

Diaphragm Valve, Metal

Construction

The GEMÜ 698 motorized 2/2-way diaphragm valve has a low maintenance electric actuator with a toothed belt drive and a reversible synchronous motor. A manual override and an optical position indicator are standard.

Features

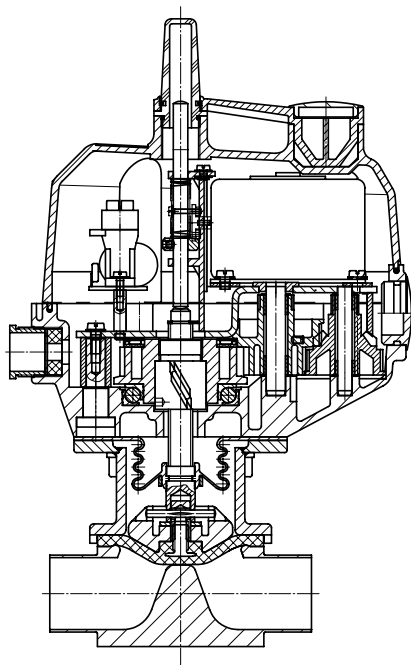
- Suitable for inert and corrosive* liquid and gaseous media
- Chemical resistance of actuator
- Stainless steel body with CIP/SIP cleaning and sterilizing capabilities
- Insensitive to particulate media
- Valve body and diaphragm available in various materials and designs
- The valve stroke can be limited by means of adjustable limit switches
- Suitable for use as a control valve (with GEMÜ 1283)

Advantages

- Hermetic separation between medium and actuator
- Optional flow direction
- Installation for an optimized draining is possible
- Consistent control system and reliable opening and closing action
- Direct 0/4 - 20 mA signal processing using the additional module GEMÜ 1283
- Electrical position feedback by means of a potentiometer available as an option

*see information on working medium on page 2

Sectional drawing



Technical data

Working medium

Corrosive, inert, gaseous and liquid media which have no negative impact on the physical and chemical properties of the body and diaphragm material.

Power consumption

10 VA

Operating time

Standard version approx. 20 s

Optional position feedback

Actual value potentiometer (functional module AP) 10 kW

Protection class

IP 65 acc. to DIN 40050

Rating

Continuously rated

Cable gland

2 x PG 13.5

Temperatures

Medium temperature

FPM (code 4)	-10 ... 90 °C
EPDM (code 13)	-10 ... 100 °C
EPDM (code 14)	-10 ... 90 °C
EPDM (code 17)	-10 ... 100 °C
PTFE/EPDM (code 5M)	-10 ... 100 °C

Sterilisation temperature ⁽¹⁾

FPM (code 4)	not applicable
EPDM (code 13)	max. 150 °C ⁽²⁾ , max. 60 min per cycle
EPDM (code 14)	not applicable
EPDM (code 17)	max. 150 °C ⁽²⁾ , max. 180 min per cycle
PTFE/EPDM (code 5M)	max. 150 °C ⁽²⁾ , no time limit per cycle

¹ The sterilisation temperature is valid for steam (saturated steam) or superheated water.

² If the sterilisation temperatures listed above are applied to the EPDM diaphragms for longer periods of time, the service life of the diaphragms will be reduced. In these cases, maintenance cycles must be adapted accordingly. This also applies to PTFE diaphragms exposed to high temperature fluctuations.

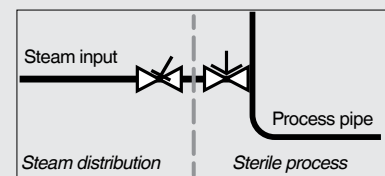
PTFE diaphragms can also be used as moisture barriers; however, this will reduce their service life.

The maintenance cycles must be adapted accordingly.

GEMÜ 555 and 505 globe valves are particularly suitable for use in the area of steam generation and distribution.

The following valve arrangement for interfaces between steam pipes and process pipes has proven itself over time:

A globe valve for shutting off steam pipes and a diaphragm valve as an interface to the process pipes.



