
50	72	140	50	78x1/6"						
65	76	140	66	95x1/6"						
80	100	174	81	110x1/4"						
100	104	174	100	130x1/4"						
125	112	210	125	160x1/4"						
150	124	210	150	190x1/4"						

Butterfly valve G - K/M
Scheibenventil G - K/M

43040

Dimensions • Baumaße

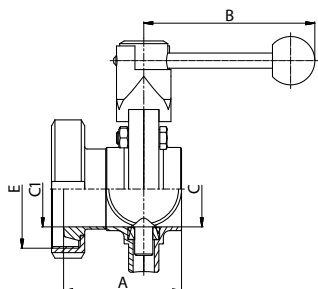


DN	A	B	C	C1	E	R	L	Rd x s	kg
					DIN 405				
15	73	110	15	16	38x1/8"				
20	74	110	19	20	44x1/6"				
25	74	114	26	26	52x1/6"				
32	78	114	32	32	58x1/6"				
40	87	140	38	38	65x1/6"				
50	89	140	50	50	78x1/6"				
65	95	140	66	66	95x1/6"				
80	117	174	81	81	110x1/4"				
100	128	174	100	100	130x1/4"				
125	138	210	125	125	160x1/4"				
150	147	210	150	150	190x1/4"				

Butterfly valve K/M - S
Scheibenventil K/M - S

43050

Dimensions • Baumaße

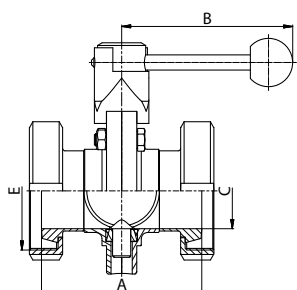


DN	A	B	C	C1	E	R	L	Rd x s	kg
DIN 405									
15	65	110	15	16	34x1/8"				
20	66	110	19	20	44x1/6"				
25	60	114	26	26	52x1/6"				
32	65	114	32	32	58x1/6"				
40	74	140	38	38	65x1/6"				
50	76	140	50	50	78x1/6"				
65	80	140	66	66	95x1/6"				
80	95	174	81	81	110x1/4"				
100	106	174	100	100	130x1/4"				
125	132	210	125	125	160x1/4"				
150	135	210	150	150	190x1/4"				

Butterfly valve K/M - K/M
Scheibenventil K/M - K/M

43060

Dimensions • Baumaße

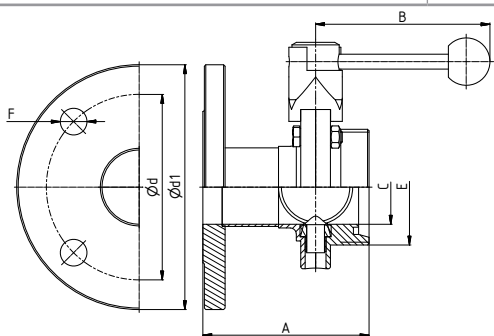


DN	A	B	C	E	F	G	R	L	Rd x s	kg
DIN 405										
15	80	110	16	38x1/8"						
20	82	110	20	44x1/6"						
25	80	114	26	52x1/6"						
32	88	114	32	58x1/6"						
40	98	140	38	65x1/6"						
50	102	140	50	78x1/6"						
65	110	140	66	95x1/6"						
80	130	174	81	110x1/4"						
100	148	174	100	130x1/4"						
125	164	210	125	160x1/4"						
150	170	210	150	190x1/4"						

Butterfly valve PN - G
Scheibenventil PN - G

4307B

Dimensions • Baumaße

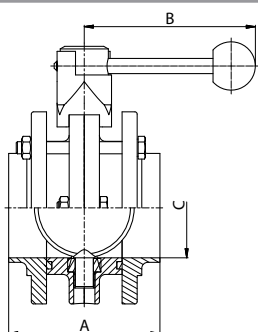


DN	A	B	C	E	d	d1	F	L	Rd x s	kg
DIN 405										
25	106	114	26	52x1/6"	85x4	115	14			
32	106	114	32	58x1/6"	100x4	140	18			
40	110	140	38	65x1/6"	110x4	150	18			
50	112	140	50	78x1/6"	125x4	165	18			
65	122	140	66	95x1/6"	145x4	185	18			
80	135	174	81	110x1/4"	160x8	200	18			
100	140	174	100	130x1/4"	180x8	220	18			

Butterfly valve PN - PN
Scheibenventil PN - PN

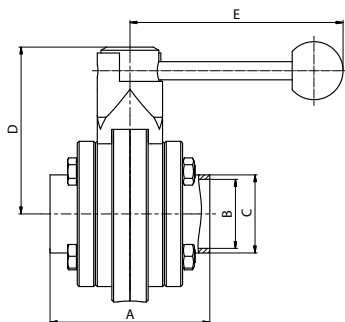
43080

Dimensions • Baumaße



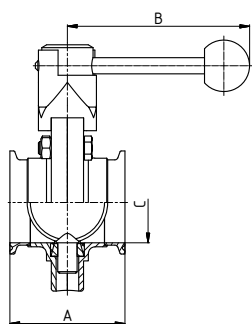
DN	A	B	C	E	F	F	R	L	Rd x s	kg
25	84	114	26							
32	86	114	32							
40	100	140	38							
50	100	140	50							
65	100	140	66							
80	120	174	81							
100	146	174	100							
125	168	210	125							
150	188	210	150							

Compact flange butterfly valve PN - PN
Kompaktzwischenflansch-
Scheibenventil PN - PN

43081
Dimensions • Baumaße


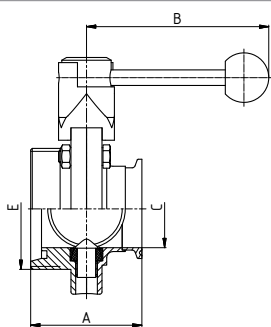
DN	A	B	C	D	E	F	R	L	Rd x s	kg
25	78	26	31	87	117					
32	78	32	37	90	117					
40	88	38	43	92	126					
50	88	50	53	98,5	126					
65	88	66	72	107,5	126					
80	120	81	87	120	153					
100	124	100	106	130	153					
125	140	125	132	160	205					
150	160	150	157	175	205					

Butterfly valve C - C
Scheibenventil C - C

43090
Dimensions • Baumaße


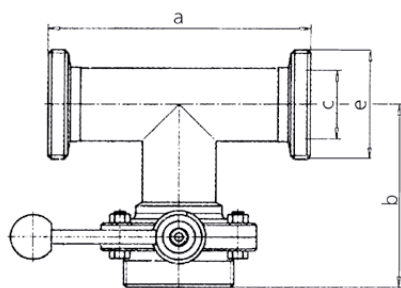
DN	A	B	C	D	E	F	R	L	Rd x s	kg
25	61,4	114	26							
32	63,4	114	32							
40	71,4	140	38							
50	71,4	140	50							
65	71,4	140	66							
80	81,4	174	81							
100	91,6	174	100							

Butterfly valve S - C
Scheibenventil S - C

43101
Dimensions • Baumaße


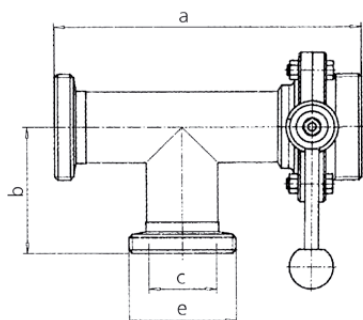
DN	A	B	C	D	E	F	R	L	Rd x s	kg
25	50,7	114	26							1,3
32	52,7	114	32							1,4
40	60,7	140	38							1,6
50	60,7	140	50							1,8
65	60,7	140	66							2,2
80	70,7	174	81							3,9
100	77,8	174	100							4,6

Tee with one butterfly valve G - G - G
Mehrwege-Scheibenventil G - G - G

43110
Dimensions • Baumaße


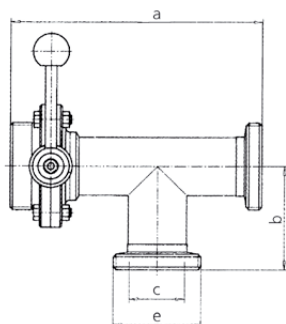
DN	A	B	C	E	F	F	R	L	Rd x s	kg
25	144	100	26	DIN 405 52x1/6"						
32	154	106	32	58x1/6"						
40	164	119	38	65x1/6"						
50	186	127	50	78x1/6"						
65	210	141	66	95x1/6"						
80	230	168	81	110x1/4"						
100	260	182	100	130x1/4"						
125	446	291,5	125	160x1/4"						
150	530	335	150	190x1/4"						

Tee with one butterfly valve G - G - G
Mehrwege-Scheibenventil G - G - G

43120
Dimensions • Baumaße


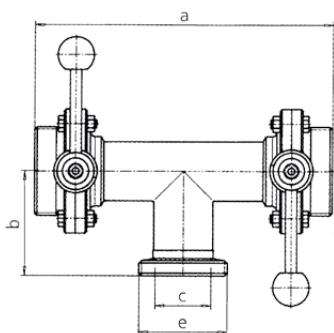
DN	A	B	C	E	F	G	R	L	Rd x s	kg
				DIN 405						
25	172	72	26	52x1/6"						
32	183	77	32	58x1/6"						
40	201	82	38	65x1/6"						
50	222	93	50	78x1/6"						
65	146	105	66	95x1/6"						
80	283	115	81	110x1/4"						
100	312	130	100	130x1/4"						
125	514,5	223	125	160x1/4"						
150	600	265	150	190x1/4"						

