→ Series 40000

Product group diaphragm valves

Straight-through valve
D.V0201NNN



FDA USP

SUITABLE FOR

Liquids	neutral and non-neutral
Air, gases and vapours	neutral and non-neutral
Steam	

EXAMPLES OF USE

Processes, plants and tanks in the food and pharmaceutical industries for neutral and non-neutral vapours, gases and liquids

- Biopharmaceuticals
- Pharmaceutical industry
- Food industry
- Dairies
- Breweries and beverage industry
- Cosmetics industry
- Medical technology
- Clean-Service applications

FEATURES

- Modular system for customer-specific solutions
- Compact design for confined installation spaces
- Versatile actuator range for specific requirements
- Defined diaphragm compression
- CIP/SIP capable (no retightening of bolts required)
- Controlled exhaust air flow possible
- Extensive adaptation options for accessories and components
- Manual actuators with retrofittable closing and stroke limitation
- Autoclavable (optional)

SPECIFICATION

Nominal pipe sizes
DN 4 - DN 65

Temperature range (operating medium)
-10 to +100 °C
Sterilisation with saturated steam max. 160°C depending on sealing material

System pressure
0 - 10 bar

Control pressure
4,5 - 7 bar

CONFORMITIES / TESTS

FDA – Code of Federal Regulations (CFR)	Title 21, Section 177.2600/177.1550
USP – Class VI	
EG 1935/2004 **EU 10/2011** **BSE/TSE** **EMA/410/01/Rev. 2**	

MATERIALS

Component	
Valve body*	available in different materials according to customer specifications
Diaphragms	made of soft elastomer or sandwich construction PTFE with soft elastomer

*Valve body available in various surface finishes.

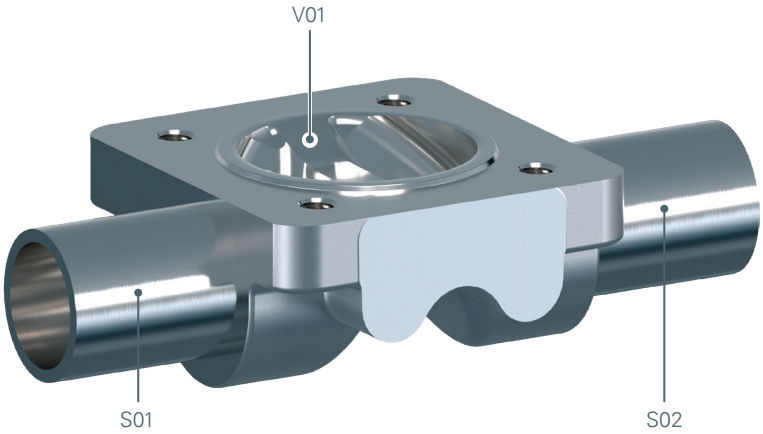
VALVE BODY

BODY DESIGN

Body design: 2/2-way valve
Connections: .02
Valve function: .01



D.V



Body design 0201NNN



Actuator



Shut-off diaphragm

MATERIAL / VALVE BODY MATERIAL

Material	Code
1.4435 BN 2 (δ Fe < 0.5%) / 316L ASME BPE DT3 - Forged body	**.3L**

Other materials on request.

SURFACE FINISH OF VALVE BODY

Inner surface[1]	ASME BPE	Hygiene class DIN11866	Code
Ra < 0.76 Internal surface mechanically polished	SF3	H3	**.8N**
Ra < 0.64 Internal surface mechanically polished + electro-polished inside and outside	SF6	HE3	**.8E**
Ra < 0.38 Internal surface mechanically polished	SF1	H4	**.4N**
Ra < 0.38 Internal surface mechanically polished + electro-polished inside and outside	SF4	HE4	**.4E**
Ra < 0.25 Internal surface mechanically polished + electro-polished inside and outside	-	HE5	**.2E**

[1] Surface finishes of custom valve bodies may be restricted in special cases.

Or any other surface finish that meets the Ra value (as per ASME BPE). The minimum Ra value for internal tube diameter < 6 mm is 0.38 µm. With these surfaces, the bodies are marked according to ASME BPE. The surfaces are only available for valve bodies that are not made from investment casting (.3L) and with connections (A...) according to ASME BPE. Not possible for internal diameters <6 mm. Ra according to DIN EN ISO 4288 and ASME B46.1

Others on request.

MANUFACTURING METHOD / SEMI-FINISHED PRODUCT

Manufacturing process / Semi-finidshed product	Code
Forged body	**.S**
Solid material body	**.V**

TUBE CONNECTION (S01/S02)

PIPE STANDARD

Standard	Code
ASME-BPE/DIN-11866 R-C	A
BS-4825 Part 1	B
ASME-B36.19M Sch. 10s	C
DIN-11866 R-A (11850 R-2)	D
EN-10357 S-B (DIN 11850 R-1)	E
TBV-Weld area	T
EN-10357 S-B (DIN 11850 R-3)	F
Dairy tube	G
ISO-1127 / DIN 11866 R-B	I
JIS-G 3459	J
JIS-G 3447	K
SMS-3008	S

Others on request.

AVAILABLE NOMINAL DIAMETERS

Nominal diameter DN	4	6	8	10	15	20	25	32	40	50	65
	-	-	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"
Code	004	006	008	010	015	020	025	032	040	050	065

LENGTH

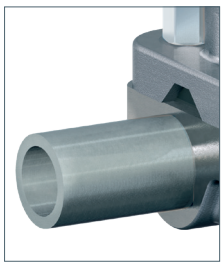
Length	Code
Standard connection length	N
Short connection length	S
Connection length of welding centring	Z

* see dimension table in technical document 'Body'.

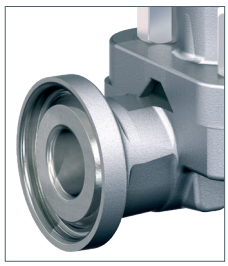
CONNECTION

Connection	Code
Weld end	W
Clamp ASME Contour	A
Flange with collar DIN 11864-2 Form A	B
Clamp DIN Contour	D
Flange EN 1092, PN 16, Form B, length FTF EN 558 Series 1, ISO 5752, basic series 1	F
Dairy pipe thread	G
Dairy tube, cone nozzle with union nut	K
Flange with groove DIN 11864-2 Form A	N

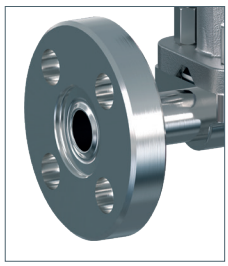
Others on request.