Ambient temperature

Ambient temperature	-10 ... +55 °C
Storage temperature	-15 ... +55 °C

Diaphragm size	DN	Operating pressure [bar]	
		EPDM / FPM	PTFE
25	15, 20, 25	0 - 10	0 - 6
40	32, 40	0 - 6	0 - 6
50	50	0 - 6	0 - 4

All pressures are gauge pressures. Operating pressure values were determined with static operating pressure applied on one side of a closed valve. Sealing at the valve seat and atmospheric sealing is ensured for the given values.

Information on operating pressures applied on both sides and for high purity media on request.

Technical data

Kv values [m³/h]								
Pipe standard	DIN	EN 10357 series B (formerly DIN 11850 series 1)	EN 10357 series A (formerly DIN 11850 series 2) / DIN 11866 series A	DIN 11850 Series 3	SMS 3008	ASME BPE / DIN 11866 series C	ISO 1127 / EN 10357 series C / DIN 11866 series B	
Connection code	0	16	17	18	37	59	60	
MG	DN							
25	15	4.1	4.7	4.7	4.7	-	-	7.4
	20	6.3	7.0	7.0	7.0	-	4.4	13.2
	25	13.9	15.0	15.0	15.0	12.6	12.2	16.2
40	32	25.3	27.0	27.0	27.0	26.2	-	30.0
	40	29.3	30.9	30.9	30.9	30.2	29.5	32.8
50	50	46.5	48.4	48.4	48.4	51.7	50.6	55.2
	65	-	-	-	-	62.2	61.8	-

MG = diaphragm size

Kv values determined acc. to DIN EN 60534, inlet pressure 5 bar, Δp 1 bar, stainless steel valve body (forged body) and soft elastomer diaphragm. The Kv values for other product configurations (e.g. other diaphragm or body materials) may differ. In general, all diaphragms are subject to the influences of pressure, temperature, the process and their tightening torques. Therefore the Kv values may exceed the tolerance limits of the standard.

The Kv value curve (Kv value dependent on valve stroke) can vary depending on the diaphragm material and duration of use.

Order data

Body configuration	Code
Tank valve body	B**
2/2-way body	D
T body	T*
* For dimensions see T Valves brochure	
** Dimensions and versions on request or according to customer requirements	

Connection	Code
Butt weld spigots	
Spigots DIN	0
Spigots EN 10357 series B (formerly DIN 11850 series 1)	16
Spigot EN 10357 series A (formerly DIN 11850 series 2) / DIN 11866 series A	17
Spigots DIN 11850 series 3	18
Spigots JIS-G 3447	35
Spigots JIS-G 3459	36
Spigots SMS 3008	37
Spigots BS 4825 Part 1	55
Spigot ASME BPE / DIN 11866 series C	59
Spigot ISO 1127 / EN 10357 series C / DIN 11866 series B	60
Spigots ANSI/ASME B36.19M Schedule 10s	63
Spigots ANSI/ASME B36.19M Schedule 40s	65
Threaded connections	
Threaded sockets DIN ISO 228	1
Threaded sockets NPT	31
Threaded spigots DIN 11851	6
One side threaded spigot, other side cone spigot and union nut, DIN 11851	62
Aseptic unions on request	
Flanges	
Flanges EN 1092 / PN16 / form B, length EN 558, series 1, ISO 5752, basic series 1	8
Flanges ANSI Class 150 RF, length MSS SP-88	38
Flanges ANSI Class 125/150 RF, length EN 558, series 1, ISO 5752, basic series 1	39
Clamp connections	
Clamps ASME BPE for pipe ASME BPE, length ASME BPE	80
Clamps DIN 32676 series B for pipe EN ISO 1127, length EN 558, series 7	82
Clamps ASME BPE for pipe ASME BPE, length EN 558, series 7	88
Clamps DIN 32676 series A for pipe DIN 11850, length EN 558, series 7	8A
Clamps SMS 3017 for pipe SMS 3008, length EN 558, series 7	8E
Aseptic clamps on request	
For overview of available valve bodies see page 13	

Valve body material	Code
EN-GJL-250, (GG25) (Cast iron)	8
EN-GJS-400-18-LT (S.G. Iron 40.3), PFA lined	17
EN-GJS-400-18-LT (S.G. Iron 40.3), PP lined	18
1.4435, investment casting	C3
1.4408, investment casting	37
1.4408, PFA lined	39
1.4435 (316L), forged body	40
1.4435 (BN2), forged body Fe<0.5%	42
EN-GJS-400-18-LT (S.G. Iron 40.3), hard rubber lined	83
1.4539, forged body	F4