Tee with one butterfly valve G - G - G
Mehrwege-Scheibenventil G - G - G

43130
Dimensions • Baumaße


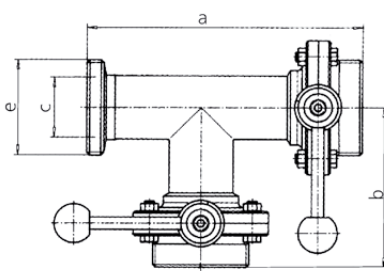
DN	A	B	C	E	F	G	R	L	Rd x s	kg
				DIN 405						
25	172	72	26	52x1/6"						
32	183	77	32	58x1/6"						
40	201	82	38	65x1/6"						
50	222	93	50	78x1/6"						
65	146	105	66	95x1/6"						
80	283	115	81	110x1/4"						
100	312	130	100	130x1/4"						
125	514,5	223	125	160x1/4"						
150	600	265	150	190x1/4"						

Tee with two butterfly valves G - G - G
Mehrwege-Scheibenventil G - G - G

43140
Dimensions • Baumaße


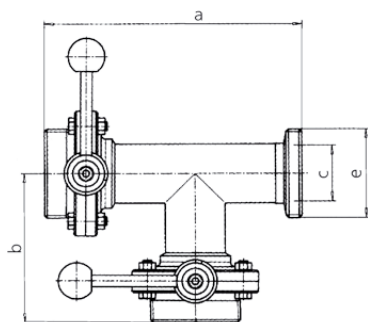
DN	A	B	C	E	F	G	R	L	Rd x s	kg
				DIN 405						
25	200	72	26	52x1/6"						
32	212	77	32	58x1/6"						
40	238	82	38	65x1/6"						
50	258	93	50	78x1/6"						
65	282	105	66	95x1/6"						
80	336	115	81	110x1/4"						
100	364	130	100	130x1/4"						
125	583	223	125	160x1/4"						
150	670	265	150	190x1/4"						

Tee with two butterfly valves G - G - G
Mehrwege-Scheibenventil G - G - G

43150
Dimensions • Baumaße


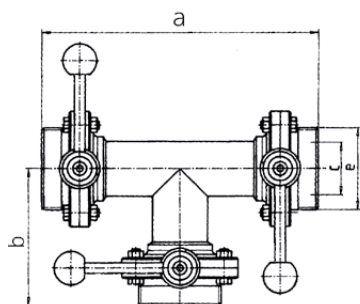
DN	A	B	C	E	F	G	R	L	Rd x s	kg
				DIN 405						
25	172	100	26	52x1/6"						
32	183	106	32	58x1/6"						
40	201	119	38	65x1/6"						
50	222	127	50	78x1/6"						
65	246	141	66	95x1/6"						
80	283	168	81	110x1/4"						
100	312	182	100	130x1/4"						
125	514,5	291,5	125	160x1/4"						
150	600	335	150	190x1/4"						

Tee with two butterfly valves G - G - G
Mehrwege-Scheibenventil G - G - G

43160
Dimensions • Baumaße


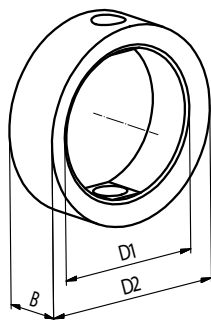
DN	A	B	C	E	E	F	R	L	Rd x s	kg
				DIN 405						
25	172	100	26	52x1/6"						
32	183	106	32	58x1/6"						
40	201	119	38	65x1/6"						
50	222	127	50	78x1/6"						
65	246	141	66	95x1/6"						
80	283	168	81	110x1/4"						
100	312	182	100	130x1/4"						
125	514,5	291,5	125	160x1/4"						
150	600	335	150	190x1/4"						

Tee with three butterfly valves G - G - G
Mehrwege-Scheibenventil G - G - G

43170
Dimensions • Baumaße


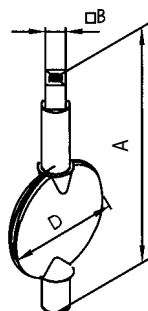
DN	A	B	C	E	F	F	R	L	Rd x s	kg
				DIN 405						
25	200	100	26	52x1/6"						1,34
32	212	106	32	58x1/6"						1,39
40	238	119	38	65x1/6"						1,56
50	258	127	50	78x1/6"						1,76
65	282	141	66	95x1/6"						2,24
80	336	168	81	110x1/4"						3,91
100	364	182	100	130x1/4"						4,56
125	583	291,5	125	160x1/4"						
150	670	335	150	190x1/4"						

Gasket for butterfly valve
Dichtung für Scheibenventil

43280
Dimensions • Baumaße


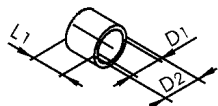
DN	D1	D2	B	C	E	F	R	L	Rd x s	kg
25	26	40	20							
32	32	48	20							
40	38	54	21							
50	51	67	21							
65	67	85	22							
80	82	101	24							
100	101	116	26							
125	125	151	29							
150	150	175	29							

Butterfly disc
Drehklappe für Scheibenventil

43290
Dimensions • Baumaße


DN	A	B	C	D	E	F	R	L	Rd x s	kg
25	80	9,5		26						0,05
32	87,6	9,5		32						0,06
40	93,6	9,5		38						0,10
50	111	9,5		50						0,15
65	128,1	9,5		66						0,24
80	143,8	9,5		81						0,39
100	163,9	9,5		100						0,63
125	214	14,0		125						1,16
150	245,8	14,0		150						2,00

Butterfly valve busching (pair)
Scheibenventil-buchse (paar)

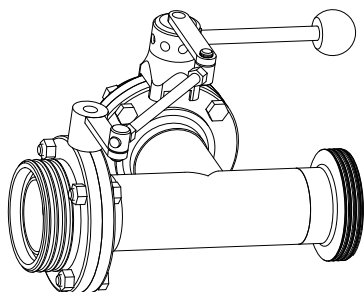
43300
Dimensions • Baumaße


DN	D1	D2	L1	E	R	L	Rd x s	kg
25	10	12	5					
32	10	12	5					
40	12	14	10					
50	12	14	10					
65	12	14	10					
80	14	16	12					
100	14	16	12					
125	18	20	18					
150	18	20	18					

Tee with two butterfly valves G - G - G
with combination handle

43310
Dimensions • Baumaße

Mehrwege-Scheibenventil G - G - G mit Schaltkombination

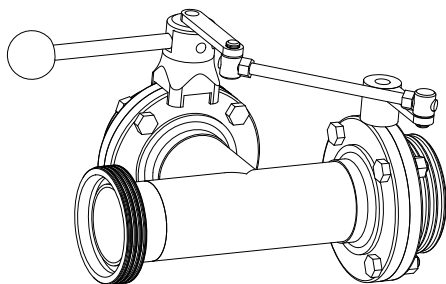


DN	A	B	C	E	R	L	Rd x s	kg
25								
32								
40								
50								
65								
80								
100								
125								
150								

Tee with two butterfly valves G - G - G
with combination handle

43320
Dimensions • Baumaße

Mehrwege-Scheibenventil G - G - G mit Schaltkombination

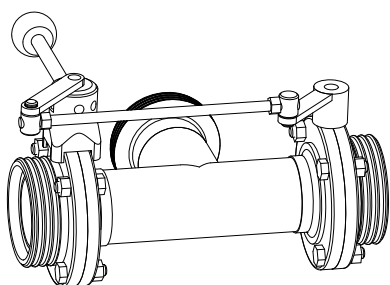


DN	A	B	C	E	R	L	Rd x s	kg
25								
32								
40								
50								
65								
80								
100								
125								
150								

Tee with two butterfly valves G - G - G
with combination handle

43330
Dimensions • Baumaße

Mehrwege-Scheibenventil G - G - G mit Schaltkombination



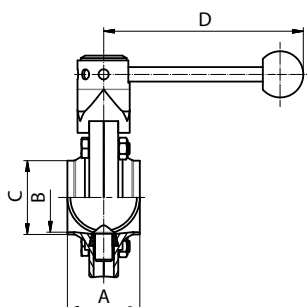
DN	A	B	C	E	R	L	Rd x s	kg
25								
32								
40								
50								
65								
80								
100								
125								
150								

Butterfly valve SMS S - S
Scheibenventil SMS S - S

46010

Dimensions • Baumaße

SMS



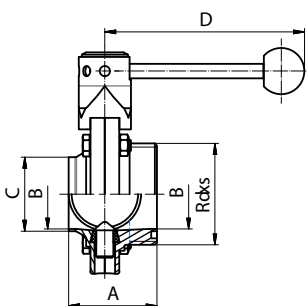
DN	A	B	C	D	F	F	R	L	Rd x s	kg
25	40	22	25	102,5						
38	50	35	38	102,5						
51	50	48	51	132,5						
63,5	50	60,5	63,5	132,5						
76,1	60	72,1	76,1	155						
101,6	64	97,6	101,6	155						

Butterfly valve SMS S - G
Scheibenventil SMS S - G

46020

Dimensions • Baumaße

SMS



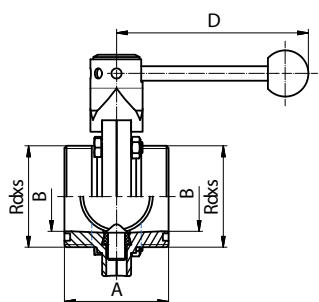
DN	A	B	C	D	E	G	R	L	Rd x s	kg
25	52	22	25	102,5					DIN 405	
38	61	35	38	102,5					40x1/6"	
51	61	48	51	132,5					60x1/6"	
63,5	63	60,5	63,5	132,5					70x1/6"	
76,1	80	72,1	76,1	155					85x1/6"	
101,6	84	97,6	101,6	155					98x1/6"	
									125x1/4"	

