DATA SHEET

Type 2671

Double-Eccentric

High-performance butterfly valve, double-eccentric

- Global flange compatibility
- Fast automation according to ISO 5211
- Wafer design (lug on request)
- Low-torque, high-tightness performance
- Engineered for demanding applications

Product variants described in the data sheet may differ from the product presentation and description.

Can be combined with

Type 6519 NAMUR
Servo-assisted solenoid valve for pneumatics

Type 2051
Pneumatic rotary actuator

Type 3003
Electromotoric rotary actuator

Type 3004
Explosion-proof actuator

Type 3005
Electromotoric rotary actuator

Type 8792
Positioner

Type description

Bürkert's double-eccentric high-performance butterfly valve offers exceptional tightness, outstanding durability and maximum reliability, even under the most demanding process conditions. Its double-offset, low-friction design ensures minimal wear, reduced operating torque and longer service life, giving you a clear performance advantage. Thanks to its automation capabilities in accordance with ISO 5211, it can be easily integrated into Bürkert actuators and control components, enabling quick installation and seamless process integration. Engineered for demanding applications in water treatment, energy, chemical, and industrial environments, it combines high flow efficiency with premium build quality to boost uptime and operational efficiency. This is the valve you choose when performance truly matters.

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Visit product website

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1. General technical data

Product properties	
Dimensions	Further information can be found in chapter ""3.2. Material specifications" on page 5.
Material	
Body	CF8M stainless steel, WCB steel
Stem	Stainless steel AISI 630
Liner	PTFE + 15 % glass fibre (other liner materials on request)
Disc	CF8M stainless steel (standard)
Nominal diameter	DN 50 (2")... DN 600 (24")
Performance data	
Leakage rate	Zero leakage according to DIN EN 12266 - 1, ISO 5208
Medium data	
Medium temperature	
PTFE + 15 % glass fibre	- 29 °C...+ 220 °C (standard)
PTFE	- 29 °C...+ 200 °C (on request)
PTFE + 15 % graphite	- 29 °C...+ 250 °C (on request)
TFM	- 100...+ 260 °C (Further information can be found in chapter "5.1. Pressure-temperature diagram" on page 9)
Flange pressure rating	PN 10, PN 16, ANSI150 (other pressure ratings on request) (depending on operating pressure and operating medium)
Product connections and communication	
Port connection	• Wafer • Lug (on request) • Double flange (on request)
Approvals and conformities	
API 609	Standard for butterfly valves, lug-type and wafer-type connections
API 607	Fire test for soft-seated quarter-turn valves
PED	Pressure Equipment Directive, module H
ISO 9001	Quality assurance system

2. Approvals and conformities

2.1. General notes

Note:

- The approvals and conformities listed below must be stated when making enquiries. This is the only way to ensure that the product complies with all required specifications.
- Not all available variants can be supplied with the below mentioned approvals or conformities.

2.2. Conformity

In accordance with the Declaration of Conformity, the product is compliant with the EU Directives.

2.3. Standards

The applied standards which are used to demonstrate compliance with the EU Directives are listed in the EU-Type Examination Certificate and/or the EU Declaration of Conformity.

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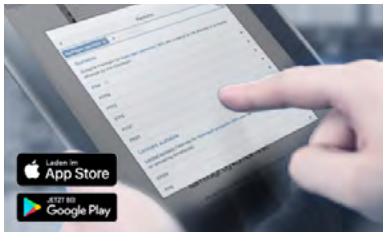
3. Materials

3.1. Bürkert resistApp



Bürkert resistApp – Chemical Resistance Chart

You want to ensure the reliability and durability of the materials in your individual application case? Verify your combination of media and materials on our website or in our resistApp.