Diaphragm material	Code
NBR	2
FPM	4
EPDM	13
EPDM	14
EPDM	17
EPDM	19
PTFE/EPDM, two-piece	5M
Material complies with FDA requirements, except codes 2, 4 and 14	

Supply voltage	Code
24 V ± 10%	C
120 V ± 10%	G
230 V ± 10%	L

Mains frequency	Code
50/60 Hz	4

Functional module	Code
OPEN / CLOSE control with additional end position feedback	AE
OPEN / CLOSE control with potentiometer output	AP

Order data

Internal surface finishes for forged and block material bodies ¹

Readings for Process Contact Surfaces	Mechanically polished ²		Electropolished	
	Hygienic class DIN 11866	Code	Hygienic class DIN 11866	Code
Ra ≤ 0.80 µm	H3	1502	HE3	1503
Ra ≤ 0.60 µm	-	1507	-	1508
Ra ≤ 0.40 µm	H4	1536	HE4	1537
Ra ≤ 0.25 µm ³	H5	1527	HE5	1516

Readings for Process Contact Surfaces acc. to ASME BPE 2016 ⁴	Mechanically polished ²		Electropolished	
	ASME BPE Surface Designation	Code	ASME BPE Surface Designation	Code
Ra Max. = 0.76 µm (30 µinch)	SF3	SF3	-	-
Ra Max. = 0.64 µm (25 µinch)	SF2	SF2	SF6	SF6
Ra Max. = 0.51 µm (20 µinch)	SF1	SF1	SF5	SF5
Ra Max. = 0.38 µm (15 µinch)	-	-	SF4	SF4

Internal surface finishes for investment cast bodies

Readings for Process Contact Surfaces	Mechanically polished ²	
	Hygienic class DIN 11866	Code
Ra ≤ 6.30 µm	-	1500
Ra ≤ 0.80 µm	H3	1502
Ra ≤ 0.60 µm ⁵	-	1507

¹ Surface finishes of customized valve bodies may be limited in special cases.

² Or any other finishing method that meets the Ra value (acc. to ASME BPE).

³ The smallest possible Ra finish for pipe connections with an internal pipe diameter < 6 mm is 0.38 µm.

⁴ When using these surfaces, the bodies are marked according to the specifications of ASME BPE.

The surfaces are only available for valve bodies which are made of materials (e.g. GEMÜ material codes 40, 41, F4, 44) and use connections (e.g. GEMÜ connection codes 59, 80, 88) according to ASME BPE.

⁵ Not possible for GEMÜ connection code 59, DN 8 and GEMÜ connection code 0, DN 4.

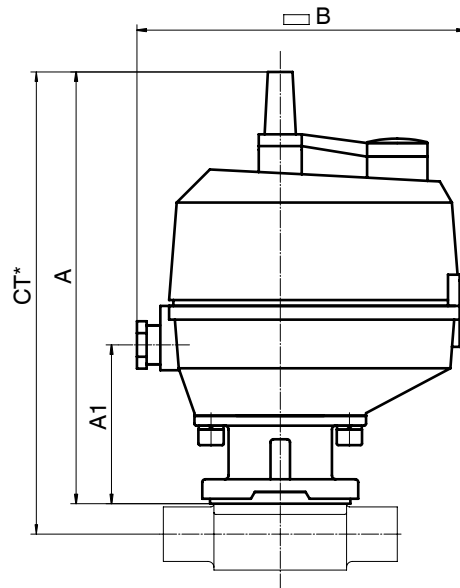
Ra acc. to DIN EN ISO 4288 and ASME B46.1

Order example	698	25	D	60	C3	13	L	4	AE	1500
Type	698									
Nominal size		25								
Body configuration (code)			D							
Connection (code)				60						
Valve body material (code)					C3					
Diaphragm material (code)						13				
Supply voltage (code)							L			
Mains frequency (code)								4		
Functional module (code)									AE	
Surface finish (code)										1500

Dimensions [mm]