Butterfly valve SMS G - G
Scheibenventil SMS G - G

46030

Dimensions • Baumaße

SMS



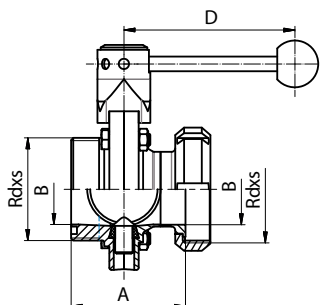
DN	A	B	D	E	F	F	R	L	Rd x s	kg
25	64	22	102,5						DIN 405	
38	72	35	102,5						40x1/6"	
51	72	48	132,5						60x1/6"	
63,5	76	60,5	132,5						70x1/6"	
76,1	100	72,1	155						85x1/6"	
101,6	104	97,6	155						98x1/6"	
									125x1/4"	

Butterfly valve SMS G - K/M
Scheibenventil SMS G - K/M

46040

Dimensions • Baumaße

SMS



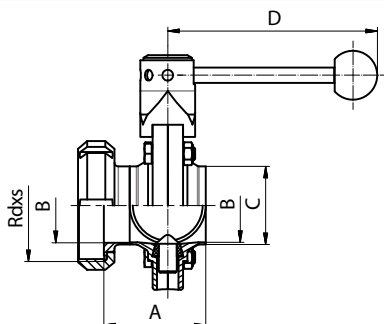
DN	A	B	D	E	F	G	R	L	Rd x s	kg
25	67,5	22	102,5						DIN 405	
38	77	35	102,5						40x1/6"	
51	78	48	132,5						60x1/6"	
63,5	80	60,5	132,5						70x1/6"	
76,1	99	72,1	155						85x1/6"	
101,6	103	97,6	155						98x1/6"	
									125x1/4"	

Butterfly valve SMS K/M - S
Scheibenventil SMS K/M - S

46050

SMS

Dimensions • Baumaße



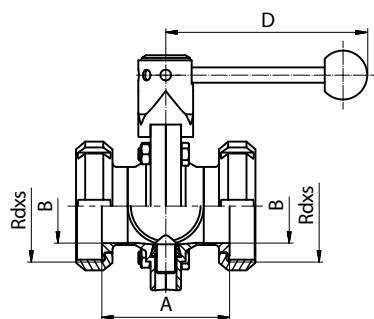
DN	A	B	C	D	F	F	R	L	Rd x s	kg
									DIN 405	
25	55,5	22	25	102,5					40x1/6"	
38	66	35	38	102,5					60x1/6"	
51	67	48	51	132,5					70x1/6"	
63,5	67	60,5	63,5	132,5					85x1/6"	
76,1	79	72,1	76,1	155					98x1/6"	
101,6	83	97,6	101,6	155					125x1/4"	

Butterfly valve SMS K/M - K/M
Scheibenventil SMS K/M - K/M

46060

SMS

Dimensions • Baumaße

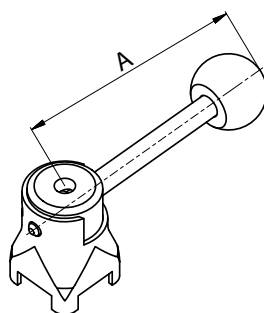


DN	A	B	D	D	E	G	R	L	Rd x s	kg
									DIN 405	
25	55,5	22	102,5						40x1/6"	
38	66	35	102,5						60x1/6"	
51	67	48	132,5						70x1/6"	
63,5	67	60,5	132,5						85x1/6"	
76,1	79	72,1	155						98x1/6"	
101,6	83	97,6	155						125x1/4"	

Handle for butterfly valve
Zuggriff für Scheibenventil

43380

Dimensions • Baumaße

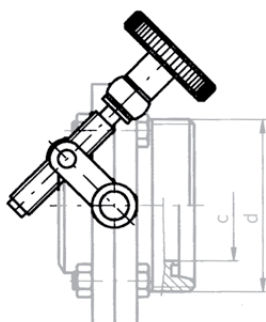


DN	A	B	D	E	F	F	R	L	Rd x s	kg
25-40	114									
50-65	140									
80-100	174									
125-150	210									

Handle-screw
Handgriff stufenlos

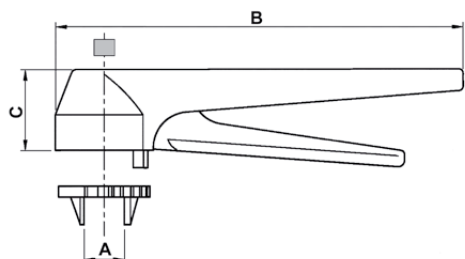
43400

Dimensions • Baumaße

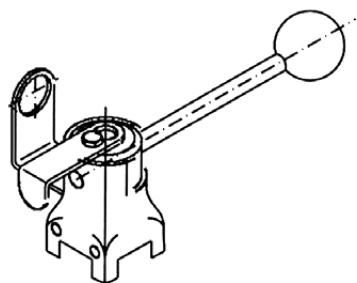


DN	A	B	D	E	F	G	R	L	Rd x s	kg
25										
32										
40										
50										
65										
80										
100										
125										
150										

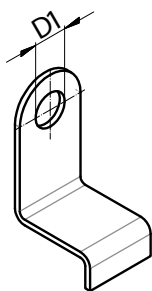
43410

[illegible]

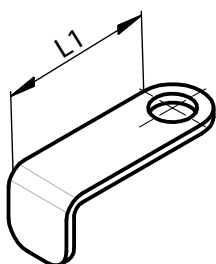
43420

[illegible]

4342A

[illegible]

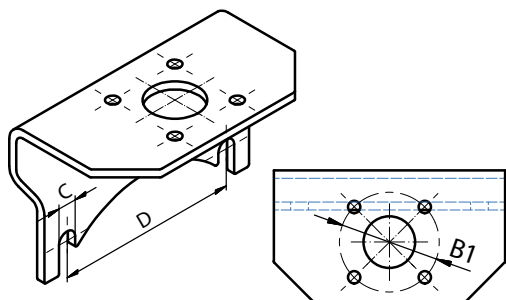
4342B

[illegible]

Bracket of pneumatic actuator
Haltekonsole universal

43900

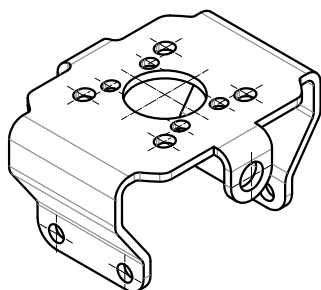
Dimensions • Baumaße

[illegible]

Bracket of pneumatic acutator for 43081
Haltekonsole für 43081

43906

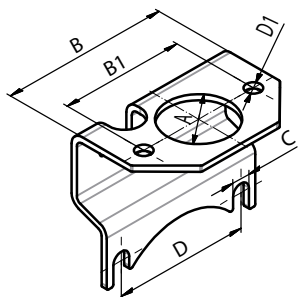
Dimensions • Baumaße

[illegible]

Bracket of pneumatic actuator Type **D**
Haltekonsole universal Typ **D**

43910

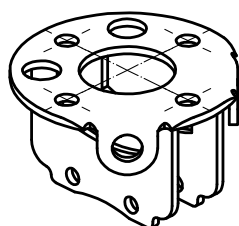
Dimensions • Baumaße

[illegible]

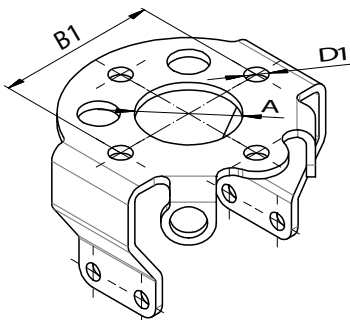
Bracket of pneumatic actuator Type **C**
Haltekonsole universal Typ **C**

43920

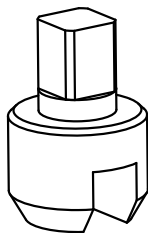
Dimensions • Baumaße

[illegible]

43926

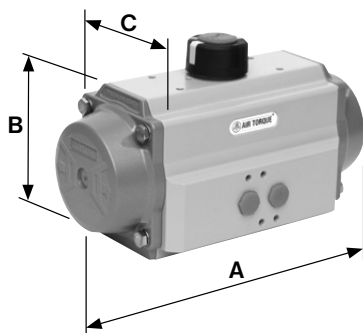
[illegible]

43940

[illegible]

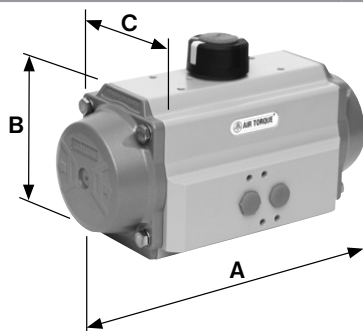
44050

[AIR-5 bar] [SGRING]

[illegible]

44100

[AIR-5 bar]

[illegible]

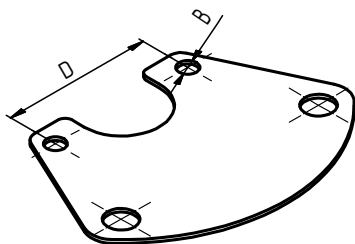
[illegible][illegible]