Start Chemical Resistance Check

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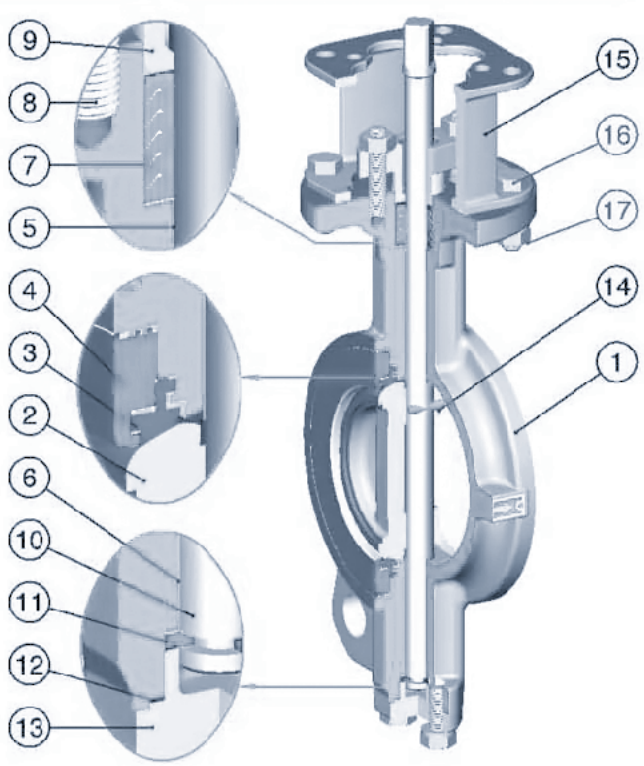
3.2. Material specifications

Note:

- Actuation interface: ISO 5211 square drive for secure and standardized actuator mounting
- Sealing system: Patented trapezoidal thread design ensures a continuous, uniform sealing surface. In combination with the pressure-assisted PTFE seat, a tight shut-off in both flow directions is achieved.
- Operational safety: Integrated pressure rings against stem blowout and electrostatic charge (anti-blowout and anti-static).
- Service life and maintenance: Heavy-duty, PTFE-impregnated stainless steel bearings (1.4401 / 316) reduce wear, minimize maintenance requirements and maximize plant availability.



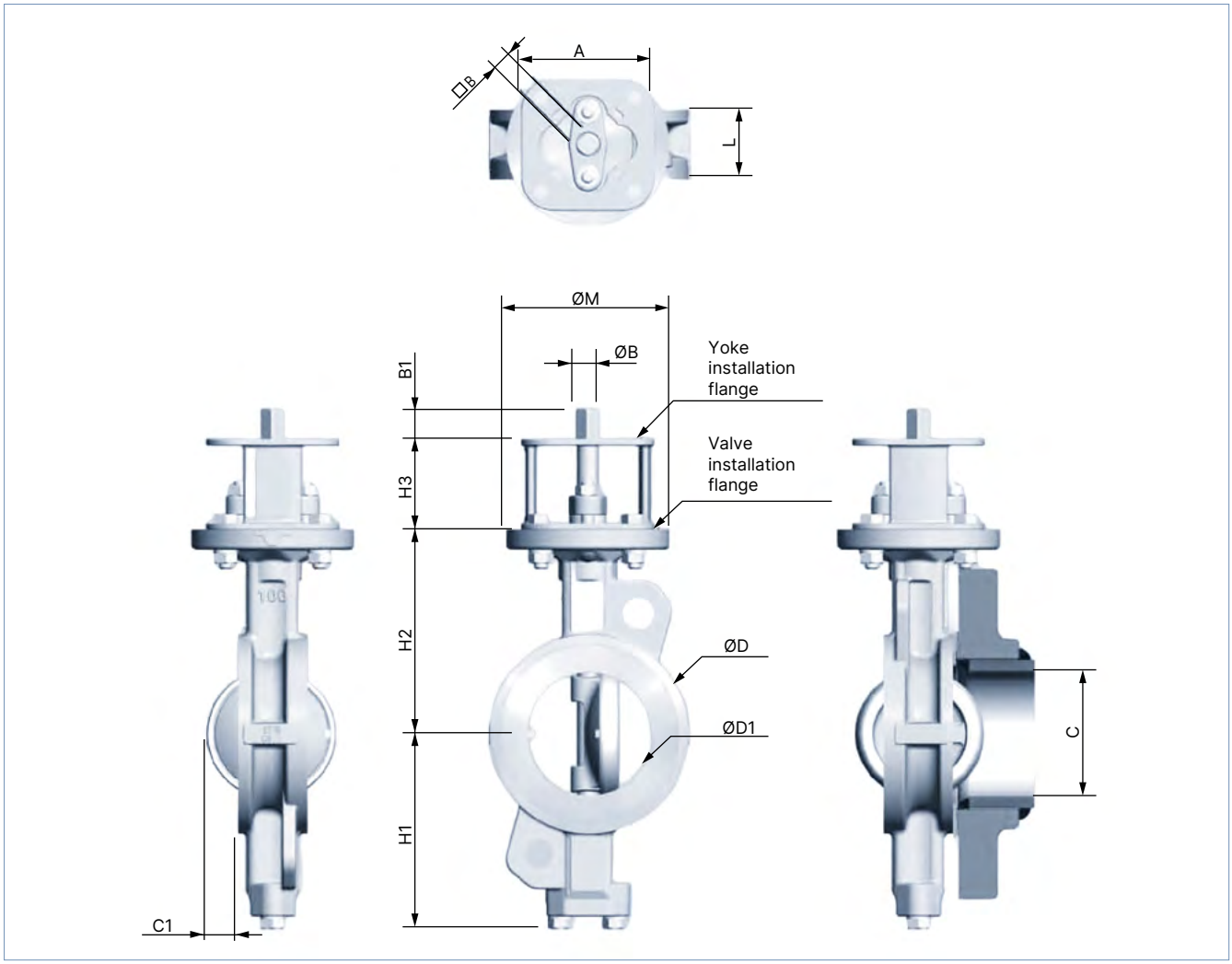
No.	Element	Material	Specifications ASTM	Note
1	Body	Carbon steel	A216 Gr. WCB	-