Actuator dimensions

Diaphragm size	DN	□B	A	A1	Weight [kg]
25	15 - 25	169 x 135	222	82	2.35
40	32 - 40	169 x 135	271	131	2.90
50	50	169 x 135	278	138	3.30



* CT = A + H1 (see body dimensions)

Body dimensions [mm]

Butt weld spigots, connection code 0, 16, 17, 18 Valve body material: Investment casting (code C3), forged body (code 40, F4)

Pipe standard							DIN		EN 10357 series B (formerly DIN 11850 series 1)		EN 10357 series A (formerly DIN 11850 series 2) / DIN 11866 series A		DIN 11850 Series 3		Weight [kg]
Connection code							0		16		17		18		
MG	DN	NPS	L	c	H1*	H1**	ød	s	ød	s	ød	s	ød	s	
25	15	1/2"	120	25	13.0	19.0	18	1.5	18	1.0	19	1.5	20	2.0	0.62
	20	3/4"	120	25	16.0	19.0	22	1.5	22	1.0	23	1.5	24	2.0	0.58
	25	1"	120	25	19.0	19.0	28	1.5	28	1.0	29	1.5	30	2.0	0.55
40	32	1 1/4"	153	25	24.0	26.0	34	1.5	34	1.0	35	1.5	36	2.0	1.45
	40	1 1/2"	153	25	26.0	26.0	40	1.5	40	1.0	41	1.5	42	2.0	1.32
50	50	2"	173	30	32.0	32.0	52	1.5	52	1.0	53	1.5	54	2.0	2.25

* only for investment cast design

** only for forged design

MG = diaphragm size

For materials see overview on page 13

Butt weld spigots, connection code 60 Valve body material: Investment casting (code C3), forged body (code 40, F4)

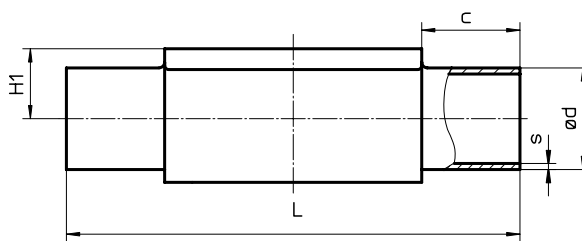
Pipe standard							ISO 1127 / EN 10357 series C / DIN 11866 series B		Weight [kg]
Connection code							60		
MG	DN	NPS	L	c	H1*	H1**	ød	s	
25	15	1/2"	120	25	13.0	19.0	21.3	1.6	0.62
	20	3/4"	120	25	16.0	19.0	26.9	1.6	0.58
	25	1"	120	25	19.0	19.0	33.7	2.0	0.55
40	32	1 1/4"	153	25	24.0	26.0	42.4	2.0	1.45
	40	1 1/2"	153	25	26.0	26.0	48.3	2.0	1.32
50	50	2"	173	30	32.0	32.0	60.3	2.0	2.25

* only for investment cast design

** only for forged design

MG = diaphragm size

For materials see overview on page 13



Body dimensions [mm]

Butt weld spigots, connection code 35, 36, 37 Valve body material: Investment casting (code C3), forged body (code 40, F4)

Pipe standard							JIS-G 3447		JIS-G 3459		SMS 3008		Weight [kg]
Connection code							35		36		37		
MG	DN	NPS	L	c	H1*	H1**	ød	s	ød	s	ød	s	
25	15	1/2"	120	25	-	19.0	-	-	21.7	2.10	-	-	0.62
	20	3/4"	120	25	-	19.0	-	-	27.2	2.10	-	-	0.58
	25	1"	120	25	19.0	19.0	25.4	1.2	34.0	2.80	25.0	1.2	0.55
40	32	1 1/4"	153	25	-	26.0	31.8	1.2	42.7	2.80	33.7	1.2	1.45
	40	1 1/2"	153	25	26.0	26.0	38.1	1.2	48.6	2.80	38.0	1.2	1.32
50	50	2"	173	30	32.0	32.0	50.8	1.5	60.5	2.80	51.0	1.2	2.25
	65	2 1/2"	173	30	-	34.0	63.5	2.0	-	-	63.5	1.6	2.20

* only for investment cast design

** only for forged design

MG = diaphragm size

For materials see overview on page 13

Butt weld spigots, connection code 55, 59, 63, 65 Valve body material: Investment casting (code C3), forged body (code 40, F4)