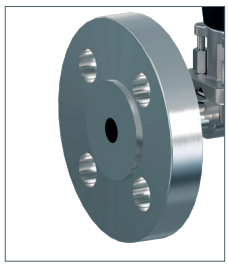
W = Weld end



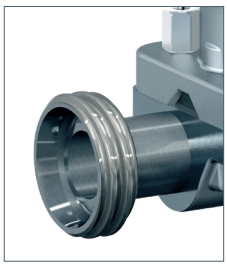
A = Clamp ASME Contour
D = Clamp DIN Contour



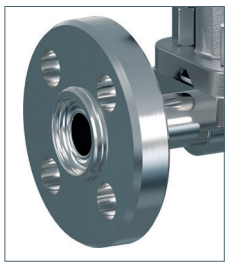
B = Flange with collar DIN 11864-2 Form A



F = Flange EN 1092, PN 16, Form B, length FTF EN 558 Series 1, ISO 5752, basic series 1



G = Dairy pipe thread



N = Flange with groove DIN 11864-2 Form A

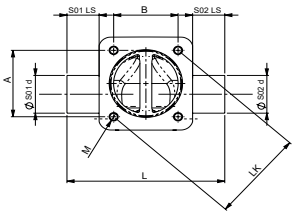
Example of a connection code: **A015NW**
A = ASME-BPE/DIN-11866 R-C | **015** = Nominal width of connection DN15 | **N** = Standard connection length | **W** = Nozzle connection Weld end

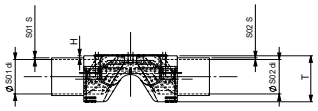
www.goetze-group.com | info@goetze.de | Phone: +49 (0) 7141 / 488 94 60

DIMENSIONS

SERIES 40000 ■ VALVE BODY DIMENSIONS

Weld end

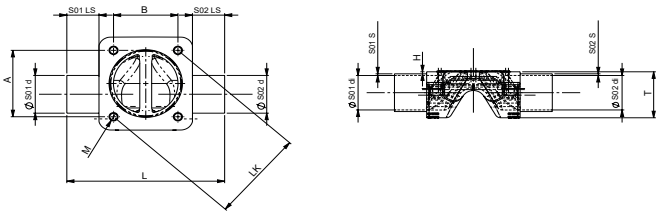




	DS	Pipe S01/S02	S01/ S02	S01/ S02					L	T	H	A x B	M	Kvs [m3/h]	Weight [kg]
				d	s	di	LS	EX							
ASME-BPE/DIN-11866 R-C															
0201NNN.XX.XX.S_A008NW_A008NW_010	010	A008	A008NW	6,35	0,89	4,57	20,00	6,0	76,20	16,50	2,00	22 x 22	M4	0,8	0,12
0201NNN.XX.XX.S_A010NW_A010NW_010	010	A010	A010NW	9,53	0,89	7,75	20,00	4,4	76,20	16,50	2,00	22 x 22	M4	1,6	0,12
0201NNN.XX.XX.S_A015NW_A015NW_010	010	A015	A015NW	12,70	1,65	9,40	20,00	3,6	76,20	16,50	2,00	22 x 22	M4	2,0	0,12
0201NNN.XX.XX.S_A020NW_A020NW_015	015	A020	A020NW	19,05	1,65	15,75	25,00	6,5	103,20	27,00	2,00	37 x 33	M5	3,7	0,26
0201NNN.XX.XX.S_A025NW_A025NW_020	020	A025	A025NW	25,40	1,65	22,10	25,00	7,6	114,40	38,00	2,00	45 x 40	M6	11,8	0,40
0201NNN.XX.XX.S_A025NW_A025NW_025	025	A025	A025NW	25,40	1,65	22,10	25,00	11,6	124,20	40,00	2,00	54 x 46	M8	14,4	0,65
0201NNN.XX.XX.S_A040NW_A040NW_032	032	A040	A040NW	38,10	1,65	34,80	30,00	10,9	147,50	48,00	2,00	67 x 60	M8	28,8	1,00
0201NNN.XX.XX.S_A040NW_A040NW_040	040	A040	A040NW	38,10	1,65	34,80	30,00	13,0	159,00	56,00	2,00	70 x 65	M10	30,1	1,70
0201NNN.XX.XX.S_A050NW_A050NW_040	040	A050	A050NW	50,80	1,65	47,50	30,00	6,7	159,00	56,00	2,00	70 x 65	M10	36,7	1,70
0201NNN.XX.XX.S_A050NW_A050NW_050	050	A050	A050NW	50,80	1,65	47,50	30,00	13,1	177,00	69,00	2,00	82 x 78	M12	51,9	2,80
0201NNN.XX.XX.S_A065NW_A065NW_050	050	A065	A065NW	63,50	1,65	60,20	30,00	6,8	177,00	69,00	2,00	82 x 78	M12	58,6	2,80
DIN-11866 R-A (11850 R-2)															
0201NNN.XX.XX.S_D004NW_D004NW_010	010	D004	D004NW	6,00	1,00	4,00	20,00	6,3	76,20	16,50	2,00	22 x 22	M4	0,6	0,12
0201NNN.XX.XX.S_D006NW_D006NW_010	010	D006	D006NW	8,00	1,00	6,00	20,00	5,3	76,20	16,50	2,00	22 x 22	M4	1,1	0,12
0201NNN.XX.XX.S_D008NW_D008NW_010	010	D008	D008NW	10,00	1,00	8,00	20,00	4,3	76,20	16,50	2,00	22 x 22	M4	1,6	0,12
0201NNN.XX.XX.S_D010NW_D010NW_010	010	D010	D010NW	13,00	1,50	10,00	20,00	3,3	76,20	16,50	2,00	22 x 22	M4	2,1	0,12
0201NNN.XX.XX.S_D015NW_D015NW_015	015	D015	D015NW	19,00	1,50	16,00	25,00	6,4	103,20	27,00	2,00	37 x 33	M5	3,7	0,26
0201NNN.XX.XX.S_D020NW_D020NW_015	015	D020	D020NW	23,00	1,50	20,00	25,00	4,4	103,20	27,00	2,00	37 x 33	M5	4,6	0,26
0201NNN.XX.XX.S_D025NW_D025NW_020	020	D025	D025NW	29,00	1,50	26,00	25,00	5,7	114,40	38,00	2,00	45 x 40	M6	13,8	0,40
0201NNN.XX.XX.S_D025NW_D025NW_025	025	D025	D025NW	29,00	1,50	26,00	25,00	9,7	124,20	40,00	2,00	54 x 46	M8	15,9	0,65
0201NNN.XX.XX.S_D032NW_D032NW_032	032	D032	D032NW	35,00	1,50	32,00	30,00	12,3	147,50	48,00	2,00	67 x 60	M8	26,1	1,00
0201NNN.XX.XX.S_D040NW_D040NW_040	040	D040	D040NW	41,00	1,50	38,00	30,00	11,4	159,00	56,00	2,00	70 x 65	M10	31,8	1,70
0201NNN.XX.XX.S_D050NW_D050NW_050	050	D050	D050NW	53,00	1,50	50,00	30,00	11,9	177,00	69,00	2,00	82 x 78	M12	53,2	2,80
ISO-1127 / DIN 11866 R-B															
0201NNN.XX.XX.S_I008NW_I008NW_010	010	I008	I008NW	13,50	1,60	10,30	20,00	3,1	76,20	16,50	2,00	22 x 22	M4	2,2	0,12
0201NNN.XX.XX.S_I010NW_I010NW_015	015	I010	I010NW	17,20	1,60	14,00	25,00	7,4	103,20	27,00	2,00	37 x 33	M5	3,3	0,26
0201NNN.XX.XX.S_I015NW_I015NW_015	015	I015	I015NW	21,30	1,60	18,10	25,00	5,3	103,20	27,00	2,00	37 x 33	M5	4,2	0,26
0201NNN.XX.XX.S_I020NW_I020NW_020	020	I020	I020NW	26,90	1,60	23,70	25,00	6,8	114,40	38,00	2,00	45 x 40	M6	12,6	0,40
0201NNN.XX.XX.S_I025NW_I025NW_025	025	I025	I025NW	33,70	2,00	29,70	25,00	7,8	124,20	40,00	2,00	54 x 46	M8	17,3	0,65
0201NNN.XX.XX.S_I032NW_I032NW_032	032	I032	I032NW	42,40	2,00	38,40	30,00	9,1	147,50	48,00	2,00	67 x 60	M8	32,2	1,00
0201NNN.XX.XX.S_I040NW_I040NW_040	040	I040	I040NW	48,30	2,00	44,30	30,00	8,3	159,00	56,00	2,00	70 x 65	M10	35,0	1,70
0201NNN.XX.XX.S_I050NW_I050NW_050	050	I050	I050NW	60,30	2,00	56,30	30,00	8,7	177,00	69,00	2,00	82 x 78	M12	56,5	2,80