		Stainless steel	A351 Gr. CF8M	
2	Disc	Stainless steel	A351 Gr. CF8M	-
3	Seal	PTFE + 15 % glass fibre (standard)	-	- 29 °C...+ 220 °C
		PTFE (on request)		- 29 °C...+ 200 °C
		PTFE + 15 % graphite (on request)		- 29 °C...+ 250 °C
		TFM (on request)		- 100 °C...+ 260 °C
4	Retainer	Stainless steel	A351 Gr. CF8M	-
5	Socket	PTFE, stainless steel 316	-	-
6	Socket	R-PTFE, stainless steel 316	-	-
7	Spindle seal	PTFE/R-PTFE	-	-
8	Stud	Stainless steel	Stainles steel 304	-
9	Gland	Stainless steel	A351 Gr. CF8M	-
10	Stem	Stainless steel	A564 Gr. 630	Stem has to be hard chrome-plated when equipped with PTFE and graphite gland packing
11	Thrust ring	Stainless steel	A240 Gr. 316	-
12	Seal	PTFE/R-PTFE	-	-
13	Bottom cover	Stainless steel	A351 Gr. CF8M	-
14	Pin	Stainless steel	A182 Gr. F316	-
15	Yoke	Carbon steel	A216 Gr. WCB	-
16	Bolt	Stainless steel	A193 Gr. B8	-
17	Nut	Stainless steel	A194 Gr. 8	-