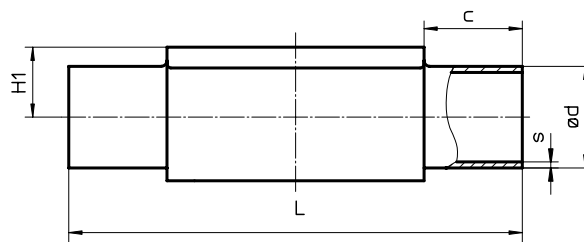
Pipe standard							BS 4825 Part 1		ASME BPE / DIN 11866 series C		ANSI/ASME B36.19M Schedule 10s		ANSI/ASME B36.19M Schedule 40s		Weight [kg]
Connection code							55		59		63		65		
MG	DN	NPS	L	c	H1*	H1**	ød	s	ød	s	ød	s	ød	s	
25	15	1/2"	120	25	-	19.0	-	-	-	-	21.3	2.11	21.3	2.77	0.62
	20	3/4"	120	25	16.0	19.0	19.05	1.2	19.05	1.65	26.7	2.11	26.7	2.87	0.58
	25	1"	120	25	19.0	19.0	-	-	25.40	1.65	33.4	2.77	33.4	3.38	0.55
40	32	1 1/4"	153	25	-	26.0	-	-	-	-	42.2	2.77	42.2	3.56	1.45
	40	1 1/2"	153	25	26.0	26.0	-	-	38.10	1.65	48.3	2.77	48.3	3.68	1.32
50	50	2"	173	30	32.0	32.0	-	-	50.80	1.65	60.3	2.77	60.3	3.91	2.25
	65	2 1/2"	173	30	-	34.0	-	-	63.50	1.65	-	-	-	-	2.10

* only for investment cast design

** only for forged design

MG = diaphragm size

For materials see overview on page 13



Body dimensions [mm]

Threaded sockets, connection code 1 Valve body material: GG25 (code 8), investment casting (code 37)

MG	DN	R	L	Material code 8					Material code 37					Weight [kg]
				H	H1	t	SW2	Number of flats	H	H1	t	SW2	Number of flats	
25	15	G 1/2	85	35	19	12	32	6	29	16	15	27	6	0.32
	20	G 3/4	85	40	19	13	41	6	32	16	16	32	6	0.34
	25	G 1	110	42	19	16	46	6	37	16	13	41	6	0.39
40	32	G 1 1/4	120	56	28	16	55	6	49	24	20	50	8	0.88
	40	G 1 1/2	140	61	28	18	65	6	52	24	18	55	8	0.93
50	50	G 2	165	73	35	18	75	6	68	33	26	70	8	1.56

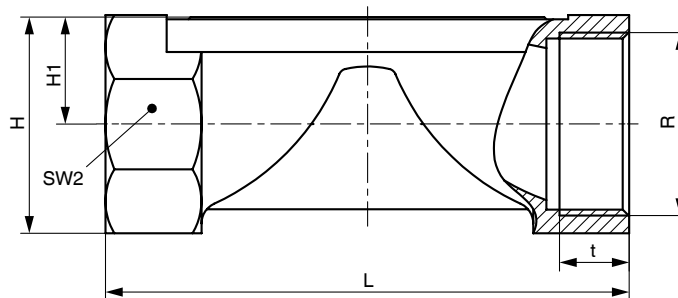
MG = diaphragm size

For materials see overview on page 13

Threaded sockets, connection code 31 Valve body material: investment casting (code 37)

MG	DN	R	L	H	H1	t	SW2	Number of flats	Weight [kg]
25	15	NPT 1/2	85	29	16	14	27	6	0.32
	20	NPT 3/4	85	32	16	14	32	6	0.34
	25	NPT 1	110	42	21	17	41	6	0.39
40	32	NPT 1 1/4	120	49	24	17	50	8	0.88
	40	NPT 1 1/2	140	52	24	17	55	8	0.93
50	50	NPT 2	165	68	33	18	70	8	1.56