Note: Bodies as spare parts/components have the code D.B. on the front.

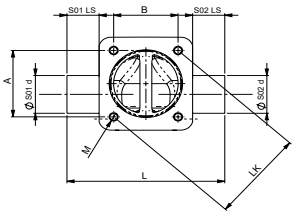
Weld end

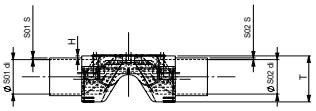


	DS	Pipe S01/S02	S01/ S02	S01/ S02					L	T	H	A x B	M	Kvs [m3/h]	Weight [kg]
				d	s	di	LS	EX							
SMS-3008															
0201NNN.XX.XX.S_S025NW_S025NW_020	020	S025	S025NW	25,00	1,20	22,60	25,00	7,4	114,40	38,00	2,00	45 x 40	M6	12,1	0,40
0201NNN.XX.XX.S_S025NW_S025NW_025	025	S025	S025NW	25,00	1,20	22,60	25,00	11,4	124,20	40,00	2,00	54 x 46	M8	14,6	0,65
0201NNN.XX.XX.S_S032NW_S032NW_025	025	S032	S032NW	33,70	1,20	31,30	30,00	7,0	134,20	40,00	2,00	54 x 46	M8	17,9	0,65
0201NNN.XX.XX.S_S032NW_S032NW_032	032	S032	S032NW	33,70	1,20	31,30	30,00	12,7	147,50	48,00	2,00	67 x 60	M8	25,4	1,00
0201NNN.XX.XX.S_S040NW_S040NW_032	032	S040	S040NW	38,00	1,20	35,60	30,00	10,5	147,50	48,00	2,00	67 x 60	M8	29,5	1,00
0201NNN.XX.XX.S_S040NW_S040NW_040	040	S040	S040NW	38,00	1,20	35,60	30,00	12,6	159,00	56,00	2,00	70 x 65	M10	30,5	1,70
0201NNN.XX.XX.S_S050NW_S050NW_040	040	S050	S050NW	51,00	1,20	48,60	30,00	6,1	159,00	56,00	2,00	70 x 65	M10	37,2	1,70
0201NNN.XX.XX.S_S050NW_S050NW_050	050	S050	S050NW	51,00	1,20	48,60	30,00	12,6	177,00	69,00	2,00	82 x 78	M12	52,4	2,80
0201NNN.XX.XX.S_S065NW_S065NW_050	050	S065	S065NW	63,50	1,60	60,30	30,00	6,7	177,00	69,00	2,00	82 x 78	M12	58,6	2,80
BS-4825 Part 1															
0201NNN.XX.XX.S_B008NW_B008NW_010	010	B008	B008NW	6,35	1,20	3,95	20,00	6,3	76,20	16,50	2,00	22 x 22	M4	0,6	0,12
0201NNN.XX.XX.S_B010NW_B010NW_010	010	B010	B010NW	9,53	1,20	7,13	20,00	4,7	76,20	16,50	2,00	22 x 22	M4	1,4	0,12
0201NNN.XX.XX.S_B015NW_B015NW_010	010	B015	B015NW	12,70	1,20	10,30	20,00	3,1	76,20	16,50	2,00	22 x 22	M4	2,2	0,12
0201NNN.XX.XX.S_B020NW_B020NW_015	015	B020	B020NW	19,05	1,20	16,65	25,00	6,0	103,20	27,00	2,00	37 x 33	M5	3,9	0,26
ASME-B36.19M Sch. 10s															
0201NNN.XX.XX.S_C008NW_C008NW_010	010	C008	C008NW	13,70	1,65	10,40	20,00	3,1	76,20	16,50	2,00	22 x 22	M4	2,2	0,12
0201NNN.XX.XX.S_C010NW_C010NW_015	015	C010	C010NW	17,10	1,65	13,80	25,00	7,5	103,20	27,00	2,00	37 x 33	M5	3,3	0,26
0201NNN.XX.XX.S_C015NW_C015NW_015	015	C015	C015NW	21,30	2,11	17,08	25,00	5,8	103,20	27,00	2,00	37 x 33	M5	4,0	0,26
0201NNN.XX.XX.S_C020NW_C020NW_020	020	C020	C020NW	26,70	2,11	22,48	25,00	7,4	114,40	38,00	2,00	45 x 40	M6	12,0	0,40
0201NNN.XX.XX.S_C025NW_C025NW_025	025	C025	C025NW	33,40	2,77	27,86	25,00	8,7	124,20	40,00	2,00	54 x 46	M8	16,6	0,65
0201NNN.XX.XX.S_C032NW_C032NW_032	032	C032	C032NW	42,20	2,77	36,66	30,00	10,0	147,50	48,00	2,00	67 x 60	M8	30,5	1,00
0201NNN.XX.XX.S_C040NW_C040NW_040	040	C040	C040NW	48,30	2,77	42,76	30,00	9,0	159,00	56,00	2,00	70 x 65	M10	34,2	1,70
0201NNN.XX.XX.S_C050NW_C050NW_050	050	C050	C050NW	60,30	2,77	54,76	30,00	9,5	177,00	69,00	2,00	82 x 78	M12	55,7	2,80
EN-10357 S-B (DIN 11850 R-1)															
0201NNN.XX.XX.S_E010NW_E010NW_010	010	E010	E010NW	12,00	1,00	10,00	20,00	3,3	76,20	16,50	2,00	22 x 22	M4	2,1	0,12
0201NNN.XX.XX.S_E015NW_E015NW_015	015	E015	E015NW	18,00	1,00	16,00	25,00	6,4	103,20	27,00	2,00	37 x 33	M5	3,7	0,26
0201NNN.XX.XX.S_E020NW_E020NW_015	015	E020	E015NW	22,00	1,00	20,00	25,00	4,4	103,20	27,00	2,00	37 x 33	M5	4,6	0,26
0201NNN.XX.XX.S_E025NW_E025NW_020	020	E025	E015NW	28,00	1,00	26,00	25,00	5,7	114,40	38,00	2,00	45 x 40	M6	13,8	0,40
0201NNN.XX.XX.S_E025NW_E025NW_025	025	E025	E015NW	28,00	1,00	26,00	25,00	9,7	124,20	40,00	2,00	54 x 46	M8	15,9	0,65
0201NNN.XX.XX.S_E032NW_E032NW_032	032	E032	E015NW	34,00	1,00	32,00	30,00	12,3	147,50	48,00	2,00	67 x 60	M8	26,1	1,00
0201NNN.XX.XX.S_E040NW_E040NW_040	040	E040	E015NW	40,00	1,00	38,00	30,00	11,4	159,00	56,00	2,00	70 x 65	M10	31,8	1,70
0201NNN.XX.XX.S_E050NW_E050NW_050	050	E050	E015NW	52,00	1,00	50,00	30,00	11,9	177,00	69,00	2,00	82 x 78	M12	53,2	2,80

Note: Body components begin with the code D.B.