Pneumatic actuator S-R Pneumatischer Antrieb L-F	44200	Dimensions • Baumaße									
	TYP	A	B	D1	L2	L1	G	R	L	Mk (Nm)	kg
	85		9,6	85	1/8"	174				35	3,8
	101		9,6	101	1/8"	185				45	4,5
Working time (90°): 1,5 sec. Working pressure (air): 5 - 6 bar										Maximum air pressure: 10 bar. Working temperature: 10 - 140°C	

[illegible]

Holding device
Halteblech für Näherungsinitiator

44231 Dimensions • Baumaße

[illegible]

Solenoid valve directly 3/2
Magnetventil direkt

44270 Dimensions • Baumaße



Anschluss / Air entry	G 1/8"
Nennweite / Dimension	1,3 mm
Arbeitsdruck / Air pressure	0-10 bar
Temperatur / Temperature	-10 °C - +70 °C
Schutzart / Enclosure	GI 65 - DIN 40050
Spannung / Voltage	24V AC 24V DC 230V AC
Leistung / Gower consumption	5VA 3W 5VA
Nenndurchfluss / Air flow	50 l/min

Description

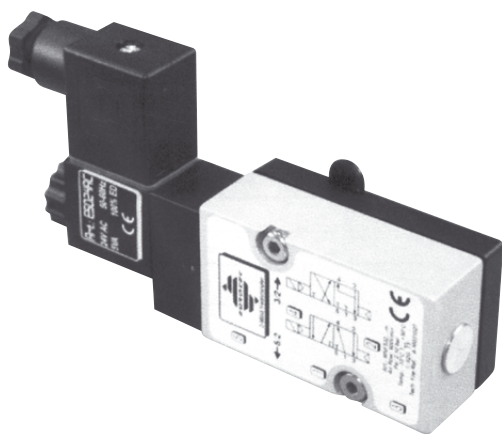
- Solenoid valve directly operated with 3/2- ways function
- All entries have G 1/8"
- Single stable version
- Body Aluminium anodised, with minimal external dimensions
- Giston Stainless steel AISI 303
- Sealings NBR
- Screws Stainless steel AISI 304

Beschreibung

- Magnetventil direkt gesteuert mit 3/2- Wege Funktion
- Alle Anschlüsse haben G1/8"
- Federrückstellung
- Gehäuse Aluminium eloxiert, mit minimalen Außenabmessungen
- Kolben Edelstahl 1.4305
- Dichtungen NBR
- Schrauben Edelstahl 1.4301

Solenoid valve
Magnetventil

44300 Dimensions • Baumaße



DN	A	B	D1	D2	L1	F	R	L	Rd x s	kg
----	---	---	----	----	----	---	---	---	--------	----

Description

- Solenoid valve NAMUR with combined 5/2 - and 3/2 - ways function with standard coil and connector
- Easy change over from 5/2 - to 3/2 - ways operation by innovative sealing plate
- Single stable version
- Manual override as standard
- Body Aluminium anodised, with minimal external dimensions
- NAMUR coupling plate GA 6 - 30 % Glass fibre
- Giston Stainless steel AISI 303, Sealings NBR, Screws Stainless steel AISI 304

Beschreibung

- Magnetventil NAMUR mit kombinierter 5/2 - und 3/2 - Wege Funktion mit Standardspule und Gerätestecker
- Leichtes Umschalten von 5/2 - auf 3/2 - Wege durch innovative Wendedichtung
- Luftfederrückstellung
- Serienmäßig mit Notbetätigung
- Gehäuse Aluminium eloxiert, mit minimalen Außenabmessungen
- NAMUR Adapterplatte GA6 - 30% GF
- Kolben Edelstahl 1.4305, Dichtungen NBR, Schrauben Edelstahl 1.4301

Anschluss / Air entry	G 1/4"
Nennweite / Dimension	5,5 mm
Arbeitsdruck / Air pressure	2-10 bar
Temperatur / Temperature	-10 °C - +50 °C
Schutzart / Enclosure	GI 65 - DIN 40050
Spannung / Voltage	24V AC 24V DC 230V AC
Leistung / Gower consumption	5VA 3W 5VA
Nenndurchfluss / Air flow	950 l/min

[illegible][illegible][illegible][illegible]

Air connect 90°
Air connect 90°

44435

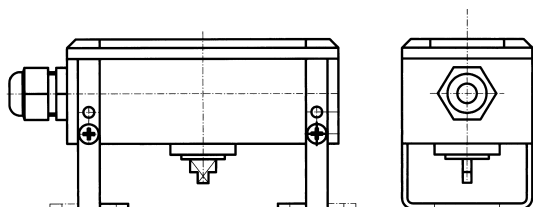
Dimensions • Baumaße

[illegible]

Inductive proximity switches
Induktive Näherungsschalter

44450

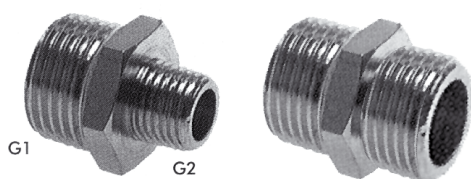
Dimensions • Baumaße

[illegible]

External nipple
Externer nipple

44500

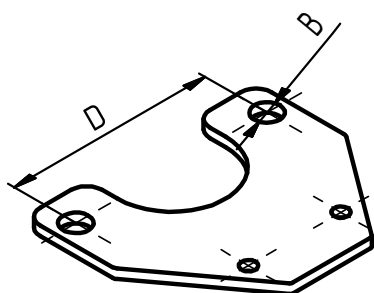
Dimensions • Baumaße

[illegible]

Suport of lower sensor
Halteblech für Doppel-Näherungsinitiator

44511

Dimensions • Baumaße

[illegible]

[illegible]

Dual sensor Doppel-Näherungsinitiator	44530	Dimensions • Baumaße
		DN A B C E F G R L Rd x s kg
 		General specifications Switching element function PNG Dual NO Rated operating distance sn 3 mm Installation flush mountable Output polarity DC Assured operating distance sa 0 - 2,43 mm Nominal ratings Operating voltage UB 10 - 30 V DC Switching frequency f 0 - 500 Hz Hysteresis H typ. 5 % Reverse polarity protected all connections Short-circuit protection pulsing Voltage drop Ud ≤ 3 V Operating current IL 0 - 200 mA Off-state current Ir 0 - 0,5 mA typ. 0,1 µA at 25 °C No-load supply current I0 ≤ 25 mA Operating voltage display LED, green Indication of the switching state LED, yellow Ambient conditions Ambient temperature -25 ... 70 °C (-13 ... 158 °F) Storage temperature -40 ... 85 °C (-40 ... 185 °F)

Cable connector 90° Konnektor 90°	44540	Dimensions • Baumaße										
		DN	A	B	C	E	F	G	R	L	Rd x s	kg
		General specification										
		Number of poles					4					
		Construction type					Socket, angled					
		Electrical specification										
		Operating voltage					max. 60 V DC					
		Operating current					max. 4 A					
		Volume resistance					< 5 mohm					
		Ambient conditions										
		Ambient temperature					-5 ... 70°C (268 ... 343 K) active					
							-30 ... 80°C (243 ... 353 K) unmoved					
		Degree of soiling					3					

Cable conector Konnektor	44541	Dimensions • Baumaße										
		DN	A	B	C	D	E	F	R	L	Rd x s	kg
		General specifications										
		Number of pins					4					
		Connection 1					female connector					
		Construction type 1					straight					
		Threading 1					M12					
		Connection 2					cable end					
		Electrical specifications										
		Operating voltage					U _b	max. 250 V AC/DC				
		Operating current						max. 4 A				
		Volume resistance						< 5 mΩ				
		Ambient conditions										
		Ambient temperature Body:					-40 ... 90 °C cable, fixed: -40 ... 80 °C cable, flexing: -25 ... 80 °C					
		Gollution Degree					3					

Electric drive
Elektroantrieb

44590

Dimensions • Baumaße



DN	A	B	C	D	E	F	R	L	Rd x s	kg
Type	Max Torque Nm	Flange ISO	Switch On-Off	Switch Positioner	24V DC	Operating Time, 90°	85-240VAC 50 - 60 HZ	1x220-23 VAC 50 - 60 HZ	Power kW	
AQ3L	30	F03/F04/F05	✓	✓	✓	15	✓	×	0,02	
AQ7L	70	F05/F07	✓	✓	✓	15	✓	×	0,02	
AQ15	150	F05/F07	✓	✓	✓	30 / 25	×	✓	0,03	

Control box
Steuerkopf

44710-C3

Dimensions • Baumaße



TYPES: **44710 C3A** EKO - air manifold GOM + 2x micro switch, LED
44710 C3B STANDARD - air manifold GOM + 2x proximity sensor, LED
44710 C3C MAX - air manifold 1.4301 + 2x proximity sensor, LED

POSITION SENSING: micro switch: 12 - 30 V
proximity sensor: 12 - 30 V

SOLENOID VALVE: 24 V DC

LED LIGHTING: 3W (red and green)

AIR CONNECTION: for compressed air hose 6/4

TEMPERATURE OF ENVIRONMENT: -15°C to +60°C

Digital electropneumatic positioner
Elektropneumatischer Stellungsregler

44800

Dimensions • Baumaße



The robust and compact positioner is designed to standardisation acc. to IEC 534-6 or VDI/VDE 3845 for assembly with linear and rotary actuators. In addition, the remote version with the displacement position sensor can be combined with Bürkert process control valves. The digital electropneumatic positioner SideControl can be operated with the usual current and voltage standard signals and can also be equipped with the fieldbus interface GROBUS DGV1. Additionally to the digital graphic display the valve opening is signaled by a mechanical indicator element.