4. Dimensions

4.1. Wafer variant (standard)

Note:

- Pipe limit size > C
- DN 50...500 for PN 10, PN 16, ANSI150, DN 400...600 for PN 16

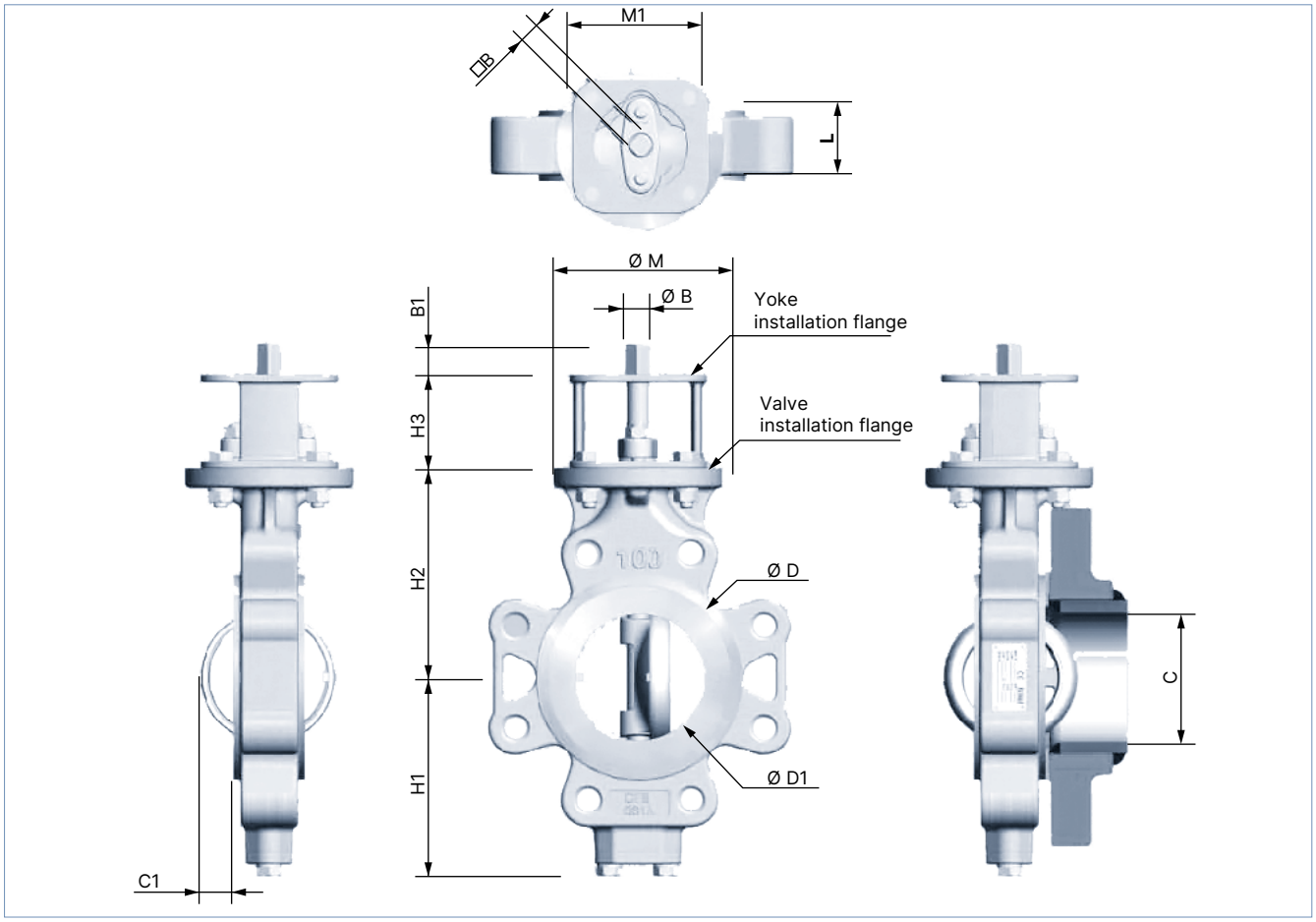


Size	Face to face	Dimensions							Installation flange (ISO 5211)					Stem			Weight
	L	H1	H2	H3	Ø D	Ø D1	C	C1	Valve		Yoke			Ø B	□B	B1	
									Type	Ø M	Type		M1				
[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]		[mm]			[mm]	[mm]	[mm]	[mm]	[kg]
50	43	99	118	60	92	38	19	2	F07	90	F05	F07	70	14	11	18	4
65	46	110	125	60	108	63	62.3	15	F07	90	F05	F07	70	14	11	18	5
80	47	128	140	70	126	78	65.9	22	F10	125	F07	F10	102	18	14	23	8
100	53	150	157	70	153	95	93	25	F10	125	F07	F10	102	18	14	23	10
125	57	163	170	70	184	118	120	36	F10	125	F07	F10	102	22	17	23	13
150	56	176	185	70	212	143	149	50	F10	125	F07	F10	102	22	17	23	14
200	62	206	220	80	268	188	196	70	F12	150	F10	F12	125	25	19	28	25
250	68	238	260	80	326	236	243	90	F12	150	F10	F12	125	28	22	28	33
300	78	269	290	100	375	282	289	106	F14	175	F12	F14	160	35	27	37	48
350	78/92	306	326	100	416	322	329	125	F14	175	F12	F14	160	36	27	37	64
400	102	342	370	120	476	371	377	140	F16	210	F14	F16	195	48	36	47	102
450	114	370	395	120	534	418	423	157	F16	210	F14	F16	195	48	36	47	129
500	127	399	430	120	588	466	471	177	F16	210	F14	F16	195	60	46	56	123
600	154	455	490	150	692	570	572	210	F25	300	F16	F25	300	60	46	56	273

4.2. Lug variant (on request)

Note:

- Dimensions in mm
- Pipe limit size > C
- The following suitable pipe flanges are available on request: PN 10, PN 16, PN 20, PN 25, 150LB, JIS 10K, JIS 16K, JIS 20K