Weld end



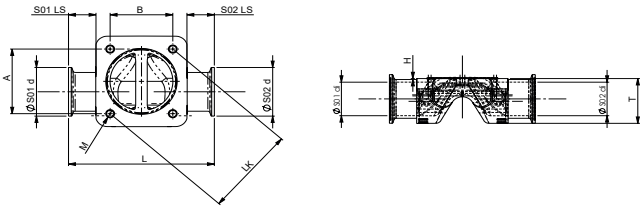


	DS	Pipe S01/S02	S01/ S02	S01/ S02					L	T	H	A x B	M	Kvs [m3/h]	Weight [kg]
				d	s	di	LS	EX							
EN-10357 S-B (DIN 11850 R-3)															
0201NNN.XX.XX.S_F010NW_F010NW_010	010	F010	F010NW	14,00	2,00	10,00	20,00	3,3	76,20	16,50	2,00	22 x 22	M4	2,1	0,12
0201NNN.XX.XX.S_F015NW_F015NW_015	015	F015	F015NW	20,00	2,00	16,00	25,00	6,4	103,20	27,00	2,00	37 x 33	M5	3,7	0,26
0201NNN.XX.XX.S_F020NW_F020NW_015	015	F020	F020NW	24,00	2,00	20,00	25,00	4,4	103,20	27,00	2,00	37 x 33	M5	4,6	0,26
0201NNN.XX.XX.S_F025NW_F025NW_020	020	F025	F025NW	30,00	2,00	26,00	25,00	5,7	114,40	38,00	2,00	45 x 40	M6	13,8	0,40
0201NNN.XX.XX.S_F025NW_F025NW_025	025	F025	F025NW	30,00	2,00	26,00	25,00	9,7	124,20	40,00	2,00	54 x 46	M8	15,9	0,65
0201NNN.XX.XX.S_F032NW_F032NW_032	032	F032	F032NW	36,00	2,00	32,00	30,00	12,3	147,50	48,00	2,00	67 x 60	M8	26,1	1,00
0201NNN.XX.XX.S_F040NW_F040NW_040	040	F040	F040NW	42,00	2,00	38,00	30,00	11,4	159,00	56,00	2,00	70 x 65	M10	31,8	1,70
0201NNN.XX.XX.S_F050NW_F050NW_050	050	F050	F050NW	54,00	2,00	50,00	30,00	11,9	177,00	69,00	2,00	82 x 78	M12	53,2	2,80
Dairy tube															
0201NNN.XX.XX.S_G015NW_G015NW_015	015	G015	G015NW	18,00	1,50	15,00	25,00	6,9	103,20	27,00	2,00	37 x 33	M5	3,5	0,26
0201NNN.XX.XX.S_G020NW_G020NW_015	015	G020	G020NW	22,00	1,50	19,00	25,00	4,9	103,20	27,00	2,00	37 x 33	M5	4,4	0,26
0201NNN.XX.XX.S_G025NW_G025NW_020	020	G025	G025NW	28,00	1,50	25,00	25,00	6,2	114,40	38,00	2,00	45 x 40	M6	13,3	0,40
0201NNN.XX.XX.S_G025NW_G025NW_025	025	G025	G025NW	28,00	1,50	25,00	25,00	10,2	124,20	40,00	2,00	54 x 46	M8	15,5	0,65
0201NNN.XX.XX.S_G032NW_G032NW_032	032	G032	G032NW	34,00	1,50	31,00	30,00	12,8	147,50	48,00	2,00	67 x 60	M8	25,2	1,00
0201NNN.XX.XX.S_G040NW_G040NW_040	040	G040	G040NW	40,00	1,50	37,00	30,00	11,9	159,00	56,00	2,00	70 x 65	M10	31,2	1,70
0201NNN.XX.XX.S_G050NW_G050NW_050	050	G050	G050NW	52,00	1,50	49,00	30,00	12,4	177,00	69,00	2,00	82 x 78	M12	52,6	2,80
JIS-G 3459															
0201NNN.XX.XX.S_J008NW_J008NW_010	010	J008	J008NW	13,80	1,65	10,50	20,00	3,0	76,20	16,50	2,00	22 x 22	M4	2,2	0,12
0201NNN.XX.XX.S_J010NW_J010NW_015	015	J010	J010NW	17,30	1,65	14,00	25,00	7,4	103,20	27,00	2,00	37 x 33	M5	3,3	0,26
0201NNN.XX.XX.S_J015NW_J015NW_015	015	J015	J015NW	21,70	2,10	17,50	25,00	5,6	103,20	27,00	2,00	37 x 33	M5	4,1	0,26
0201NNN.XX.XX.S_J020NW_J020NW_020	020	J020	J020NW	27,20	2,10	23,00	25,00	7,2	114,40	38,00	2,00	45 x 40	M6	12,3	0,40
0201NNN.XX.XX.S_J025NW_J025NW_025	025	J025	J025NW	34,00	2,80	28,40	25,00	8,5	124,20	40,00	2,00	54 x 46	M8	16,8	0,65
0201NNN.XX.XX.S_J032NW_J032NW_032	032	J032	J032NW	42,70	2,80	37,10	30,00	9,8	147,50	48,00	2,00	67 x 60	M8	30,9	1,00
0201NNN.XX.XX.S_J040NW_J040NW_040	040	J040	J040NW	48,60	2,80	43,00	30,00	8,9	159,00	56,00	2,00	70 x 65	M10	34,3	1,70
0201NNN.XX.XX.S_J050NW_J050NW_050	050	J050	J050NW	60,50	2,80	54,90	30,00	9,4	177,00	69,00	2,00	82 x 78	M12	55,8	2,80
JIS-G 3447															
0201NNN.XX.XX.S_K025NW_K025NW_025	025	K025	K025NW	25,40	1,20	23,00	25,00	11,2	124,20	40,00	2,00	54 x 46	M8	14,8	0,65
0201NNN.XX.XX.S_K040NW_K040NW_040	040	K040	K040NW	38,10	1,20	35,70	30,00	12,6	159,00	56,00	2,00	70 x 65	M10	30,6	1,70
0201NNN.XX.XX.S_K050NW_K050NW_050	050	K050	K050NW	50,80	1,50	47,80	30,00	13,0	177,00	69,00	2,00	82 x 78	M12	52,0	2,80

Note: Body components begin with the code D.B.