Operation occurs via the external operation and display module. It consists of a backlit graphical display and a robust transparency keyboard with four keys with software driven function indication. For the user operation is very simple and clear, identical to the Bürkert positioner or process controller TopControl, Type 8692/8693.

The pilot valve system can be used equally for single and double-acting drives. It is characterised by a defined safety feature in case of failure of the electrical or pneumatic power supply and possesses an enormous air capacity range with pressure supply up to 7 bar.

DN	A	B	C	E	F	F	R	L	Rd x s	kg
Material Body Seal		Aluminium plastic-coated EGDM, NBR, FKM								
Operating voltages		24 VDC +/- 10%								
Residual ripple		max. 10%								
Setpoint setting		0/4 to 20 mA and 0 to 5/10 V								
Input resistance		0/4 to 20 mA: 180 Ω 0 to 5/10 mA: 19 kΩ								
Analogue feedback		4 - 20 mA, 0 - 20 mA 0 - 10 V, 0 - 5 V								
Binary input		galvanically isolated, 0 - 5 V = log "0", 10 - 30 V = log "1"								
Binary output		2 Outputs (optional), galvanically separated								
Current limit		100 mA, Output will be synchronised when overloaded								
Control medium		Neutral gases, air DIN ISO 8573-1								
Dust concentration		Class 5 (< 40 µm particle size)								
Particle density		Class 5 (< 10 mg/m³)								
Gressure condensation point		Class 3 (< -20°C)								
Oil concentration		Class 5 (< 25 mg/m³)								
Ambient temperature		0 to +6°C								
Gilot air ports		Threaded ports G 1/4								
Supply pressure		1,4 to 7 bar ¹⁾								
Air supply filter		Exchangeable (aperture size ~ 0,1 mm)								
Actuator system		single and double-acting to 150 l/min.								
Air capacity		95 l/min. (with 1,4 bar ²⁾) for aeration and ventilation 150 l/min (with 6 bar ²⁾) for aeration and ventilation Q _N = 100 lnp/min (acc. to the definition with decrease in pressure from 7 to 6 bar absolute)								
Position detection module		Gottometer, max. angle 1800								
Stroke range valve spindle		min. 30° on the rotary shaft, depending on lever								
Installation		as required, display above or sideways								
Type of protection		IG 65/67 acc. to EN 60529 (NEMA4x in preparation)								
Gower consumption		< 5 W								
Electrical connection		M12, 8-pin/4-pin; M8, 4-pin								
Multipole connection		2x M 20 x 1,5 (cable Ø 10 mm) on screw terminals (0,14 - 1,5 mm ²⁾								
Cable gland		1x M 12 x 1,5 (cable Ø 3 to 6,5 mm)								
Remote version		on request								
Bus communication		Groß bus DGV1 (optional)								
Inductive proximity switch		3 acc. to VDE 0580								
Protection class		II 3 G nA II B T4 (in preparation) II 3 D TD A22 T135° (in preparation)								
Type of ignition protection		EMV2004/108/EG								
Conformity		CSA (in preparation)								
Approvals										

- o Compact metal housing
- o Graphic display with backlight
- o Easy start-up
- o Comprehensive range of additional software functions
- o Grobus DGV 1 (optional)
- o Assembly acc. to IEC 534-6 / VDI VDE 3845

¹⁾ The supply pressure has to be 0,5 - 1 bar above the minimum required pilot pressure for the valve actuator

²⁾ Gressure specifications: Overpressure with respect to atmospheric pressure

Digital electropneumatic positioner Elektropneumatischer Stellungsregler

44801

Dimensions • Baumaße



The compact positioner Type 8692 is optimized for integrated mounting on the pneumatic actuators in the process valve series Type 23xx/2103 and is specially designed for the requirements of a hygienic process environment. The control air channel is integrated in the actuator without external tubings. The easy handling and the selection of additional software functions are done either on a big graphic display with backlight and keypad or over COMMUNICATOR.

The positioner registers the valve position without deterioration through a contact-free, analog position sensor. The control of single or double-acting actuators is done without internal air consumption. With integrated diagnostic functions operation conditions of the control valve can be monitored. Through status signals, valve diagnostic messages are transmitted according to NAMUR NE107 and recorded as history entries.

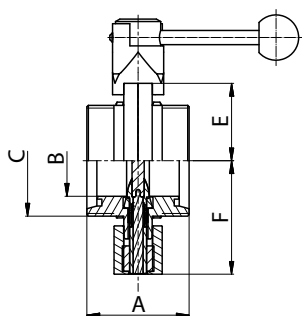
The housing is easy to clean and features proven IP protection and chemically resistant materials for use in hygienic processing, in food, beverage and pharmaceutical industries. Combined with Bürkert ELEMENT actuators the unique pilot valve system enables a compressed air recycling that avoids actuator chambers contamination from the environment.

Technical data	
Material	Body Cover Sealing
Power supply	PPS, stainless steel PC EPDM
Residual ripple	24 V DC $\pm$ 10 % UL: NEC Class 2 max. 10 %
Setpoint setting	0/4 to 20 mA and 0 to 5/10 V
Output resistance	0/4 to 20 mA: 180 Ω 0 to 5/10 V: 19 k Ω
Control medium	neutral gases, air, quality classes acc. to ISO 8573–1
Dust concentration	Class 7 (<40 μ m particle size)
Particle density	Class 5 (<10 mg/m ³)
Pressure condensation point	Class 3 (<-20 °C)
Oil concentration	Class X (<25 mg/m ³)
Ambient temperature	-10 to +55 °C
Pilot air ports	Threaded ports G ¹ / ₈ stainless steel or
Supply pressure	Low air flow rate 0 to 7 bar ¹⁾ High air flow rate 3 to 7 bar
Air input filter	Exchangeable (mesh aperture~0.1 mm)
Actuator system	
Actuator series Type 23xx	Low air flow rate : $\varnothing$ Actuator 70/90 mm High air flow rate: $\varnothing$ Actuator 130 mm
Actuator series Type 27xx	High air flow rate: $\varnothing$ Actuator 175/225 mm
Position detection module	Contact-free, wear-free
Stroke range valve spindle	3 to 45 mm
Installation	as required, preferably with actuator in upright position
Protection type	IP65/IP67 acc. to EN 60529, Type 4X acc. to NEMA 250 standard
Protection class	3 acc. to DIN EN 61140
Power consumption	<5 W
Electrical connection	
Multipole connection	M12, 8-pins or 4-pins
Cable gland	2xM16 $\times$ 1.5 (cable- $\varnothing$ 5–10 mm) with connection terminals for cable cross-sections 0.14–1.5 mm ²
Bus communication	PROFIBUS DP-V1, DeviceNet, EtherNet/IP, PROFINET, Mod-bus TCP, bÜS - Bürkert System Bus (based on CANopen)

Leakage butterfly valves G - G
Leckage Scheibenventil G - G

45613

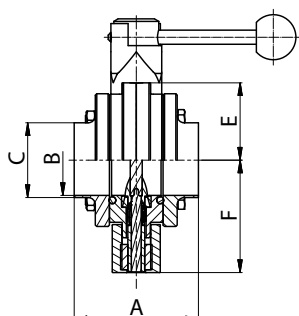
Dimensions • Baumaße

[illegible]

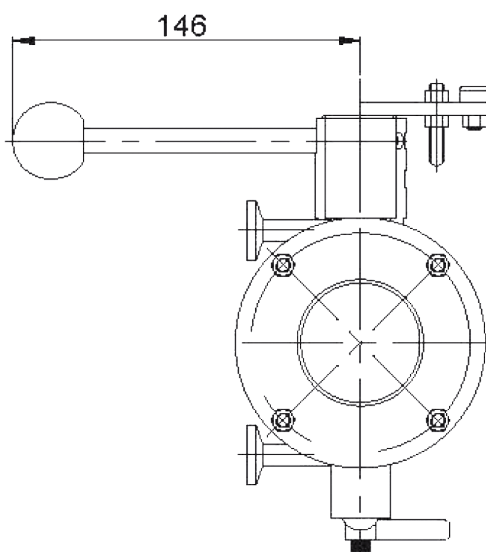
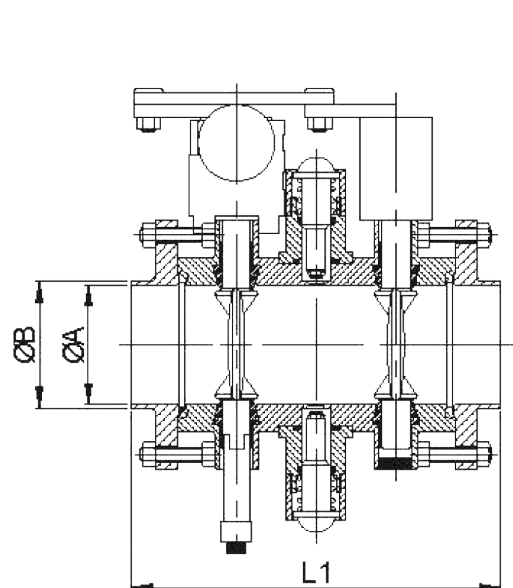
Leakage butterfly valve with compact flange S - S
Zwischenflansche Leakage Scheibenventil S - S

45618

Dimensions • Baumaße

[illegible]