Size	Face to face	Dimensions							Installation flange (ISO 5211)					Stem			Weight
	L	H1	H2	H3	Ø D	Ø D1	C	C1	Valve		Yoke						
									Type	Ø M	Type		M1	Ø B	□B	B1	
[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]		[mm]			[mm]	[mm]	[mm]	[mm]	[kg]
50	43	99	118	60	92	37	49.5	2	F07	90	F07	F05	70	14	11	18	5
65	46	110	125	60	108	63	62.3	15	F07	90	F07	F05	70	14	11	18	9
80	47	128	140	70	126	78	65.9	22	F10	125	F10	F07	102	18	14	23	10
100	53	150	127	70	153	95	93	25	F10	125	F10	F07	102	18	14	23	16
125	57	163	170	70	184	118	120	36	F10	125	F10	F07	102	22	17	23	19
150	56	176	185	70	212	143	149	50	F10	125	F10	F07	102	22	17	23	20
200	62	206	220	80	268	188	196	70	F12	150	F12	F10	125	25	19	28	33
250	28	238	260	80	326	236	243	90	F12	150	F12	F10	125	28	22	28	47
300	78	269	290	100	282	282	289	106	F14	175	F14	F12	160	35	27	37	77
350	78/92	306	326	100	322	322	329	125	F14	175	F14	F12	160	36	27	37	90
400	102	342	370	120	371	371	377	140	F16	210	F16	F14	195	48	36	47	138
450	114	370	395	120	418	418	423	157	F16	210	F16	F14	195	48	36	47	164
500	127	399	460	120	466	466	471	177	F16	210	F16	F14	195	60	46	56	189
600	154	455	490	150	570	570	572	210	F25	300	F16	F16	300	60	46	56	367
600	154	455	490	150	570	570	572	210	F25	300	F25	F25	300	60	46	56	370

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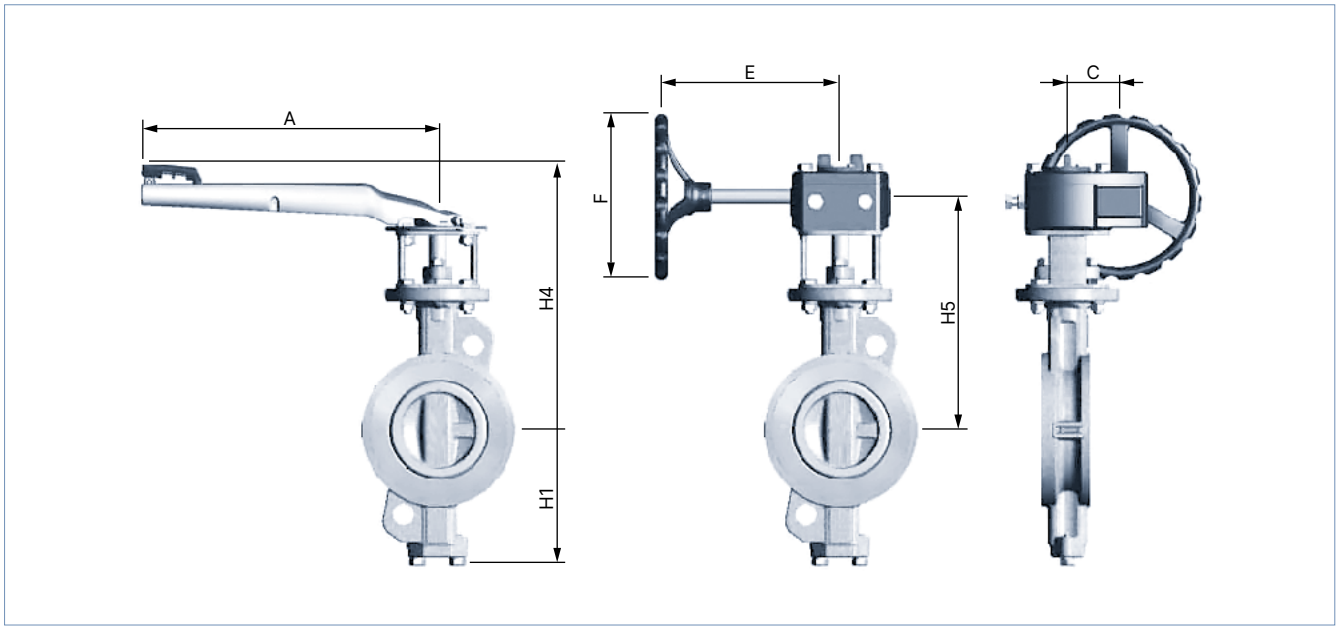
4.3. Lever-operated or gear-operated with handwheel

Note:
Pipe limit size > C



Size		Dimensions of butterfly valve					
		Lever-operated		Gear-operated			
		H4	L	H5	C	E	F
[mm]	[inch]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
50	2	250	200	215	41	155	150
65	2½	257	200	222	41	155	150
80	3	282	250	247	41	155	200
100	4	299	250	268.5	63	195	200
125	5	318	355	281.5	63	195	200
150	6	333	355	296.5	63	195	200
200	8	378	335	341	61	255	310
250	10	–	–	381	61	255	310
300	12	–	–	443	81	340	400
350	14	–	–	479	81	340	400
400	16	–	–	546	123	307	400
450	18	–	–	571	123	307	400
500	20	–	–	606	123	307	400
600	24	–	–	692	123	307	400