Series 40000 ■ VALVE BODY DIMENSIONS

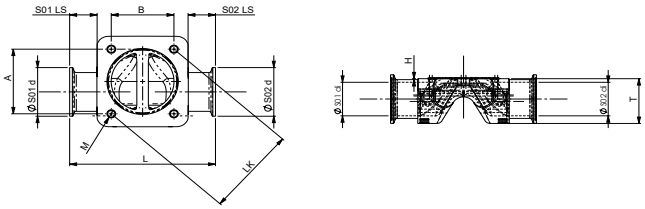
Clamp connection



	DS	Pipe S01/S02	S01/ S02	S01/ S02					L	T	H	A x B	M	Kvs [m3/h]	Weight [kg]
				d	s	di	LS	EX							
ASME-BPE/DIN-11866 R-C															
0201NNN.XX.XX.S_A008NA_A008NA_010	010	A008	A008NA	25,00	10,22	4,56	13,65	6,0	63,5	16,50	2,00	22 x 22	M4	0,8	0,12
0201NNN.XX.XX.S_A010NA_A010NA_010	010	A010	A010NA	25,00	8,62	7,75	13,65	4,4	63,5	16,50	2,00	22 x 22	M4	1,6	0,12
0201NNN.XX.XX.S_A015NA_A015NA_010	010	A015	A015NA	25,00	7,80	9,40	13,65	3,6	63,5	16,50	2,00	22 x 22	M4	2,0	0,12
0201NNN.XX.XX.S_A020NA_A020NA_015	015	A020	A020NA	25,00	4,62	15,75	24,20	6,5	101,6	27,00	2,00	37 x 33	M5	3,7	0,26
0201NNN.XX.XX.S_A020NA_A020NA_020	020	A020	A020NA	25,00	4,62	15,75	18,60	10,8	101,6	38,00	2,00	45 x 40	M6	8,6	0,40
0201NNN.XX.XX.S_A025NA_A025NA_020	020	A025	A025NA	50,50	14,20	22,10	24,95	7,6	114,3	38,00	2,00	45 x 40	M6	11,8	0,40
0201NNN.XX.XX.S_A025NA_A025NA_025	025	A025	A025NA	50,50	14,20	22,10	20,05	11,6	114,3	40,00	2,00	54 x 46	M8	14,4	0,65
0201NNN.XX.XX.S_A040NA_A040NA_032	032	A040	A040NA	50,50	7,85	34,80	26,10	10,9	139,7	48,00	2,00	67 x 60	M8	28,8	1,00
0201NNN.XX.XX.S_A040NA_A040NA_040	040	A040	A040NA	50,50	7,85	34,80	20,35	13,0	139,7	56,00	2,00	70 x 65	M10	30,1	1,70
0201NNN.XX.XX.S_A050NA_A050NA_040	040	A050	A050NA	64,00	8,25	47,50	29,90	6,7	158,8	56,00	2,00	70 x 65	M10	36,7	1,70
0201NNN.XX.XX.S_A050NA_A050NA_050	050	A050	A050NA	64,00	8,25	47,50	20,90	13,1	158,8	69,00	2,00	82 x 78	M12	51,9	2,80
0201NNN.XX.XX.S_A065NA_A065NA_050	050	A065	A065NA	77,50	8,65	60,20	38,40	6,8	193,8	69,00	2,00	82 x 78	M12	58,6	2,80
DIN-11866 R-A (11850 R-2)															
0201NNN.XX.XX.S_D006ND_D006ND_010	010	D006	D006ND	25,00	9,50	6,00	13,65	5,3	63,5	16,50	2,00	22 x 22	M4	1,1	0,12
0201NNN.XX.XX.S_D008ND_D008ND_010	010	D008	D008ND	25,00	8,50	8,00	13,65	4,3	63,5	16,50	2,00	22 x 22	M4	1,6	0,12
0201NNN.XX.XX.S_D010ND_D010ND_010	010	D010	D010ND	34,00	12,00	10,00	13,65	3,3	63,5	16,50	2,00	22 x 22	M4	2,1	0,12
0201NNN.XX.XX.S_D015ND_D015ND_015	015	D015	D015ND	34,00	9,00	16,00	27,40	6,4	101,6	27,00	2,00	37 x 33	M5	3,7	0,26
0201NNN.XX.XX.S_D020ND_D020ND_020	020	D020	D020ND	34,00	7,00	20,00	26,30	8,7	101,6	38,00	2,00	45 x 40	M6	10,8	0,40
0201NNN.XX.XX.S_D025ND_D025ND_020	020	D025	D025ND	50,50	12,75	25,00	26,30	5,7	114,3	38,00	2,00	45 x 40	M6	13,3	0,40
0201NNN.XX.XX.S_D025ND_D025ND_025	025	D025	D025ND	50,50	12,75	25,00	26,40	9,7	114,3	40,00	2,00	54 x 46	M8	15,5	0,65
0201NNN.XX.XX.S_D032ND_D032ND_025	025	D032	D032ND	50,50	9,25	32,00	26,40	6,7	127	40,00	2,00	54 x 46	M8	18,2	0,65
0201NNN.XX.XX.S_D032ND_D032ND_032	032	D032	D032ND	50,50	9,25	32,00	29,25	12,3	127	48,00	2,00	67 x 60	M8	26,1	1,00
0201NNN.XX.XX.S_D040ND_D040ND_032	032	D040	D040ND	50,50	6,25	38,00	29,25	9,3	139,7	48,00	2,00	67 x 60	M8	31,8	1,00
0201NNN.XX.XX.S_D040ND_D040ND_040	040	D040	D040ND	50,50	6,25	38,00	30,00	11,4	139,7	56,00	2,00	70 x 65	M10	31,8	1,70
0201NNN.XX.XX.S_D050ND_D050ND_040	040	D050	D050ND	64,00	7,00	50,00	30,00	5,4	158,8	56,00	2,00	70 x 65	M10	37,9	1,70
0201NNN.XX.XX.S_D050ND_D050ND_050	050	D050	D050ND	64,00	7,00	50,00	36,50	11,9	158,8	69,00	2,00	82 x 78	M12	53,2	2,80
0201NNN.XX.XX.S_D065ND_D065ND_050	050	D065	D065ND	91,00	13,00	65,00	36,50	3,9	193,8	69,00	2,00	82 x 78	M12	61,1	2,80

Note: Body components begin with the code D.B.