MG = diaphragm size



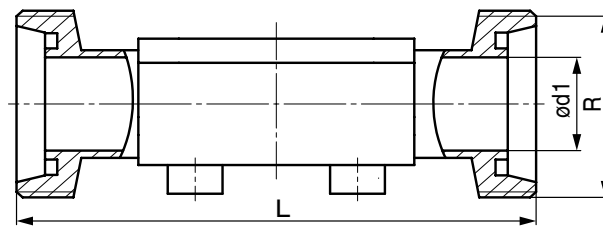
Body dimensions [mm]

Threaded connections, connection code 6, 62 Valve body material: Forged body (code 40)

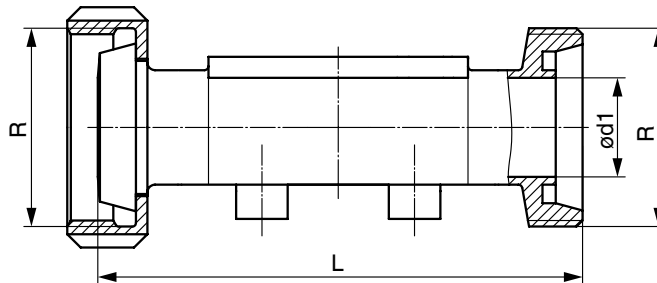
MG	DN	H1	ød1	Thread to DIN 405 R	Code 6 L	Code 62 L	Weight [kg]
25	15	19	16,0	RD 34 x 1/8	118	116	0,71
	20	19	20,0	RD 44 x 1/6	118	114	0,78
	25	19	26,0	RD 52 x 1/6	128	127	0,79
40	32	26	32,0	RD 58 x 1/6	147	147	1,66
	40	26	38,0	RD 65 x 1/6	160	160	1,62
50	50	32	50,0	RD 78 x 1/6	191	191	2,70

MG = diaphragm size

Code 6



Code 62



Body dimensions [mm]

Flanges - DIN EN 1092, connection code 8

Valve body material: GG 25 (code 8), GGG 40.3 (code 17, 18, 83), investment casting (code C3), forged body (code 40), investment casting PFA lined (code 39)

						H1				FTF	Weight [kg]
MG	DN	øD	øk	øL	Number of bolts	Material code 8	Material code 17, 18, 39, 83	Material code C3	Material code 40		
25	15	95	65	14	4	19.0	18.0	13.0	19.0	130*	1.85
	20	105	75	14	4	19.0	20.5	16.0	19.0	150	2.35
	25	115	85	14	4	19.0	23.0	19.0	19.0	160	2.85
40	32	140	100	19	4	28.0	28.7	24.0	26.0	180	4.90
	40	150	110	19	4	28.0	33.0	26.0	26.0	200	5.65
50	50	165	125	19	4	35.0	39.0	32.0	32.0	230	7.45

*Material code C3, 40 FTF = 150 (no DIN length)

MG = diaphragm size

For materials see overview on page 13

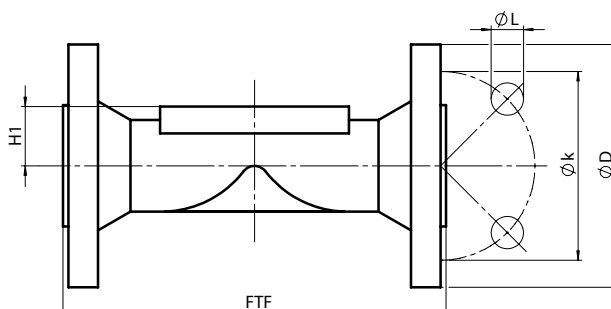
Flanges - ANSI Class 125/150 RF, connection code 38, 39

Valve body material: GG 25 (code 8), GGG 40.3 (code 17, 18, 83), investment casting (code C3), forged body (code 40), investment casting PFA lined (code 39)