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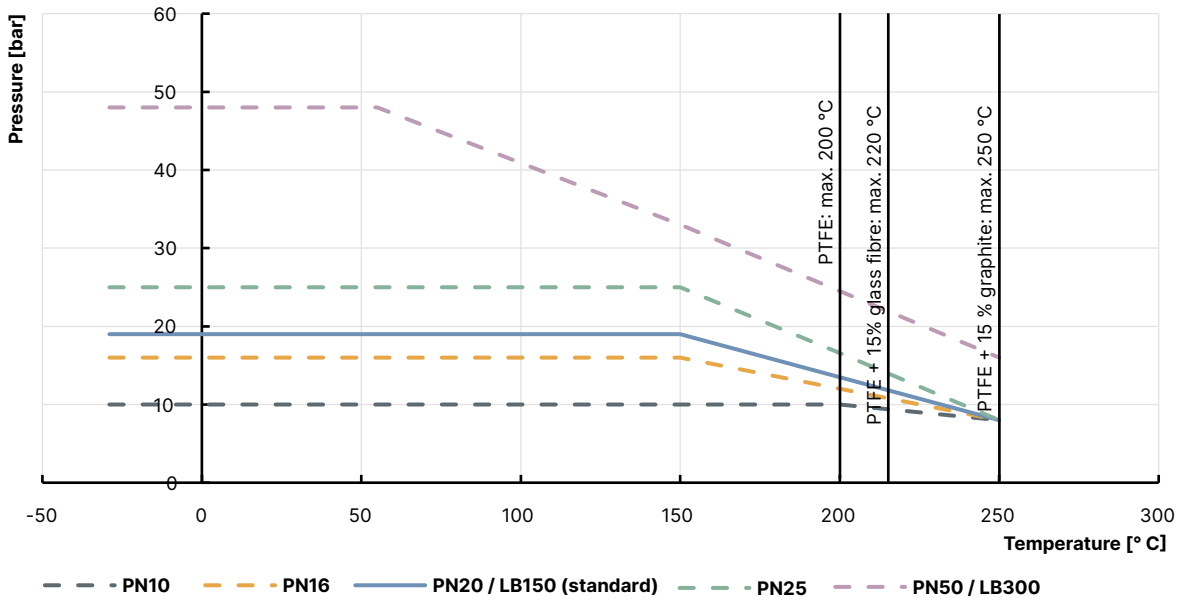
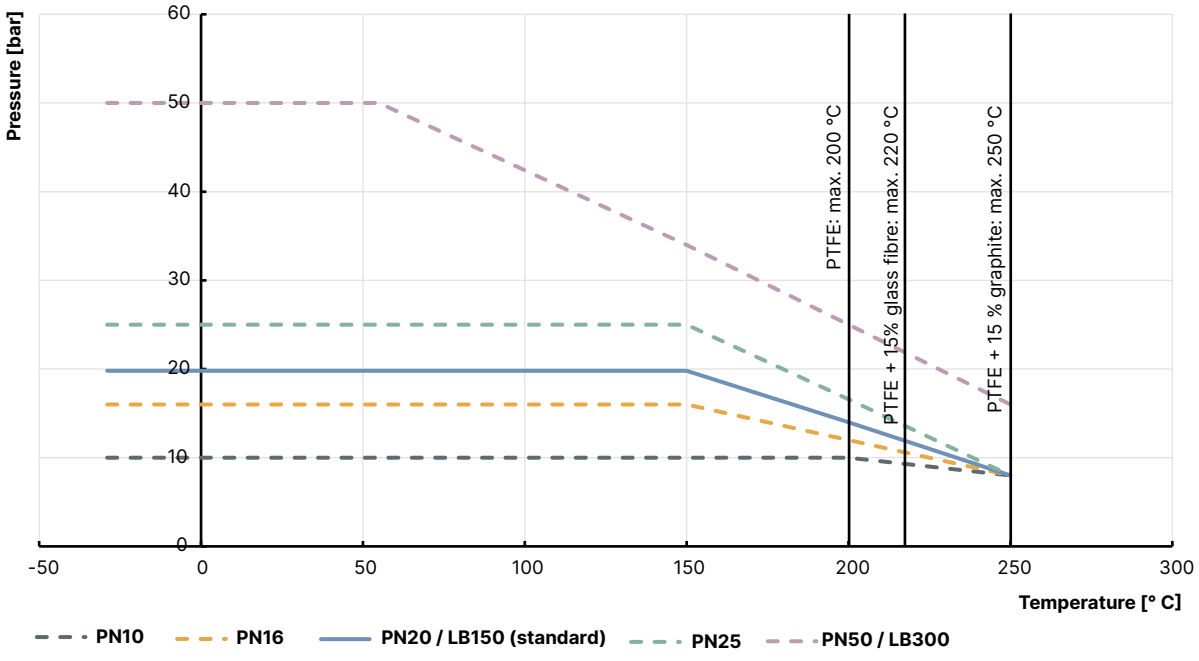
5. Performance specifications

5.1. Pressure-temperature diagram

CF8M body material



WCB body material



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5.2. Torque for lubricating mediums

Nominal diameter		Differential pressure					
		0 bar	5 bar	10 bar	15 bar	20 bar	25 bar
[mm]	[inch]	[Nm]	[Nm]	[Nm]	[Nm]	[Nm]	[Nm]
50	2	13	15	17	20	22	25
65	2.5	19	22	29	35	41	51
80	3	26	29	37	44	51	59
100	4	35	41	51	61	77	85
125	5	51	64	76	89	105	127
150	6	62	83	103	118	147	176
200	8	89	114	147	166	176	242
250	10	150	211	261	309	242	489
300	12	196	294	374	539	489	828
350	14	382	539	784	980	1176	1323
400	16	573	686	980	1176	1372	1568
450	18	783	963	1225	1470	1666	1911
500	20	1000	1411	1764	2058	2470	2822
600	24	1225	1680	2205	2660	3045	3325

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5.3. Flow characteristic

K_V values

Nominal diameter		Degree of the opening angle of the valve disc [m³/h]									
[mm]	[inch]	10 %	20 %	30 %	40 %	50 %	60 %	70 %	80 %	90 %	100 %
50	2	1	2	4	9	13	20	30	46	55	57
65	2.5	4	8	19	28	44	61	80	97	118	121
80	3	8	14	35	51	80	111	147	183	221	225
100	4	12	22	56	84	131	182	239	293	355	363
125	5	22	39	98	140	219	303	410	503	603	623
150	6	22	67	131	196	361	630	761	1017	1159	1189
200	8	36	119	234	348	472	662	851	1127	1254	1514
250	10	108	264	426	504	798	1090	1427	1782	2111	2307
300	12	147	359	579	835	1125	1518	2646	2988	3330	3777
350	14	192	438	689	1008	1396	1939	2701	3659	4637	5159
400	16	272	465	780	1145	1647	2150	3203	4667	5958	6715
450	18	339	818	1260	1765	2436	3389	4685	6108	7383	8092
500	20	444	1035	1587	2213	3032	4276	6218	7869	9525	10228
600	24	731	1610	2381	3383	4759	6630	9377	12478	15871	17182
650	26	857	1917	2828	3493	5458	7859	10696	13971	17682	23638
700	28	995	2189	3291	3911	5827	8935	13750	19126	25341	26706
750	30	1100	2541	3719	4721	7061	10275	17702	22555	29560	31932
800	32	1170	2858	4231	5530	8296	11614	19769	25984	33779	37157
900	36	1247	3617	4522	6778	10064	14933	21837	30560	41642	47131
1000	40	1522	3715	5513	8264	12271	18993	27772	38867	52962	59943
1100	44	1606	3811	6622	10441	15816	23028	34528	48493	62644	67356
1200	48	1693	4089	7897	12972	19947	27680	42356	59655	73734	75653

C_v values

Nominal diameter		Degree of the opening angle of the valve disc [US gal/min]									
[mm]	[inch]	10 %	20 %	30 %	40 %	50 %	60 %	70 %	80 %	90 %	100 %
50	2	1	2	5	10	15	23	35	53	64	66
65	2.5	5	9	22	32	51	70	92	112	136	140
80	3	9	16	41	59	92	128	170	212	256	260
100	4	14	26	65	97	152	210	276	339	410	420
125	5	25	45	113	162	253	350	474	582	697	720
150	6	25	77	152	226	417	728	880	1176	1340	1375
200	8	42	137	271	402	546	765	984	1303	1450	1750
250	10	125	305	492	583	923	1260	1650	2060	2440	2667
300	12	170	415	669	965	1300	1755	3059	3454	3849	4366
350	14	222	506	796	1165	1614	2241	3122	4230	5360	5964
400	16	315	537	902	1324	1904	2485	3703	5395	6887	7762
450	18	392	946	1456	2040	2816	3918	5416	7061	8535	9354
500	20	513	1197	1834	2558	3505	4943	7188	9097	11011	11824
600	24	845	1861	2752	3911	5501	7664	10840	14424	18347	19862
650	26	991	2216	3269	4038	6309	9085	12365	16150	20440	27325
700	28	1150	2530	3804	4521	6736	10329	15895	22110	29294	30872
750	30	1272	2937	4299	5457	8163	11878	20463	26074	34171	36913
800	32	1353	3304	4891	6393	9590	13426	22853	30037	39048	42953
900	36	1442	4181	5227	7835	11634	17263	25243	35327	48138	54483
1000	40	1760	4294	6373	9553	14185	21956	32105	44930	61224	69294
1100	44	1857	4406	7655	12070	18283	26620	39914	56058	72417	77864
1200	48	1957	4727	9129	14996	23059	31998	48963	68961	85237	87455

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6. Ordering information

6.1. Bürkert eShop

Bürkert eShop – Easy ordering and quick delivery

You want to find your desired Bürkert product or spare part quickly and order directly? Our online shop is available for you 24/7. Sign up and enjoy all the benefits.

Order online now

6.2. Bürkert product filter

Bürkert product filter – Get quickly to the right product

You want to select products comfortably based on your technical requirements?
Use the Bürkert product filter and find suitable articles for your application quickly and easily.

Try out our product filter

6.3. Ordering chart wafer

Stainless steel body

DN	Body material	Disc material	Liner material	Max. pressure	Weight			Article no.		
					Bare stem	With hand lever	With gear box			
				[bar]	[kg]	[kg]	[kg]	Bare stem	With hand lever	With gear box and hand wheel
50	CF8M	CF8M	PTFE + 15 % glass fibre	16	4	5	7	20026917	20026926	20026933
65	CF8M	CF8M	PTFE + 15 % glass fibre	16	5	6	8	20026918	20026927	20026934
80	CF8M	CF8M	PTFE + 15 % glass fibre	16	8	8	10	20026919	20026928	20026935
100	CF8M	CF8M	PTFE + 15 % glass fibre	16	10	10	16	20026920	20026929	20026936
125	CF8M	CF8M	PTFE + 15 % glass fibre	16	13	15	20	20026921	20026930	20026937
150	CF8M	CF8M	PTFE + 15 % glass fibre	16	14	16	21	20026922	20026931	20026938
200	CF8M	CF8M	PTFE + 15 % glass fibre	16	25	25	32	20026923	20026932	20026939
250	CF8M	CF8M	PTFE + 15 % glass fibre	16	33	-	42	20026924	-	20026940
300	CF8M	CF8M	PTFE + 15 % glass fibre	16	48	-	70	20026925	-	20026941

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Carbon steel body

DN	Body material	Disc material	Liner material	Max. pressure	Weight			Article no.		
					Bare stem	With hand lever	With gear box			
				[bar]	[kg]	[kg]	[kg]	Bare stem	With hand lever	With gear box and hand wheel
50	WCB	CF8M	PTFE + 15 % glass fibre	16	4	5	7	20026942	20026951	20026958
65	WCB	CF8M	PTFE + 15 % glass fibre	16	5	6	8	20026943	20026952	20026959
80	WCB	CF8M	PTFE + 15 % glass fibre	16	8	8	10	20026944	20026953	20026960
100	WCB	CF8M	PTFE + 15 % glass fibre	16	10	10	16	20026945	20026954	20026961
125	WCB	CF8M	PTFE + 15 % glass fibre	16	13	15	20	20026946	20026955	20026962
150	WCB	CF8M	PTFE + 15 % glass fibre	16	14	16	21	20026947	20026956	20026963
200	WCB	CF8M	PTFE + 15 % glass fibre	16	25	25	32	20026948	20026957	20026964
250	WCB	CF8M	PTFE + 15 % glass fibre	16	33	-	42	20026949	-	20026965
300	WCB	CF8M	PTFE + 15 % glass fibre	16	48	-	70	20026950	-	20026966

6.4. Hand levers

Note:

- Material: ductile cast iron
- Lockable in 10 adjustable positions

DN	Article no.
50...65	774667
80...100	774668
125...200	774669

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