Clamp connection



	DS	Pipe S01/S02	S01/ S02	S01/ S02					L	T	H	A x B	M	Kvs [m3/h]	Weight [kg]
				d	s	di	LS	EX							
ISO-1127 / DIN 11866 R-B															
0201NNN.XX.XX.S_I008NA_I008NA_010	010	I008	I008NA	25,00	7,35	10,30	13,65	3,1	63,5	16,50	2,00	22 x 22	M4	2,2	0,12
0201NNN.XX.XX.S_I010NA_I010NA_015	015	I010	I010NA	25,00	5,50	14,00	27,40	7,4	101,6	27,00	2,00	37 x 33	M5	3,3	0,26
0201NNN.XX.XX.S_I015NA_I015NA_015	015	I015	I015NA	50,50	16,20	18,10	27,40	5,3	101,6	27,00	2,00	37 x 33	M5	4,2	0,26
0201NNN.XX.XX.S_I020NA_I020NA_020	020	I020	I020NA	50,50	13,40	23,70	26,30	6,8	114,3	38,00	2,00	45 x 40	M6	12,6	0,40
0201NNN.XX.XX.S_I025NA_I025NA_025	025	I025	I025NA	50,50	10,40	29,70	26,40	7,8	114,3	40,00	2,00	54 x 46	M8	17,3	0,65
0201NNN.XX.XX.S_I032NA_I032NA_032	032	I032	I032NA	64,00	12,80	38,40	29,25	9,1	127	48,00	2,00	67 x 60	M8	32,2	1,00
0201NNN.XX.XX.S_I040NA_I040NA_040	040	I040	I040NA	64,00	9,85	44,30	30,00	8,3	139,7	56,00	2,00	70 x 65	M10	35,0	1,70
0201NNN.XX.XX.S_I050NA_I050NA_050	050	I050	I050NA	77,50	10,60	56,30	36,50	8,7	158,8	69,00	2,00	82 x 78	M12	56,5	2,80
SMS-3008															
0201NNN.XX.XX.S_S025NA_S025NA_020	020	S025	S025NA	50,50	13,95	22,60	26,30	7,4	114,3	38,00	2,00	45 x 40	M6	12,1	0,40
0201NNN.XX.XX.S_S025NA_S025NA_025	025	S025	S025NA	50,50	13,95	22,60	26,40	11,4	114,3	40,00	2,00	54 x 46	M8	14,6	0,65
0201NNN.XX.XX.S_S032NA_S032NA_025	025	S032	S032NA	50,50	9,60	31,30	26,40	7,0	127	40,00	2,00	54 x 46	M8	17,9	0,65
0201NNN.XX.XX.S_S032NA_S032NA_032	032	S032	S032NA	50,50	9,60	31,30	29,25	12,7	127	48,00	2,00	67 x 60	M8	25,4	1,00
0201NNN.XX.XX.S_S040NA_S040NA_032	032	S040	S040NA	50,50	7,45	35,60	29,25	10,5	139,7	48,00	2,00	67 x 60	M8	29,5	1,00
0201NNN.XX.XX.S_S040NA_S040NA_040	040	S040	S040NA	50,50	7,45	35,60	30,00	12,6	139,7	56,00	2,00	70 x 65	M10	30,5	1,70
0201NNN.XX.XX.S_S050NA_S050NA_040	040	S050	S050NA	64,00	7,70	48,60	30,00	6,1	158,8	56,00	2,00	70 x 65	M10	37,2	1,70
0201NNN.XX.XX.S_S050NA_S050NA_050	050	S050	S050NA	64,00	7,70	48,60	36,50	12,6	158,8	69,00	2,00	82 x 78	M12	52,4	2,80
0201NNN.XX.XX.S_S065NA_S065NA_050	050	S065	S065NA	77,50	8,60	60,30	36,50	6,7	193,8	69,00	2,00	82 x 78	M12	58,6	2,80

Note: Body components begin with the code D.B.

SHUT-OFF DIAPHRAGM

■ AVAILABLE DIAPHRAGM SIZES

DS	010	015	020	025	032	040	050

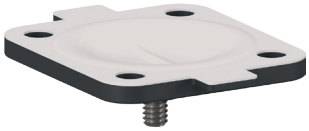
■ DIAPHRAGM MATERIAL

Diaphragm material			Code
EPDM	FDA + USP Class 6	Sterilisation temperature 140 °C / 180 min[1]	**.E1**
PTFE / EPDM	FDA + USP Class 6	Sterilisation temperature 150 °C[1]	**.FE**
PTFE / EPDM in two parts	FDA + USP Class 6	Sterilisation temperature 160 °C[1]	**.SE**

[1] Sterilisation temperature applies to saturated steam or superheated water.



.E1 = EPDM
DS 010 - DS 050



.FE = PTFE / EPDM
DS 010 - DS 050



.SE = PTFE / EPDM in to parts
DS 015 - DS 050

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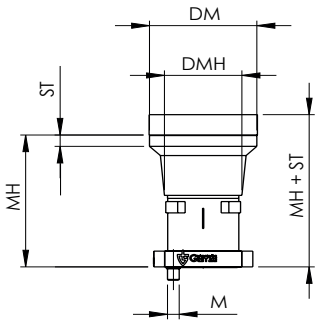
ACTUATOR

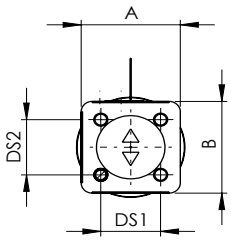
■ MANUAL ACTUATOR

Actuator	Code
Manual actuator, standard version	.MNN
Manual actuator, standard version with stainless steel handwheel	.MSN
Manual actuator, standard version with smooth stainless steel handwheel	.MSH
Handwheel actuator with spacer, without nut holder, smooth stainless steel handwheel	.HSH
Handwheel actuator with spacer, without nut holder, stainless steel handwheel	.HSN

Ambient temperature -10°C to 60°C and system pressure up to 10 bar.
Autoclavable up to 121°C.

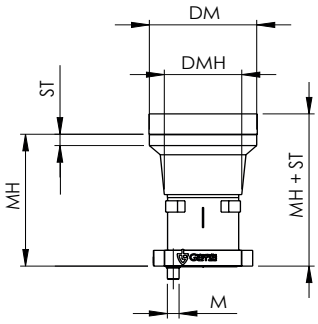
Series 40000 ■ DIMENSIONS OF MANUAL ACTUATOR