Leakage butterfly valves G - G
Leckage Scheibenventil G - G



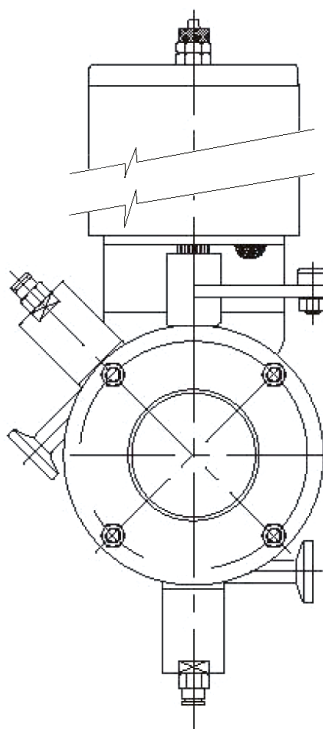
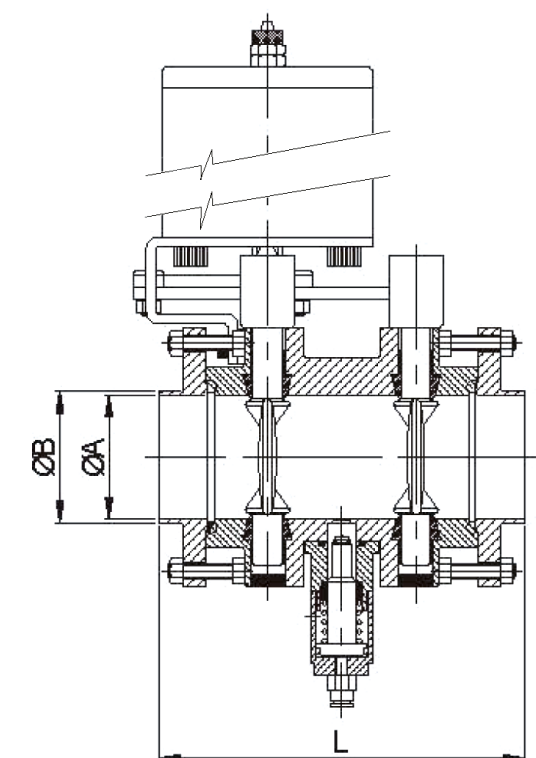
45628

Dimensions • Baumaße

DIN

DN	A	B	C	D
25	122		26	87
32	122		32	92
40	130		38	97
50	130		50	110
65	146		66	127
80	185		81	142
100	209		100	162
125				
150				

Leakage butterfly valves C - C
Leckage Scheibenventil S - S DIN



45628 - P20

Dimensions • Baumaße

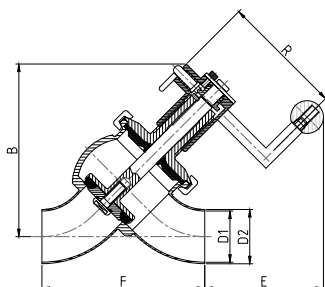
DIN

DN	A	B	C	D
25	148	30	26	87
32	148	36	32	92
40	158	42	38	97
50	158	54	50	110
65	170	71	66	127
80	221	86	81	142
100	221	105	100	162
125				
150				

Inline seat valve S - S, Type - Y
 Inline - ventil S - S, Typ - Y

47290

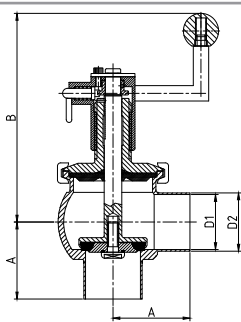
Dimensions • Baumaße

[illegible]

Angle seat valve S - S, Type - L
Eckventil S - S, Typ - L

47300

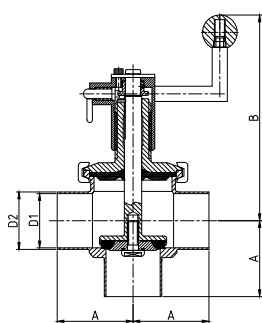
Dimensions • Baumaße

[illegible]

Double angle seat valve S - S - S, Type - T
Doppel eckventil S - S - S, Typ - T

47310

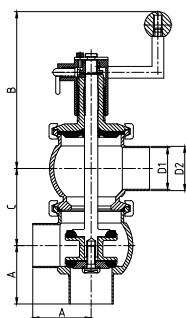
Dimensions • Baumaße

[illegible]

Change over valve S - S - S, Type - LL
Umstellventil S - S - S, Typ - LL

47320

Dimensions • Baumaße

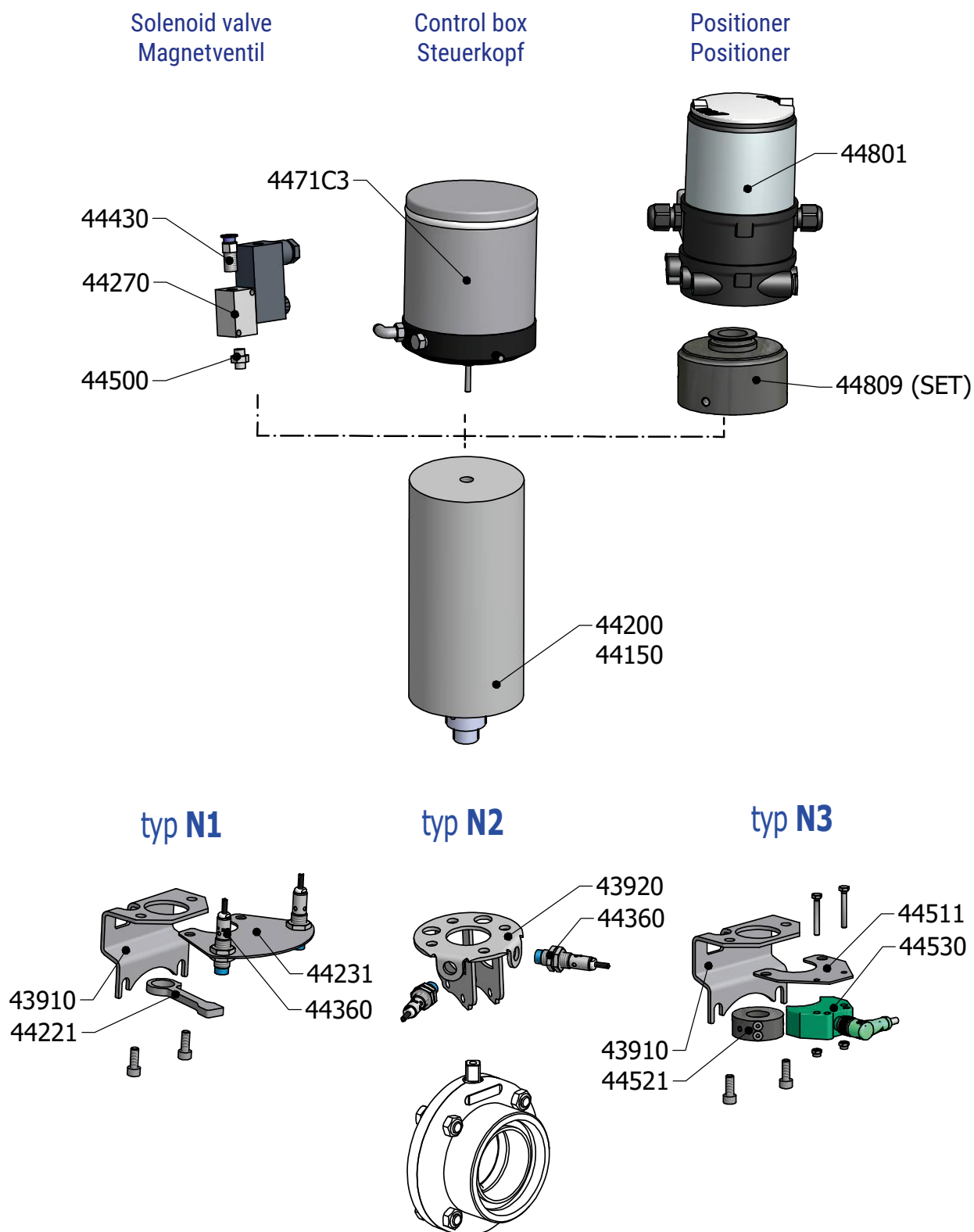
[illegible]

[illegible][illegible][illegible][illegible]

[illegible][illegible][illegible][illegible]

Butterfly valve with pneumatic actuator 44200 (44150) - variants signaling and control

Scheibenventil mit pneumatischantriebe 44200 (44150) - varianten signalisierung und kontrolle



Butterfly valve with pneumatic actuator Air Torque - variants signaling and control

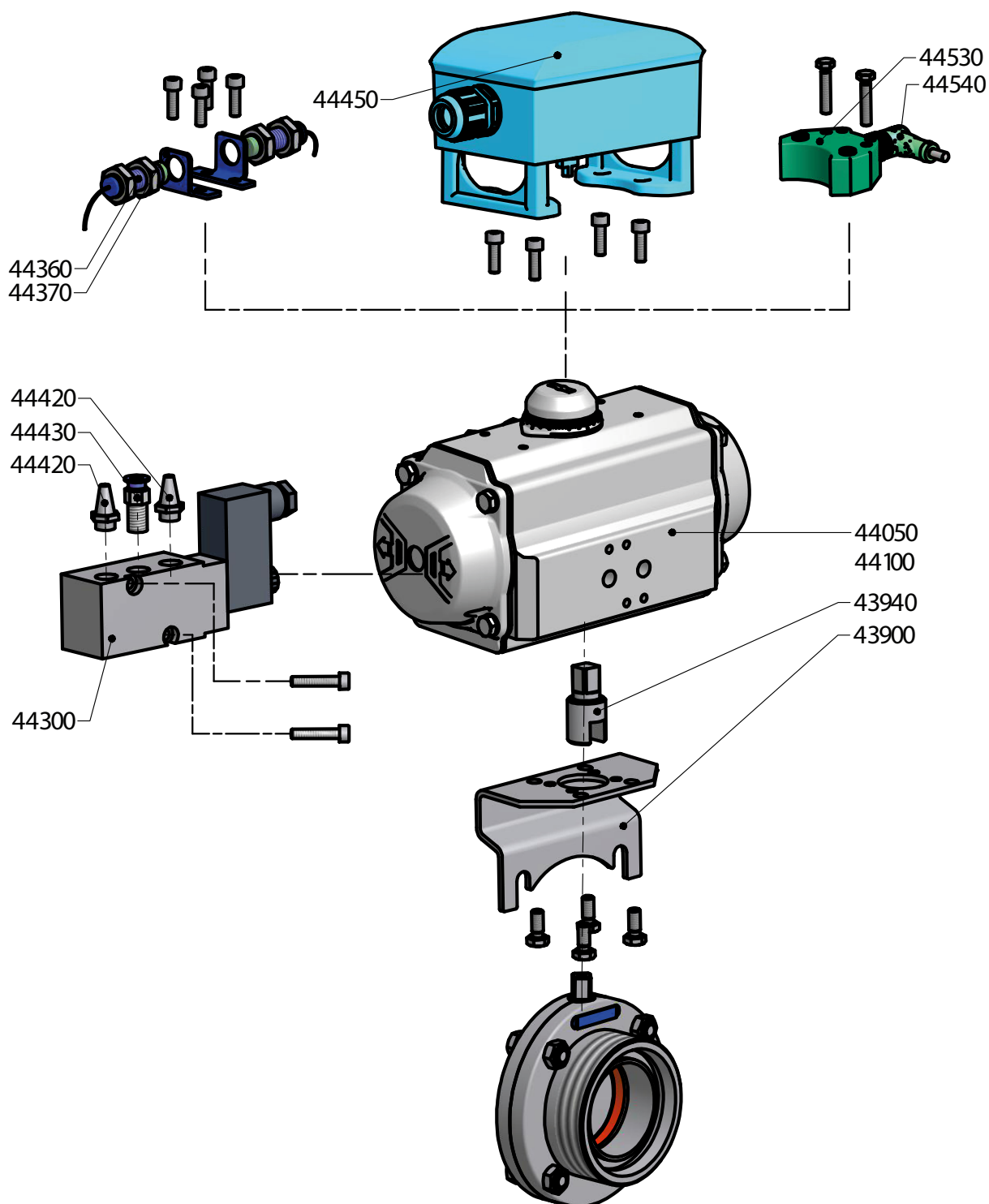
Scheibenventil mit pneumatischantriebe Air Torque - varianten signalisierung und kontrolle

Position detection – Positionserfassungs

Type A1

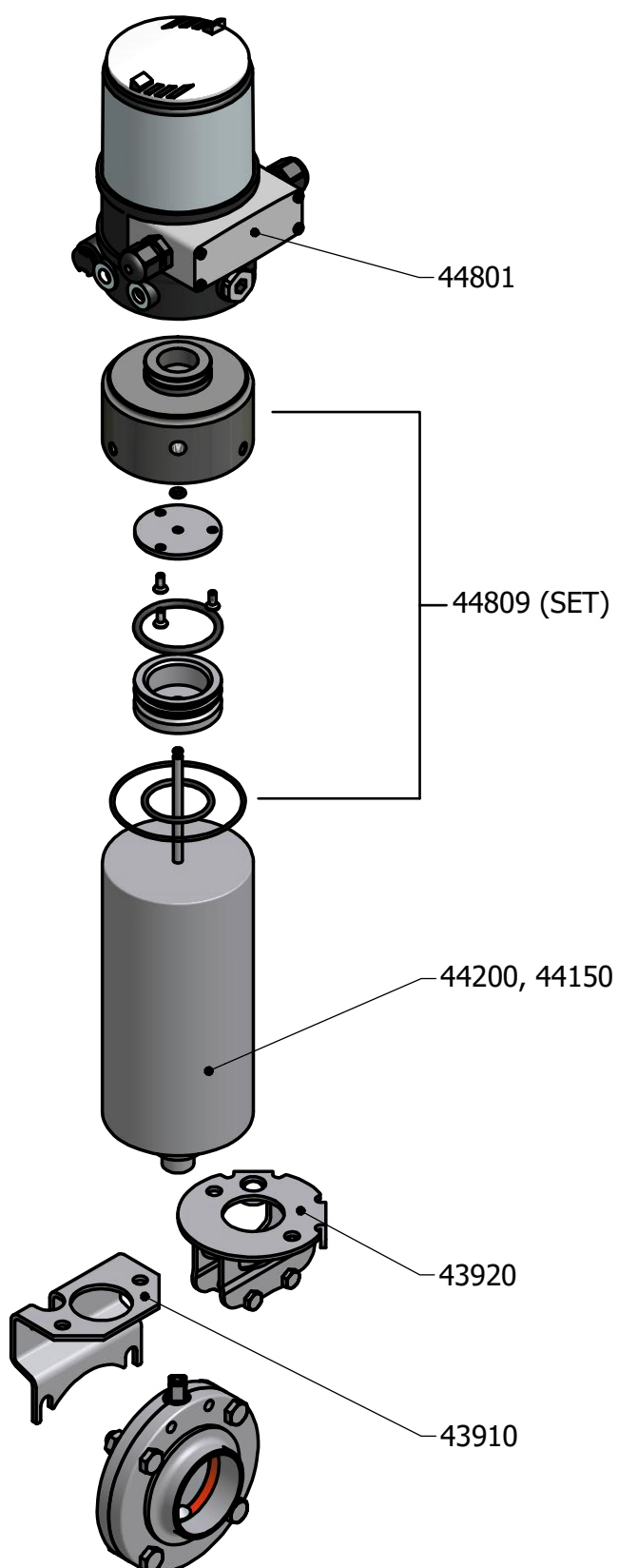
Type A2

Type A3

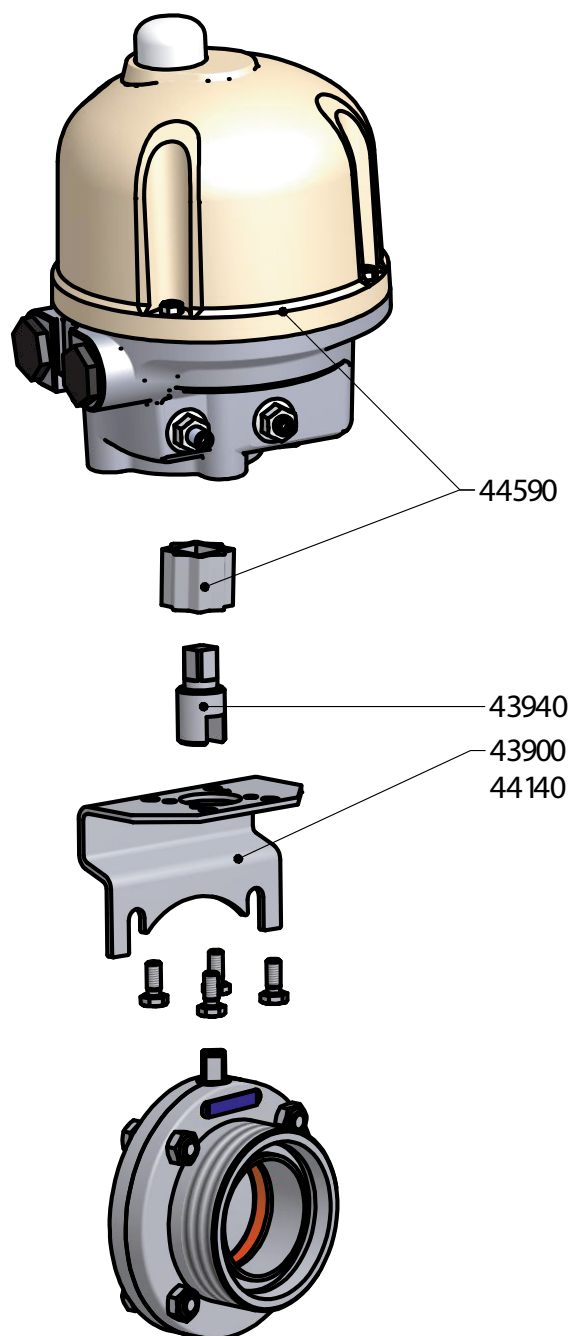


Flap and pneumatic actuator assembly with control head

Klappe und pneumatischer Antrieb mit Steuerkopf



Butterfly valve with electric drive
Scheibenventil mit Elektroantrieb



CONVERSION TABLE		UMRECHNUNGSTABELLE
DN	(inch)	(mm)
8	1/4"	6,35
10	3/8"	9,25
15	1/2"	12,7
20	3/4"	19,0
25	1"	25,4
32	1 1/4"	31,7
40	1 1/2"	38,1
50	2"	51,0
65	2 1/2"	63,5
80	3"	76,1
100	4"	104,0

BAR CONVERSION CHARTS	BAR UMPRECHNUNGSTABELLE
1 Bar	100000 Pascals
	100 Kilopascals
	1000 Milibars
	1000000 Microbars
	~0,98 Atmospheres
	~401,46 Inches of wather
	10 Meters of wather
	~29,53 Inches of mercury
	~750 Milimeters of mercury
	~14,5 Pounds per square inches
	~1,02 Kilograms per square inches

MATERIALS USED

All units and parts listed in this catalogue are produced from non-corrosive acid-resistant Cr – Ni steel ČSN 17 240, which is the equivalent of the German standard DIN 1.4301. If the corrosion-proof requirements of the parts are higher they are produced from non-corrosive Cr-Ni-Mo steel ČSN 17 349 which conforms to DIN 1.4404.

Chemical composition of the most frequently used non-corrosive steels

ČSN PN	%C max.	%Si max.	%Mn max.	%P max.	%S max.	%Cr max.	%Mo max.	%Ni max.	%Ti max.
17 240	0.07	1.00	2.00	0.045	0.030	17.0-20.0	-	9.0 -11.5	-
17 249	0.03	1.00	2.00	0.045	0.030	17.0-20.0	-	10.0-12.5	-
17 346	0.07	1.00	2.00	0.045	0.030	16.5-18.5	2.0-2.5	10.5-13.5	-
17349	0.03	1.00	2.00	0.045	0.030	16.5-18.5	2.0-2.5	11.0-14.0	-
17 248	0.10	1.00	2.00	0.045	0.030	17.0-19.0	-	9.5-12.0	>=5xC
17 348	0.10	1.00	2.00	0.045	0.030	16.5-18.5	2.0-2.5	11.0-14.0	>=5xC

International standards conversion table for marking steels

Poldi	Czech Rep. PN	Germany DIN (W. Nr.)	USA ASTM	Italy UNI	France AFNOR	Russia GOST
AKV7	17240	1.4301	AISI 304	X5CrNi1810	Z7CN18-09	08Ch18N10
AKV2	17249	1.4306	AISI304L	X2CrNi1811	Z3CN19-121	03Ch18N11
AKV EX7	17346	1.4401	AISI 316	X5CrNiMo1712.2	Z7CND17-12-02	-
AKV EX2	17349	1.4404	AISI 316L	X2CrNiMo1713.2	Z3CND18-12-02	03Ch12N14M2
AKVS7	17248	1.4541	AISI 321	X6CrNiTi1811	Z6CNT18-10	08Ch18N10T
AKV EX S9	17348	1.4571	AISI 316Ti	X6CrNiMoTi1712	Z6CNDT17-12	08Ch17N13M2

DESIGN

The bulk of products are produced from bars or forged material. The material is in such a state that after welding it is not necessary to carry out further treatment. Tubular adapting pipes in their basic finish are pickled – matt, or treated – ground (brushed).

PIPE CONNECTING PARTS – DIN SCREW COUPLINGS

These are produced according to the DIN 11 851 standard and the screw thread according to the DIN 405 (ČSN 01 4037) standard. Connection of the sockets (screw thread or ring) to the tubes can be done in two ways:

- butt welding
- flaring the inside diameter

From diameters of 50mm and above it is necessary to ensure flaring of connections with a seam weld. Flared connections with a seam weld are hygienically unobjectionable and are suitable for pressures of 1 MPa (tested at a pressure of 2 MPa). Parts which do not correspond to any standards are produced according to branch or factory standards, and possibly workshop standards, and in some cases to approved technical drawings.

SEALING

Seals listed in this catalogue are produced from the following materials – SILICON, PERBUNAN, EPDM or VITON. They are supplied separately or as part of the set. Prices for tubular adapting pipes and sets of screw couplings do not include sealing rings.

MAINTENANCE

Without exception the materials used are suitable for general use in the food-processing industry. These materials are sensitive to high concentrations of chloride solutions and therefore we recommend that the instructions and recommendations of the manufacturer are heeded. Corrosion can only be prevented if these instructions are adhered to.

SPECIAL DESIGN

Apart from the standard parts listed in this catalogue we also supply special designs according to customer requirements and their technical documentation.

INSTRUCTIONS FOR ORDERING

For quick and simple processing of your order please supply the following data:

1	2	3	4
numerical labelling of goods	dimension(DN)	material	amount

If group „3” is not listed in the order we automatically supply material 17 240 (DIN 1.4301)

If you require other parts and units than those in this catalogue please send your specific requirements.

This issue nullifies all previous catalogues and delivery conditions listed in them.

We would be pleased to discuss your specific requirements and answer your questions in person. We look forward to your visit.

Technical Information for Gaskets					
Title	Silicon (VMQ silicon rubber)	EPDM (ethylene-propylene-diene rubber)	Viton (FPM fluorine rubber)	Perbunan (NBR nitrile rubber)	PTFE (polytetrafluorethylene)
Temperature of use	It is stable in water up to 100 °C Possibility of sterilisation by steam short-term up to 120 °C to 130 °C	Permanent operating use from 40 °C to +140 °C Possibility of sterilisation by steam up to 130 °C	Permanent operating use from 20 °C to +200 °C Possibility of sterilisation by steam short-term up to 130 °C to 140 °C	Permanent operating use from 25 °C to +110 °C Possibility of sterilisation by steam short-term up to 130 °C	Up to +200 °C it is physiologically harmless, use from 200 °C to +260 °C
Recommended use	High temperature load capacity It has good resistance to cold, suitable for food, it has dielectric properties. It has good resistance to alcohols.	It has good resistance to swelling for: • Diluted inorganic and organic acids, media, oxidising media, lyes, and ketones • Hot water and steam up to 130 °C	It has good resistance to swelling for: • Mineral oils • Plant and animal oils • Lubricants (also some additives) • Fuels	It has good resistance to swelling for: • Aliphatic hydrocarbons (such as propane, butane, benzene, mineral oil) • Lubricants based on mineral oil	It has good resistance to swelling in almost all parts. It has a smooth and repellent surface so sticking does not occur. It has better chemical resistance than in all other elastomers Non-flammable material
Limited use (border)	Shows high swelling for: • Low-molecular esters and ethers • Aliphatic and aromatic hydrocarbons • Concentrated acids and alkali	Cannot be used for: • Plant and animal oils • Aliphatic, aromatic, and chlorinated hydrocarbons • Mineral oils	Shows high swelling for: • Polar solvents, such as acetone, methyl ketone, ethyl acetate, diethyl ether, and dioxane • Low-molecular organic acids (formic acid and acetic acid) • Gaseous ammonia, amines and alkanes • Overheated water steam	Not resistant to: • Polar solvents • Chlorinated hydrocarbons • Ketones • Aromatic hydrocarbons (benzol) • Esters	Not resistant to: • Liquid alkaline metals and some compounds of fluorine in connection with higher pressure and temperature The material does not show the flexibility of rubber.
Material approval	BGA/FDA	BGA/FDA	BGA/FDA	BGA/FDA	BGA/FDA
BGA = approval of the "Federal Health Authority" in Germany ("Bundesgesundheitsamt") FDA = approval of the "US Food and Drug Administration"					

Technische Informationen für Dichtringe					
Name	Silikon (VMQ)	EPDM (Ethylen-Propylen-Dien- Kautschuk)	Viton (FPM)	Perbunan (NBR)	PTFE (Polytetrafluoräthylen)
Einsatztemperatur	in Wasser bis 100°C beständig Dampfsterilisierbar kurzfristig bis 120°C - 130°C	Dauereinsatz von minus 40°C bis 140°C Dampfsterilisierbar bis 130°C	Dauereinsatz von minus 20°C bis 200°C Dampfsterilisierbar kurzfristig bis 130°C - 140°C	Dauereinsatz von minus 25°C bis 110°C Dampfsterilisierbar kurzfristig bis 130°C	bis 200°C physiologisch unbedenklich, Einsatz von -200°C bis +260°C
typ. Einsatzbereich	hohe thermische Belastbarkeit gute Kältebeständigkeit, für Lebensmittel gut geeignet, dielektrische Eigenschaft gute Beständigkeit gegenüber Alkoholen	gute Quellbeständigkeit bei: • verdünnte anorg.- und organische Säuren, Medien, oxidierend wirkende Medien, Laugen und Kationen • in Heißwasser und Dampf bis 130°C	gute Quellbeständigkeit bei: • Mineralölen • pflanzlichen und tierischen Ölen • Fetten (auch bestimmte Additive) • Kraftstoffe	gute Quellbeständigkeit • aliphatischen Kohlenwasserstoffen (wie Propan, Butan, Benzin, Mineralölen) • Fett auf Mineralölbasis	gute Quellbeständigkeit in nahezu allen Teilen Oberfläche glatt und abweisend, dadurch kein Haften von Rückständen chemische Beständig- keit besser als bei allen anderen Elastomeren kaum brennbar
Einsatzgrenzen	hohe Quellung bei: • niedermolekularen Estern und Ethern • aliphatischen und aromatischen Kohlen- wasserstoffen • konz. Säuren und Alkalien	nicht einzusetzen bei: • pflanzlichen und tierischen Ölen • aliphatischen aromatischen und chlorierten Kohlen- wasserstoffen • Mineralöle	stark quellend bei: • polaren Lösungsmitteln wie Aceton, Methyl- keton, Ethylacetat, Diethylether u. Dioxane • niedermolekularen organ. Säuren (Ameisen - und Essigsäuren) • Ammoniakgase, Amine u. Alkanien • überhitzter Wasserdampf	nicht beständig bei: • polaren Lösungsmitteln • chlorierten Kohlen- wasserstoffen • Ketone • Aromaten (Benzol) • Ester	nicht beständig bei: • flüssigen Alkalimetallen und einigen Flourverbindungen in Verbindung mit hohem Druck und Temperatur kein gummielastischer Werkstoff
Werkstoffzulassung	BGA/FDA	BGA/FDA	BGA/FDA	BGA/FDA	BGA/FDA
BGA = Bundesgesundheitsamt FDA = US Food and Drug Administration					



PRODUCER OF STAINLESS PIPING SYSTEMS
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