						H1				FTF			Weight [kg]
						Connection code 38, 39				MSS Sp-88 Connection-code 38		EN 558 Series 1 Connection-code 39	
MG	DN	øD	øk	øL	Number of bolts	Material code 8	Material code 17, 8, 39, 83	Material code C3	Material code 40	Material code 17, 18, 39 83		Material code, 17, 18, C3, 39, 40, 83	
25	15	90	60.3	15.9	4	19.0	18.0	13.0	19.0	-	-	130	1.85
	20	100	69.9	15.9	4	19.0	20.5	16.0	19.0	146	146.4	150	2.35
	25	110	79.4	15.9	4	19.0	23.0	19.0	19.0	146	146.4	160	2.85
40	32	115	88.9	15.9	4	28.0	28.7	24.0	26.0	-	-	180	4.90
	40	125	98.4	15.9	4	28.0	33.0	26.0	26.0	175	171.4	200	5.65
50	50	150	120.7	19.0	4	35.0	39.0	32.0	32.0	200	197.4	230	7.45

MG = diaphragm size

For materials see overview on page 13

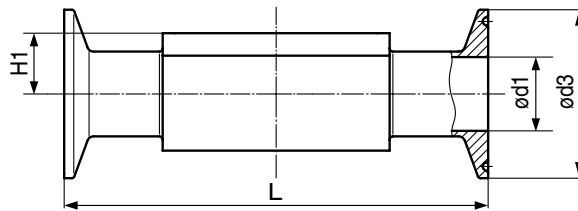


Body dimensions [mm]

Clamp connections, connection code 80, 82, 88, 8A, 8E Valve body material: Forged body (code 40, F4)

Pipe connection for clamp				ASME BPE						ISO 1127 / EN 10357 series C / DIN 11866 series B			EN 10357 series A (formerly DIN 11850 series 2) / DIN 11866 series A			SMS 3008			Weight [kg]
Clamp connection				ASME BPE						DIN 32676 series B			DIN 32676 series A			ISO 2852 / SMS 3017			
Clamp connection code				80			88			82			8A			8E			
MG	DN	NPS	H1	ød1	ød3	L	ød1	ød3	L	ød1	ød3	L	ød1	ød3	L	ød1	ød3	L	
25	15	1/2"	19.0	-	-	-	-	-	-	18.1	50.5	108.0	16	34.0	108.0	-	-	-	0.75
	20	3/4"	19.0	15.75	25.0	101.6	15.75	25.0	117	23.7	50.5	117.0	20	34.0	117.0	-	-	-	0.71
	25	1"	19.0	22.10	50.5	114.3	22.10	50.5	127	29.7	50.5	127.0	26	50.5	127.0	22.6	50.5	127	0.63
40	32	1 1/4"	26.0	-	-	-	-	-	-	38.4	64.0	146.0	32	50.5	146.0	31.3	50.5	146	1.62
	40	1 1/2"	26.0	34.80	50.5	139.7	34.80	50.5	159	44.3	64.0	159.0	38	50.5	159.0	35.6	50.5	159	1.50
50	50	2"	32.0	47.50	64.0	158.8	47.50	64.0	190	56.3	77.5	190.0	50	64.0	190.0	48.6	64.0	190	2.50
	65	2 1/2"	34.0	60.20	77.5	193.8	60.20	77.5	216	-	-	-	-	-	-	60.3	77.5	216	2.30

MG = diaphragm size



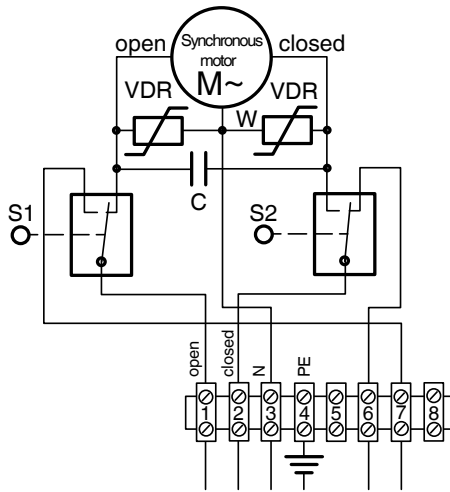
Overview of valve bodies for GEMÜ 698																	
		Spigots															
Connection code		0	16	17		18	35	36	37		55	59		60		63	65
Material code		40	40	C3	40	40	40	40	C3	40	40	C3	40	C3	40	40	40
MG	DN																
25	15	X	X	X	X	X	-	X	-	-	-	-	-	X	X	X	X
	20	X	X	X	X	X	-	X	-	-	X	X	X	X	X	X	X
	25	X	X	X	X	X	X	X	X	X	-	X	X	X	X	X	X
40	32	X	X	X	X	X	X	X	-	X	-	-	-	X	X	X	X
	40	X	X	X	X	X	X	X	X	X	-	X	X	X	X	X	X
50	50	X	X	X	X	X	X	X	X	X	-	X	X	X	X	X	X
	65	-	-	-	-	-	X	-	-	X	-	-	X	-	-	-	-

Availability of material code 42, F4: same as code 40
MG = diaphragm size

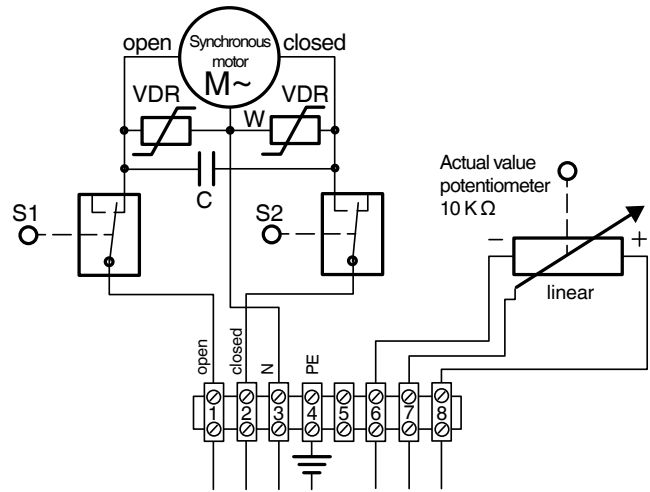
		Threaded connections				Clamps					Flanges																		
Connection code		1	31	6	62	80	82	88	8A	8E	8							38				39							
Material code		8	37	37	40	40	40	40	40	40	8	17	18	C3	39	40	83	17	18	39	83	8	17	18	C3	39	40	83	
MG	DN																												
25	15	X	X	X	W	W	-	W	-	K	-	X	X	X	W	X	W	X	-	-	-	-	X	X	X	W	X	W	X
	20	X	X	X	W	W	K	K	K	K	-	X	X	X	W	X	W	X	X	X*	X	X	X	X	X	W	X	W	X
	25	X	X	X	W	W	K	K	K	K	K	X	X	X	W	X	W	X	X	X*	X	X	X	X	X	W	X	W	X
40	32	X	X	X	W	W	-	W	-	K	K	X	X	X	W	X	W	X	-	-	-	-	X	X	X	W	X	W	X
	40	X	X	X	W	W	K	W	K	K	K	X	X	X	W	X	W	X	X	X*	X	X	X	X	X	W	X	W	X
50	50	X	X	X	W	W	K	W	K	K	K	X	X	X	W	X	W	X	X	X*	X	X	X	X	X	W	X	W	X
	65	-	-	-	-	-	W	-	W	-	W	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
* Connection code 38 / material code 18 on request X = Standard K = Connections completely machined (not welded) W = Welded construction Availability of material code 42, F4: same as code 40 MG = diaphragm size																													

Connection diagram GEMÜ 698

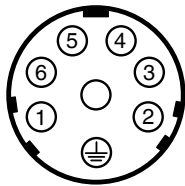
Functional module AE



Functional module AP

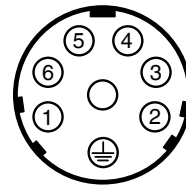


Functional module AE OPEN / CLOSE control with 2 additional end position feedback signals and Hirschmann plug N 6 R AM2 (design: 6027)



Pin	Designation
1	L1, motor voltage for direction of travel OPEN
2	L1, motor voltage for direction of travel CLOSED
3	N, reference voltage
4	n.c.
5	Us, S2 (24) CLOSED end position [Us=Ub]
6	Us, S1 (24) OPEN end position [Us=Ub]
7	⚡, PE

Functional module AP OPEN / CLOSE control with potentiometer output and Hirschmann plug N 6 R AM2 (design: 6027)



Pin	Designation
1	L1, motor voltage for direction of travel OPEN
2	L1, motor voltage for direction of travel CLOSED
3	N, reference voltage
4	Us +, actual value potentiometer, signal voltage
5	Us -, actual value potentiometer, signal output
6	Us ∟, actual value potentiometer, signal voltage
7	⚡, PE

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