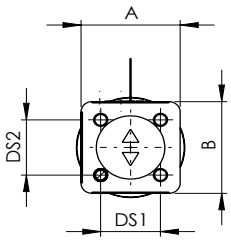




Type code	Diaphragm size DS		A	B	DS1	DS2	DM	DP	PH	PH2	MH	ST	C1	C2	M	Weight [kg]
Manual actuator .MNN																
010-.MNN-01	010		36,5	36,5	22,0	22,0	39,5	38,0	77,7	65,6	56,1	4,5	19,3	59,7	M4	0,16
015-.MNN-01	015		55,6	53,6	37,0	33,0	60,0	56,0	90,0	77,9	68,7	7,0	22,9	72,9	M5	0,5
020-.MNN-01	020		69,2	64,2	45,0	40,0	78,0	66,0	99,4	87,4	82,8	9,0	27,9	82,4	M6	0,95
025-.MNN-01	025		81,2	75,2	54,0	46,0	90,0	76,0	109,8	97,7	95,0	11,0	29,3	87,2	M8	0,95
032-.MNN-01	032		96,2	89,7	67,0	60,0	100,0	92,0	120,1	108,1	103,7	13,0	32,9	97,6	M8	1,7
040-.MNN-01	040		109,8	99,8	70,0	65,0	118,0	107,0	133,9	121,8	119,4	16,0	37,4	111,3	M10	2,26
050-.MNN-01	050		130,4	116,4	82,0	78,0	148,0	122,0	158,5	146,4	129,6	22,0	48,3	135,9	M12	3,74
Manual actuator .MSN																
010-.MSN-01	010		36,5	36,5	22,0	22,0	39,5	38,0	77,7	65,6	56,1	4,5	19,3	59,7	M4	0,16
015-.MSN-01	015		55,6	53,6	37,0	33,0	60,0	56,0	90,0	77,9	68,7	7,0	22,9	72,9	M5	0,5
020-.MSN-01	020		69,2	64,2	45,0	40,0	78,0	66,0	99,4	87,4	82,8	9,0	27,9	82,4	M6	0,95
025-.MSN-01	025		81,2	75,2	54,0	46,0	90,0	76,0	109,8	97,7	95,0	11,0	29,3	87,2	M8	0,95
032-.MSN-01	032		96,2	89,7	67,0	60,0	100,0	92,0	120,1	108,1	103,7	13,0	32,9	97,6	M8	1,7
040-.MSN-01	040		109,8	99,8	70,0	65,0	118,0	107,0	133,9	121,8	119,4	16,0	37,4	111,3	M10	2,26
050-.MSN-01	050		130,4	116,4	82,0	78,0	148,0	122,0	158,5	146,4	129,6	22,0	48,3	135,9	M12	3,74
Manual actuator .MSH																
010-.MSH-01	010		36,5	36,5	22,0	22,0	28,7	38,0	77,7	65,6	56,1	4,5	19,3	59,7	M4	0,16
015-.MSH-01	015		55,6	53,6	37,0	33,0	37,7	56,0	90,0	77,9	68,7	7,0	22,9	72,9	M5	0,5

Note: Drive components begin with the code D-AP-





Type code	Diaphragm size DS		A	B	DS1	DS2	DM	DP	PH	PH2	MH	ST	C1	C2	M	Weight [kg]
Manual actuator .HSH																
010-.HSH-01	010		36,5	36,5	22,0	22,0	28,7	38,0	77,7	65,6	56,1	4,5	19,3	59,7	M4	0,16
015-.HSH-01	015		55,6	53,6	37,0	33,0	37,7	56,0	90,0	77,9	68,7	7,0	22,9	72,9	M5	0,5
Manual actuator .HSN																
010-.HSN-01	010		36,5	36,5	22,0	22,0	39,5	38,0	77,7	65,6	56,1	4,5	19,3	59,7	M4	0,16
015-.HSN-01	015		55,6	53,6	37,0	33,0	60,0	56,0	90,0	77,9	68,7	7,0	22,9	72,9	M5	0,5
020-.HSN-01	020		69,2	64,2	45,0	40,0	78,0	66,0	99,4	87,4	82,8	9,0	27,9	82,4	M6	0,95
025-.HSN-01	025		81,2	75,2	54,0	46,0	90,0	76,0	109,8	97,7	95,0	11,0	29,3	87,2	M8	0,95
032-.HSN-01	032		96,2	89,7	67,0	60,0	100,0	92,0	120,1	108,1	103,7	13,0	32,9	97,6	M8	1,7
040-.HSN-01	040		109,8	99,8	70,0	65,0	118,0	107,0	133,9	121,8	119,4	16,0	37,4	111,3	M10	2,26

Note: Drive components begin with the code D-AP-

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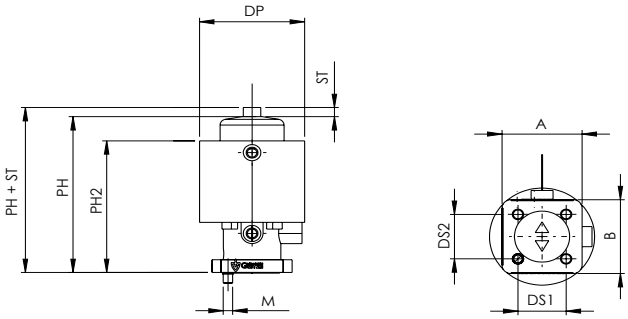
■ PNEUMATIC ACTUATOR

Actuator	Code
Pneumatic actuator NC (spring-to-close) | PS 10 bar Pst 4.5 bar -7 bar	.CNN
Pneumatic actuator NO (spring-to-open) | PS 10 bar Pst 4.5 bar -6 bar	.ONN
Pneumatic actuator NC compact version (spring-to-close) | PS 6 bar Pst 5.5 bar -7 bar	.RNN



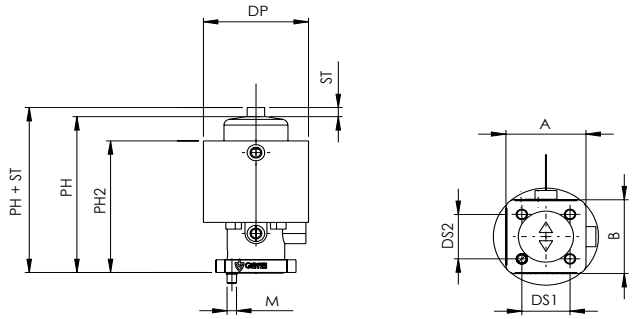
Control medium for pneumatic drives: neutral gases such as compressed air 4.5 bar or 5.5 bar at a maximum of 60°C.
Ambient temperature -10°C to 60°C and system pressure up to 10 bar.

Series 40000 ■ DIMENSIONS OF PNEUMATIC ACTUATOR



Type code	Diaphragm size DS	Options	A	B	DS1	DS2	DP	PH	PH2	ST	M	Control air connection	Weight [kg]	Air volume [cm³]
Pneumatic actuator .CNN														
010-.CNN-01	010	Stroke limiter, closing limiter, El.Po.Indicator	36,5	36,5	22,0	22,0	48,0	77,2	65,1	4,5	M4	M5	0,5	14
015-.CNN-01	015	Stroke limiter, closing limiter, El.Po.Indicator	55,6	53,6	37,0	33,0	66,0	90,5	78,5	7,0	M5	M5	0,9	38
020-.CNN-01	020	Stroke limiter, closing limiter, El.Po.Indicator	69,2	64,2	45,0	40,0	76,0	100,2	88,2	9,0	M6	M5	1,4	58
025-.CNN-01	025	Stroke limiter, closing limiter, El.Po.Indicator	81,2	75,2	54,0	46,0	92,0	115,5	103,4	11,0	M8	G1/8	2,3	93
032-.CNN-01	032	Stroke limiter, closing limiter, El.Po.Indicator	96,2	89,7	67,0	60,0	107,0	127,4	115,3	13,0	M8	G1/8	3,3	153
040-.CNN-01	040	Stroke limiter, closing limiter, El.Po.Indicator	109,8	99,8	70,0	65,0	122,0	144,3	132,2	16,0	M10	G1/8	4,7	222
050-.CNN-01	050	Stroke limiter, closing limiter, El.Po.Indicator	130,4	116,4	82,0	78,0	148,0	163,6	151,5	22,0	M12	G1/8	7,3	416
Pneumatic actuator .ONN														
010-.ONN-01	010	Stroke limiter, closing limiter, El.Po.Indicator	36,5	36,5	22,0	22,0	38,0	77,7	65,6	4,5	M4	M5	0,3	9
015-.ONN-01	015	Stroke limiter, closing limiter, El.Po.Indicator	55,6	53,6	37,0	33,0	56,0	90,0	77,9	7,0	M5	M5	0,6	40
020-.ONN-01	020	Stroke limiter, closing limiter, El.Po.Indicator	69,2	64,2	45,0	40,0	66,0	99,4	87,4	9,0	M6	M5	0,9	70
025-.ONN-01	025	Stroke limiter, closing limiter, El.Po.Indicator	81,2	75,2	54,0	46,0	76,0	109,8	97,7	11,0	M8	M5	1,3	95
032-.ONN-01	032	Stroke limiter, closing limiter, El.Po.Indicator	96,2	89,7	67,0	60,0	92,0	120,1	108,1	13,0	M8	G1/8	2,0	152
040-.ONN-01	040	Stroke limiter, closing limiter, El.Po.Indicator	109,8	99,8	70,0	65,0	107,0	133,9	121,8	16,0	M10	G1/8	2,7	247
050-.ONN-01	050	Stroke limiter, closing limiter, El.Po.Indicator	130,4	116,4	82,0	78,0	122,0	158,5	146,4	22,0	M12	G1/8	4,2	487

Note: Drive components begin with the code D-AP-



Type code	Diaphragm size DS	Options	A	B	DS1	DS2	DP	PH	PH2	ST	M	Control air connection	Weight [kg]	Air volume [cm³]
Pneumatic actuator .RNN														
010-.RNN-01	010	Stroke limiter, closing limiter, El.Po.Indicator	36,5	36,5	22,0	22,0	38,0	77,7	65,6	4,5	M4	M5	0,4	7
015-.RNN-01	015	Stroke limiter, closing limiter, El.Po.Indicator	55,6	53,6	37,0	33,0	56,0	90,0	77,9	7,0	M5	M5	0,8	26
020-.RNN-01	020	Stroke limiter, closing limiter, El.Po.Indicator	69,2	64,2	45,0	40,0	66,0	99,4	87,4	9,0	M6	M5	1,1	42
025-.RNN-01	025	Stroke limiter, closing limiter, El.Po.Indicator	81,2	75,2	54,0	46,0	76,0	109,8	97,7	11,0	M8	G1/8	1,6	65
032-.RNN-01	032	Stroke limiter, closing limiter, El.Po.Indicator	96,2	89,7	67,0	60,0	92,0	120,1	108,1	13,0	M8	G1/8	2,5	104
040-.RNN-01	040	Stroke limiter, closing limiter, El.Po.Indicator	109,8	99,8	70,0	65,0	107,0	133,9	121,8	16,0	M10	G1/8	3,6	173
050-.RNN-01	050	Stroke limiter, closing limiter, El.Po.Indicator	130,4	116,4	82,0	78,0	122,0	158,5	146,4	22,0	M12	G1/8	5,4	283

Note: Drive components begin with the code D-AP-

D.V0201NNN.3L.8N.S _ A015NW _ A015NW _ 010.E1.MNN

SERIES 40000

Valve body housing	
D	Product group
.V	Complete valve
02	Connections
01	Valve functions
NNN	Variant / Version of the fitting
.3L	Material
.8N	Surface
.S	Semi-finished product

Connection S01	
A	Pipe standard
015	Nominal width
N	Connection length
W	Connection

Connection S02	
A	Pipe standard
015	Nominal width
N	Connection length
W	Connection

Actuator and diaphragms	
010	Diaphragm size
.E1	Diaphragm material
.MNN	Actuator

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Series 40000 ■ INDIVIDUAL SELECTION | VALVE BODY

Product group	Component	Number of connections	Number of valve functions	Variant	Material valve body	Surface quality valve body	Manufacturing process / semi-finished product
D	.V	02	01	NNN	.3L	.8N	.S
D	.V	02	01	NNN	.3L	.8E	.S
D	.V	02	01	NNN	.3L	.4N	.S
D	.V	02	01	NNN	.3L	.4E	.S
D	.V	02	01	NNN			
D	.V	02	01	NNN			

Series 40000 ■ INDIVIDUAL SELECTION | VALVE BODY / CONNECTION

Nozzle	Pipe nominal diameter	Nominal diameter	Length	Connection
S01	.A	015	N	W
S02	.E	020	S	D

Series 40000 ■ INDIVIDUAL SELECTION | DIAPHRAGM & ACTUATOR

DS Diaphragm size	Diaphragm material	Type of actuator
010	.E1	.CNN
020	.FE	.MNN

■ OPTIONS

Labelling on request	☐		☐
	☐		☐
	☐		☐
	☐		☐

■ CERTIFICATES / APPROVALS

C50	Consists of cover sheet, 2.1 certificate, MPZ 3.1 body, 2.2 pressure, Conf. EU, proof(s) membrane	☒	☐
C51	Tool certificate 2.2 – Roughness according to DIN EN 10204	☐	☐
		☐	☐

■ ENQUIRY

Copy and send to: order@goetze.de.

→ Specification sheet
Straight-through valve D.V0201NNN | Product group 40000

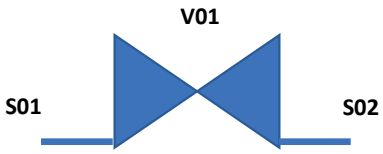
GOE project:	GOE item number:
Date:	

Customer/ interested person	Address	Contact	Project/order	Comments

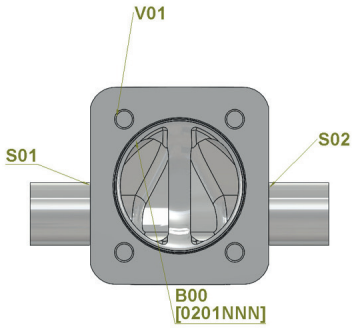
Valve specification

Delivery date w/b			System pressure		Temp-Max	Temp-Sterile	Temp-Min	Vacuum	Steam insert	Media
Product group 40000	**D**	**Diaphragm valve**	PS [bar]	Pst [bar]	Tmax [C]	Tst [C]	Tmin [C]	[%]	[%]	
☐ On-off valve ☐ Control valve										

Order code	**D.V0201NNN**	
Product	**.V**	Valve
Number of connections	**02**	
Number of valve functions	**01**	
Variant 1	**N**	Straight-through valve
Variant 2	**N**	Standard
Variant 3	**N**	Standard
Body material		
Inner surface (medically exposed)		
Semi-finished product		



D.V0201NNN



Connections

		S01	S02
Pipe standard			
DN			
Connection length			
Connection			
Connection code			

Valve functions

		V01
Diaphragm size		
Sealing material		
Actuator		
Actuator_Option1		
Actuator_Option2		
Function code		
Key		

Contact	Goetze KG Armaturen	Email	Phone	Schlieffenstraße 42 71636 Ludwigsburg

Comments: