

Welded connection ISO 4200, DIN EN ISO 1127, DIN 11866 series B / Flange DIN EN 1092 - 1 (PN 25)

Nominal diameter (port connection)		Seat size	Actuator size Ø	K _V value water	Pilot pressure min.	Operating pressure max.		
						CF A		CF B
						Seat seal		
						PTFE	PEEK	PTFE
OD [mm]	NPS	DN	[mm]	[m³/h]	[bar(g)]	[bar(g)]	[bar(g)]	[bar(g)]
13.5	–	15	40 (C)	2.5	4	15	–	16
			50 (D)	2.5	4.1	16	–	16
			63 (E)	2.5	4.5	25 ^{1.)}	25 ^{1.)}	25 ^{1.)}
17.2			40 (C)	4.7	4	15	–	16
			50 (D)	5	4.1	16	–	16
			63 (E)	5.4	4.5	25 ^{1.)}	25 ^{1.)}	25 ^{1.)}
21.3			40 (C)	4.7	4	15	–	16
			50 (D)	5	4.1	16	–	16
			63 (E)	5.4	4.5	25 ^{1.)}	25 ^{1.)}	25 ^{1.)}
26.9		20	40 (C)	8.4	4	6.5	–	16
			50 (D)	10	4.1	11	–	16
			63 (E)	11	4.5	20 ^{1.)}	16	25 ^{1.)}
			80 (F)	11	5	25 ^{1.)}	25 ^{1.)}	–
33.7		25	50 (D)	15	4.1	5.2	–	16
			63 (E)	19	4.5	11	–	25 ^{1.)}
			80 (F)	19	5	25 ^{1.)}	21 ^{1.)}	25 ^{1.)}
42.4		32	63 (E)	29	4.5	6	–	25 ^{1.)}
			80 (F)	30	5	14	11.5	25 ^{1.)}
			100 (G)	32	4.4	16	–	–
			125 (H)	32	4.1	25 ^{1.)}	25 ^{1.)}	–
48.3		40	63 (E)	38	4.5	4	–	24 ^{1.)}
			80 (F)	40	5	9	–	25 ^{1.)} (20 ^{2.)})
			100 (G)	47	4.4	12.5	–	25 ^{1.)} (20 ^{2.)})
			125 (H)	46	4.1	25 ^{1.)}	25 ^{1.)}	–
60.3		50	63 (E)	44	4.5	2.5	–	13
			80 (F)	49	5	6	–	25 ^{1.)}
			100 (G)	62	4.4	7.2	–	25 ^{1.)}
			125 (H)	62	5.7	24 ^{1.)} (20 ^{2.)})	19 ^{1.)}	–
76.1		65	80 (F)	74	5	3.5	–	15
			125 (H)	91	5.7	12	10	23 ^{1.)} (15 ^{2.)})
88.9		80	125 (H)	140	5.7	7.5	–	14 ^{1.)} (12.5 ^{2.)})

1.) Gunmetal variants are limited to a maximum of 16 bar(g).

2.) According to pressure equipment directive 2014/68/EU for compressible fluids of group 1 (dangerous gases and vapours according to Article 4, paragraph (1), c), i), first indent)

Welded connection ASME BPE, DIN 11866 series C / Clamp ASME BPE

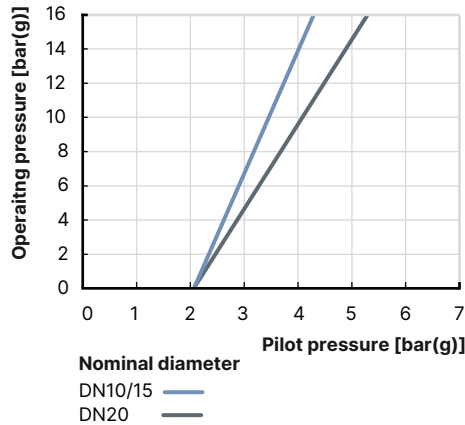
Nominal diameter (port connection)		Seat size	Actuator size Ø	K _v value water	Pilot pressure min.	Operating pressure max.		
						CF A		CF B
						Seat seal		
						PTFE	PEEK	PTFE
DN	NPS	DN	[mm]	[m³/h]	[bar(g)]	[bar(g)]	[bar(g)]	[bar(g)]
15	½	15	40 (C)	1.6	4	15	—	16
			50 (D)	1.6	4.1	16	—	16
			63 (E)	1.6	4.5	25 ^{1.)}	25 ^{1.)}	25 ^{1.)}
20	¾	20	40 (C)	6.9	4	6.5	—	16
			50 (D)	8.4	4.1	11	—	16
			63 (E)	9.6	4.5	20 ^{1.)}	16	25 ^{1.)}
			80 (F)	9.4	5	25 ^{1.)}	25 ^{1.)}	—
25	1	25	50 (D)	13	4.1	5.2	—	16
			63 (E)	16	4.5	11	—	25 ^{1.)}
			80 (F)	16	5	25 ^{1.)}	21 ^{1.)}	25 ^{1.)}
40	1½	40	63 (E)	32	4.5	4	—	24 ^{1.)}
			80 (F)	35	5	9	—	25 ^{1.)}
			100 (G)	41	4.4	12.5	—	25 ^{1.)}
			125 (H)	40	4.1	25 ^{1.)}	25 ^{1.)}	—
50	2	50	63 (E)	44	4.5	2.5	—	13
			80 (F)	49	5	6	—	25 ^{1.)} (20 ^{2.)})
			100 (G)	58	4.4	7.2	—	25 ^{1.)} (20 ^{2.)})
			125 (H)	58	5.7	24 ^{1.)} (20 ^{2.)})	19 ^{1.)}	—
65	2½	65	80 (F)	74	5	3.5	—	15
			125 (H)	85	5.7	12	10	23 ^{1.)} (15 ^{2.)})
80	3	80	125 (H)	91	5.7	12	10	23 ^{1.)} (15 ^{2.)})
80	3		125 (H)	140	5.7	7.5	—	14 ^{1.)} (12.5 ^{2.)})

1.) Gunmetal variants are limited to a maximum of 16 bar(g).

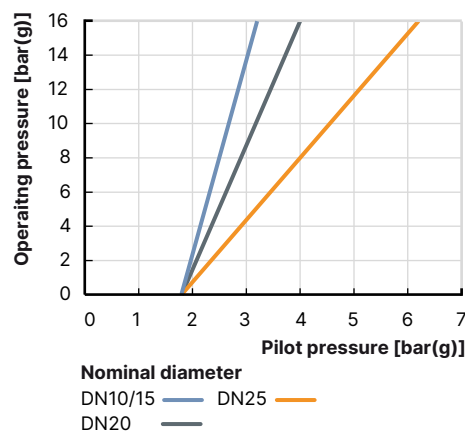
2.) According to pressure equipment directive 2014/68/EU for compressible fluids of group 1 (dangerous gases and vapours according to Article 4, paragraph (1), c), i), first indent)

Pilot pressure diagrams with flow direction below seat (control function B, seat seal PTFE)

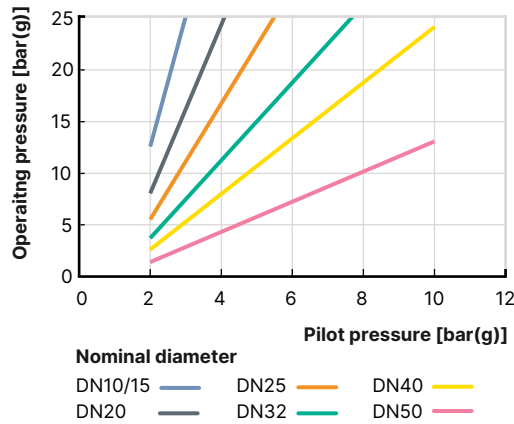
Actuator size Ø 40 mm (C)
Maximum pilot pressure 10 bar(g)



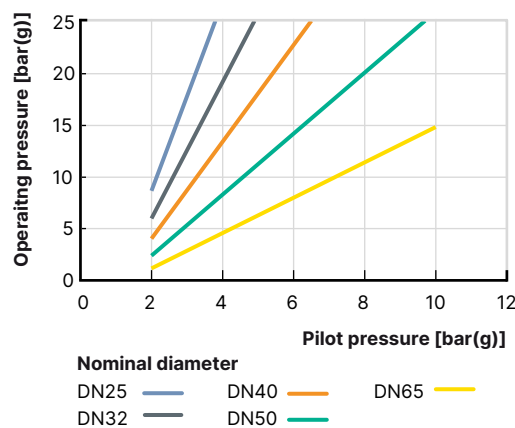
Actuator size Ø 50 mm (D)
Maximum pilot pressure 10 bar(g)



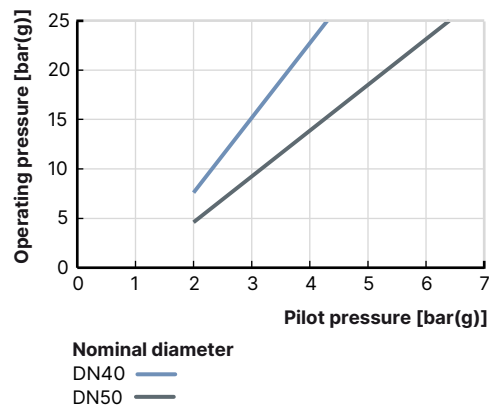
Actuator size Ø 63 mm (E)
Maximum pilot pressure 10 bar(g)



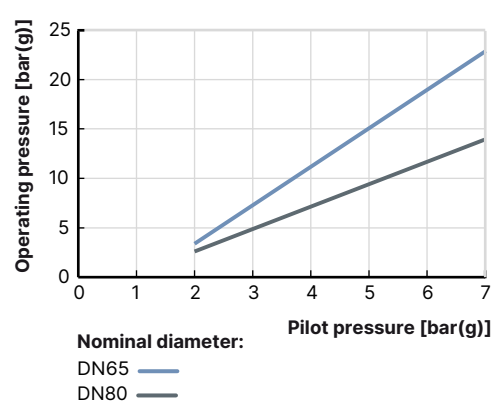
Actuator size Ø 80 mm (F)
Maximum pilot pressure 10 bar(g)



Actuator size Ø 100 mm (G)
Maximum pilot pressure 7 bar(g)



Actuator size Ø 125 mm (H)
Maximum pilot pressure 7 bar(g)



Overview of fluidic data with flow above seat (for gases and steam)
Note:

- K_v value [m^3/h]: Measured with water at + 20 °C, 1 bar(g) pressure at valve inlet and free outlet
- K_v value water: see [“Overview of fluidic data for flow below seat \(for liquids, steam and gases\)” on page 16](#)
- Pressure data [bar(g)]: Overpressure to atmospheric pressure

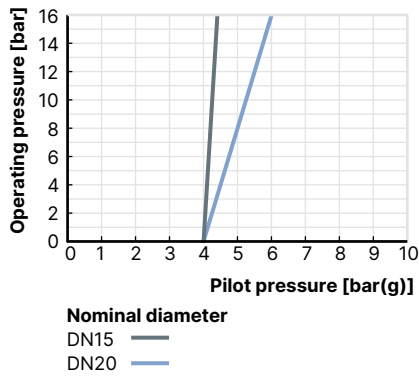
 WARNING
Risk of damage due to bursting pipes and bursting equipment when the flow is above the seat. In the case of liquid mediums, water hammer can occur, causing pipes and the device to burst.
Do not use valves with flow above the seat for liquid mediums.

Nominal diameter (port connection)		Actuator size Ø	Operating pressure max.
			CF A
			PTFE
DN	NPS	[mm]	[bar(g)]
10	$\frac{3}{8}$	40 (C)	16
		50 (D)	16
15	$\frac{1}{2}$	40 (C)	16
		50 (D)	16
20	$\frac{3}{4}$	40 (C)	16
		50 (D)	16
25	1	50 (D)	16
		63 (E)	16
32	$1\frac{1}{4}$	63 (E)	16
40	$1\frac{1}{2}$	63 (E)	16
		80 (F)	16
50	2	63 (E)	16
		80 (F)	16
65	$2\frac{1}{2}$	80 (F)	14
		100 (G)	15

Pilot pressure diagram with flow direction above seat (control function A, seat seal PTFE)

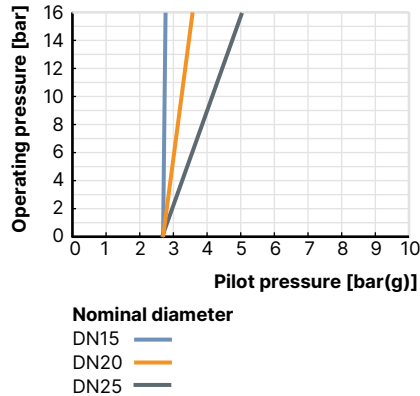
Actuator size Ø 40 mm

Maximum pilot pressure 10 bar(g)



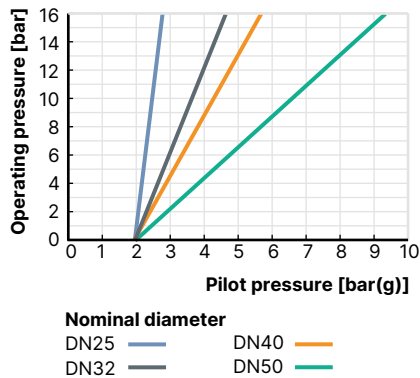
Actuator size Ø 50 mm

Maximum pilot pressure 10 bar(g)



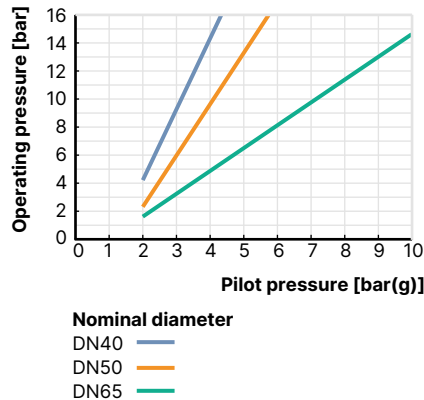
Actuator size Ø 63 mm

Maximum pilot pressure 10 bar(g)



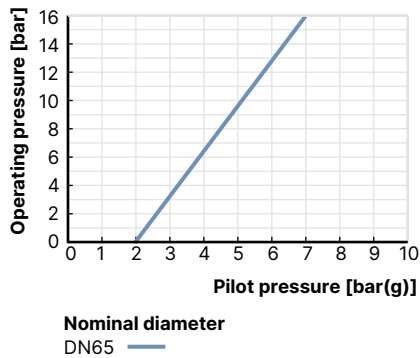
Actuator size Ø 80 mm

Maximum pilot pressure 10 bar(g)



Actuator size Ø 100 mm

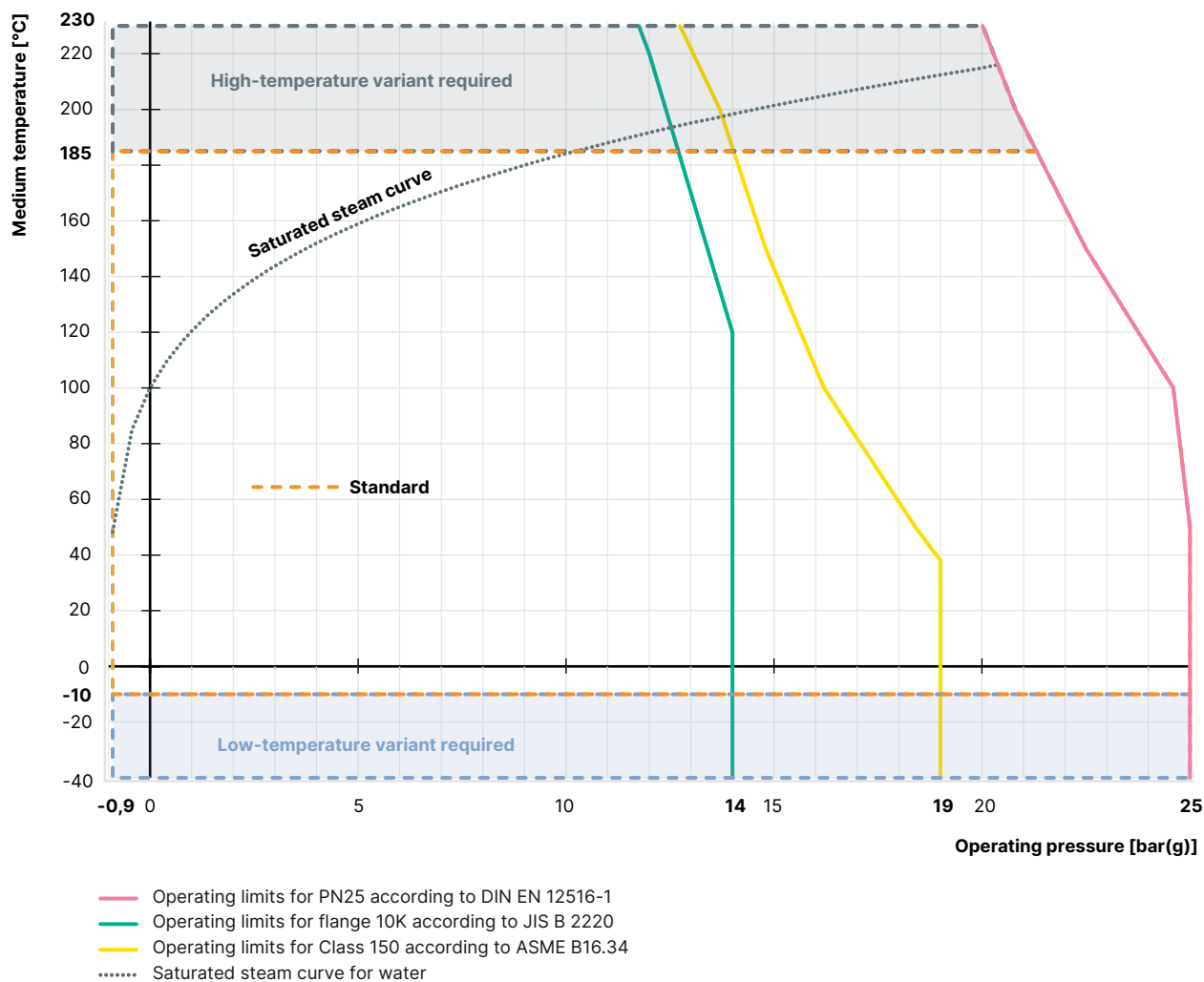
Maximum pilot pressure 7 bar(g)



7.2. Operating limits

Operating limits for medium temperature and operating pressure

In addition to the maximum operating pressures, the operating range of Bürkert process valves is limited by the nominal pressure according to the relevant standard.

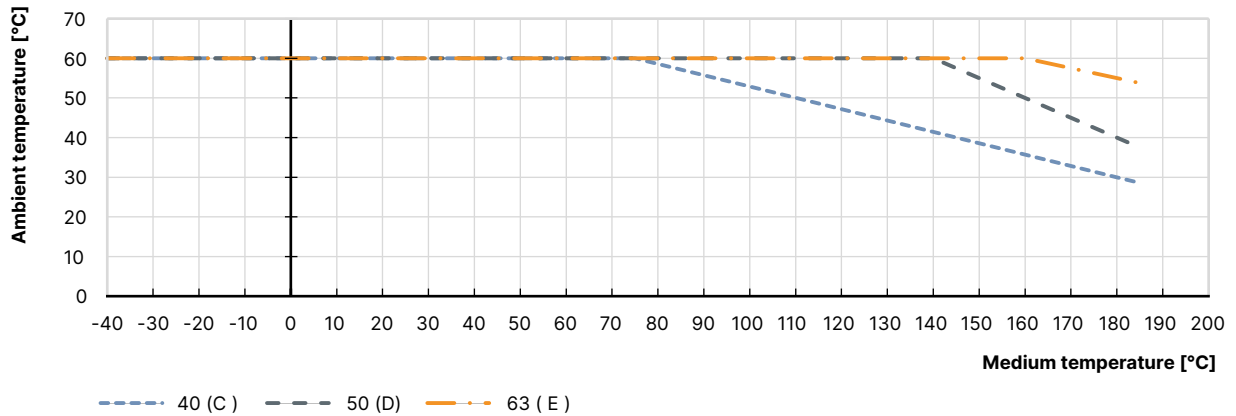


Operating limits for ambient and medium temperature

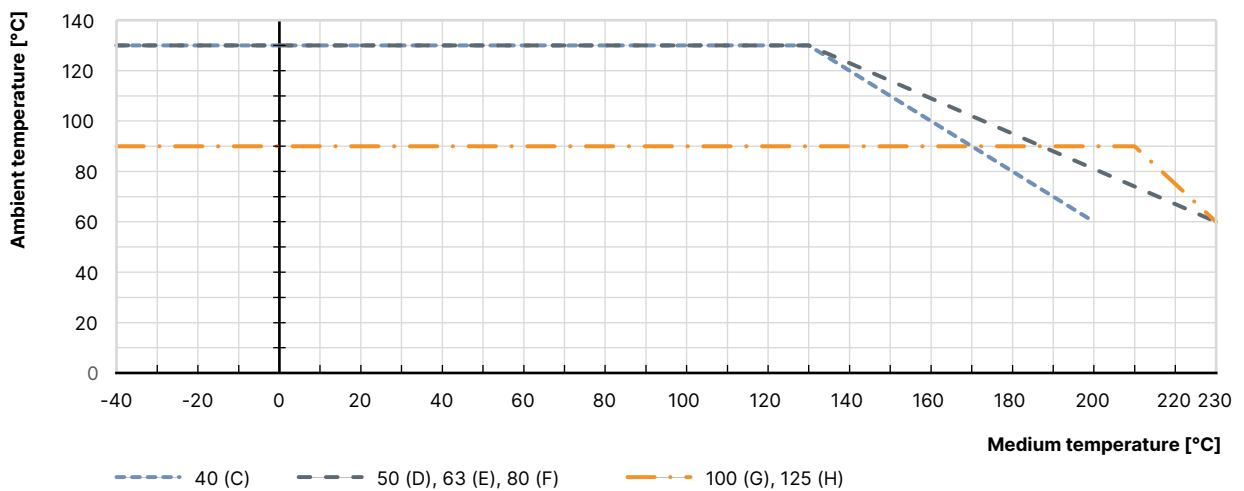
Note:

For size 40, 50 and 63 PA actuators, the combination of maximum medium temperature and maximum ambient temperature is shown in the following diagram:

Classic PA actuator



Classic PPS actuator



Operating limits for optional variants

High-temperature variant

Thanks to an adaption of the packing gland and seat seal in PEEK, this variant is suitable for applications with steam, neutral gases and other heat transfer mediums up to + 230 °C.

Water variant

For applications with water up to + 200 °C, a special configuration of the spindle seal increases service life significantly. It is recommended for water temperatures starting at + 85 °C.

Vacuum variant

Without leakage bore, this design is suitable for pressures down to - 0.9 bar(g).

Low-temperature variant

Suitable for minimum medium temperatures down to - 40 °C

8. Product accessories

Electric position feedback indicator

Type 8697 ▶ Actuator size Ø 40 (C)...125 (H)



The position feedback Type 8697 is designed for integrated mounting on CLASSIC series 20XX process valves, suiting the requirements of hygienic process environments. Mechanical or inductive limit switches register the position of the valve.

Features

- Compact design
- LED position indicator
- Mechanical or inductive limit switches for end position registering
- Easy-to-clean clean chemically resistant housing featuring IP65/IP67, 4X Rating
- Optionally intrinsically safe variant according to IECEx

Customer benefits

- Easy and quick installation
- High level of signal reliability thanks to self-adjusting limit switches
- Minimised space requirement in the plant piping for more flexibility in plant design

Adaptation for proximity switch

Type 2XXX ▶



Various options for the use of inductive proximity switches are available for the CLASSIC series actuators:

- Nipple
- Support bracket, 1-fold
- Support bracket, 2-fold

Plunger valve 3/2-way direct acting

Type 6012 ▶ for Actuator size Ø 40 (C)...63 (E), Type 6014 ▶ for Actuator size Ø 50 (D)...125 (H)



For easy direct mounting to a pneumatic actuator, a banjo connection with banjo bolt is the ideal solution. An optional manual override allows fast commissioning and optimum maintenance.

In conjunction with a cable plug according to DIN EN 175301 - 803 Form A or B, the valves meet protection class IP65.

Features

- High reliability
- Resistant according to IP65

Customer benefits

Easy and quick installation

Stroke limiter

Type 2XXX ▶



Stroke limitations can be used to limit the minimum and maximum flow rate of the valves.

Different variants are available:

- Maximum stroke limitation
- Maximum and minimum stroke limitation with optical position indicator

9. Networking and combination with other Bürkert products

The **angled seat valve Type 2000** can be combined with the **feedback positioner Type 8697** to form the **valve system on/off CLASSIC Type 8801-YA**.

Note:

- For the configuration of further valve systems use the **Product Enquiry Form** (see **"10.3. Bürkert Product Enquiry Form" on page 27**).
- You order two components and receive a completely assembled and tested valve.



10. Ordering information

10.1. 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](#)

10.2. Bürkert product filter

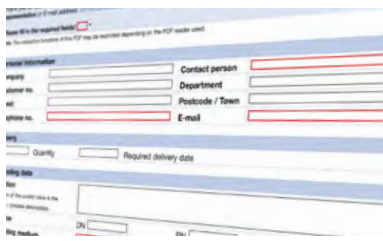


Bürkert product filter – Get quickly to the right product

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](#)

10.3. Bürkert Product Enquiry Form



Bürkert Product Enquiry Form – Your enquiry quickly and compactly

Would you like to make a specific product enquiry based on your technical requirements? Use our Product Enquiry Form for this purpose. There you will find all the relevant information for your Bürkert contact. This will enable us to provide you with the best possible advice.

[Fill out the form now](#)

10.4. Ordering chart threaded connection

Valve with flow direction below seat

Gunmetal body

Control function	Nominal diameter (port connection)	Actuator size Ø	Pilot pressure min.	Operating pressure max.	Article no.
	NPS	[mm]	[bar(g)]	[bar(g)]	PA actuator
DIN ISO 228 - 1					
A (CF A) see control functions ^{1.)}	3/8	40 (C)	4.0	15	344651 
	1/2	40 (C)	4.0	15	342508 
		50 (D)	4.1	16	344665 
	3/4	50 (D)	4.1	11	344662 
		63 (E)	4.5	16	344654 
	1	63 (E)	4.5	11	344658 
		80 (F)	5.0	16	344768 
	1 1/4	80 (F)	5.0	14	344680 
		80 (F)	5.0	9	344675 
	1 1/2	125 (H)	3.2	16	343138 
		125 (H)	4.1	–	–
	2	100 (G)	4.4	7.2	183193 
		125 (H)	3.2	10	344411 
		125 (H)	5.7	–	–
	2 1/2	125 (H)	3.2	5.2	344384 
		125 (H)	5.7	–	–
	3	125 (H)	5.7	–	–
B (CF B) see control functions ^{1.)}	3/8	40 (C)	See diagrams ^{2.)}	16	344510 
	1/2	40 (C)		16	344641 
		50 (D)		16	344672 
	3/4	50 (D)		16	344668 
	1	50 (D)		16	344685 
	1 1/4	63 (E)		16	344681 
	1 1/2	63 (E)		16	344698 
	2	63 (E)		13	342965 
		80 (F)		16	344412 
	2 1/2	80 (F)		15	439038 
	3	125 (H)		–	–

o. r. = on request

1.) For more information, refer to the chapter **"3. Control functions"** on page 7.

2.) See diagrams in chapter **"Pilot pressure diagrams with flow direction below seat (control function B, seat seal PTFE)"** on page 20

3.) According to pressure equipment directive 2014/68/EU for compressible fluids of group 1 (dangerous gases and vapours according to article 4, paragraph (1), c), i), first indent)

Stainless steel body

Control function	Nominal diameter (port connection)	Actuator size Ø	Pilot pressure min.	Operating pressure max.	Article no.			
	NPS	[mm]	[bar(g)]	[bar(g)]	CF3M	CF8	CF3M	CF8
DIN ISO 228 - 1					PA actuator		PPS actuator	
A (CF A) see control functions ¹⁾	3/8	40 (C)	4.0	15	342352 	o. r.	344649 	o. r.
	1/2	40 (C)	4.0	15	345487 	o. r.	344645 	o. r.
		50 (D)	4.1	16	341191 	o. r.	344663 	o. r.
	3/4	50 (D)	4.1	11	344660 	o. r.	344659 	o. r.
		63 (E)	4.5	20	342666 	o. r.	344652 	o. r.
	1	63 (E)	4.5	11	344656 	o. r.	344655 	o. r.
		80 (F)	5.0	25	342693 	o. r.	344822 	o. r.
	1 1/4	80 (F)	5.0	14	340789 	o. r.	344676 	o. r.
		80 (F)	5.0	9	343142 	o. r.	344673 	o. r.
		125 (H)	3.2	16	342695 	o. r.	o. r.	o. r.
	2	125 (H)	4.1	25	344989 	o. r.	o. r.	o. r.
		100 (G)	4.4	7.2	344381 	o. r.	344382 	o. r.
		125 (H)	3.2	10	o. r.	o. r.	o. r.	o. r.
	2 1/2	125 (H)	5.7	24 (20 ^{3.)})	20001172 	o. r.	o. r.	o. r.
		125 (H)	3.2	5.2	344385 	o. r.	344432 	o. r.
		125 (H)	5.7	12	o. r.	o. r.	361565 	o. r.
	3	125 (H)	5.7	7.5	350628 	o. r.	o. r.	o. r.
B (CF B) see control functions ¹⁾	3/8	40 (C)	See diagrams ^{2.)}	16	344517 	o. r.	344647 	o. r.
	1/2	40 (C)		16	344642 	o. r.	344643 	o. r.
		50 (D)		16	344670 	o. r.	344669 	o. r.
	3/4	50 (D)		16	344667 	o. r.	344666 	o. r.
	1	50 (D)		16	344683 	o. r.	344682 	o. r.
	1 1/4	63 (E)		25	344687 	o. r.	344686 	o. r.
	1 1/2	63 (E)		25	344696 	o. r.	344695 	o. r.
	2	63 (E)		13	344386 	o. r.	344433 	o. r.
		80 (F)		25 (20 ^{3.)})	344413 	o. r.	344459 	o. r.
	2 1/2	80 (F)		15	344387 	o. r.	344434 	o. r.
	3	125 (H)		14 (12.5 ^{3.)})	370263 	o. r.	o. r.	o. r.

o. r. = on request

1.) For more information, refer to the chapter "3. Control functions" on page 7.

2.) See diagrams in chapter "Pilot pressure diagrams with flow direction below seat (control function B, seat seal PTFE)" on page 20

3.) According to pressure equipment directive 2014/68/EU for compressible fluids of group 1 (dangerous gases and vapours according to article 4, paragraph (1), c), i), first indent)

Valve with flow direction above seat

Note:

See diagrams in chapter "Pilot pressure diagram with flow direction above seat (control function A, seat seal PTFE)" on page 22.

Control function	Nominal diameter (port connection)	Actuator size Ø	Operating pressure max.	Article no.				
	NPS	[m³/h]	[bar(g)]	Gunmetal body	Stainless steel body CF3M		Stainless steel body CF8	
				PA actuator	PA actuator	PPS actuator	PA actuator	PPS actuator
DIN ISO 228 - 1								
A (CF A) see control functions ¹⁾	3/8	40 (C)	16	344782 	344516 	o. r.	o. r.	o. r.
	1/2	50 (D)	16	344734 	344761 	344765 	o. r.	o. r.
	3/4	40 (C)	16	344803 	344820 	o. r.	o. r.	o. r.
		50 (D)	16	344741 	344740 	344709 	o. r.	o. r.
	1	50 (D)	16	344763 	344793 	344827 	o. r.	o. r.
		63 (E)	16	344694 	344693 	344692 	o. r.	o. r.
	1 1/4	63 (E)	16	344691 	344700 	344699 	o. r.	o. r.
	1 1/2	63 (E)	16	344703 	344702 	344701 	o. r.	o. r.
	2	63 (E)	16	344383 	344395 	344454 	o. r.	o. r.
	2 1/2	80 (F)	14	344394 	344396 	344457 	o. r.	o. r.
		100 (G)	15	344485 	344487 	o. r.	o. r.	o. r.

o. r. = on request

1.) For more information, refer to the chapter "3. Control functions" on page 7.

Further variants on request

 Approval Food processing, drinking water, oxygen, fuel gases, explosion protection	 Pressure Other variants for operating pressures up to 25 bar(g) Vacuum variant down to -0.9 bar(g)
 Material Seal: NBR, FKM, EPDM	 Temperature High temperature variant up to + 230 °C Hot water variant up to + 200 °C Low temperature variant down to - 40 °C
 Process connection Clamp connection, welded connection	

10.5. Ordering chart welded connection

Valve with flow direction below seat

Control function	Nominal diameter (port connection)	Actuator size Ø	Port connection Pipe Ø	Pilot pressure min.	Operating pressure max.	Article no.	
	NPS					[mm]	[mm]
DIN EN ISO 1127 / ISO 4200							
A (CF A) see control functions ^{1.)}	15	50 (D)	21.3 × 1.6	4.1	16	344388 	344473 
	20	50 (D)	26.9 × 1.6	4.1	11	344389 	344474 
	25	63 (E)	33.7 × 2.0	4.5	11	344390 	344475 
	32	80 (F)	42.4 × 2.0	5	14	344391 	344450 
	40	80 (F)	48.3 × 2.0	5	9	344392 	344483 
	50	100 (G)	60.3 × 2.0	4.4	7.2	345012 	356461 
	65	125 (H)	76.1 × 2.3	3.2	5.2	344588 	o. r.
			76.1 × 2.3	5.7	12	20001505 	o. r.
B (CF B) see control functions ^{1.)}	15	50 (D)	21.3 × 1.6	See diagrams ^{2.)}	16	345485 	344478 
	20	50 (D)	26.9 × 1.6		16	344405 	344479 
	25	63 (E)	33.7 × 2.0		25	344406 	o. r.
	32	63 (E)	42.4 × 2.0		25	344407 	o. r.
	40	63 (E)	48.3 × 2.0		25	344408 	353580 
	50	63 (E)	60.3 × 2.0		13	345013 	o. r.
	65	80 (F)	76.1 × 2.3		15	344609 	o. r.
DIN 11850 - 2							
A (CF A) see control functions ^{1.)}	15	50 (D)	19 × 1.5	4.1	16	344267 	344557 
	20	50 (D)	23 × 1.5	4.1	11	344522 	344559 
	25	63 (E)	29 × 1.5	4.5	11	344523 	344540 
	32	80 (F)	35 × 1.5	5	14	344524 	352462 
	40	80 (F)	41 × 1.5	5	9	344525 	352468 
	50	100 (G)	53 × 1.5	4.4	7.2	344526 	352467 
	65	125 (H)	70 × 2.0	3.2	5.2	344614 	o. r.
			70 × 2.0	5.7	12	20015086 	o. r.
B (CF B) see control functions ^{1.)}	15	50 (D)	19 × 1.5	See diagrams ^{2.)}	16	344527 	352208 
	20	50 (D)	23 × 1.5		16	344528 	344558 
	25	63 (E)	29 × 1.5		25	344530 	366314 
	32	63 (E)	35 × 1.5		25	344531 	352385 
	40	63 (E)	41 × 1.5		25	344532 	352387 
	50	63 (E)	53 × 1.5		13	344533 	154903 
	65	80 (F)	70 × 2.0		15	344617 	o. r.
ASME BPE							
A (CF A) see control functions ^{1.)}	½	50 (D)	12.7 × 1.65	4.1	16	344549 	344547 
	¾	50 (D)	19.05 × 1.65	4.1	11	344726 	o. r.
	1	63 (E)	25.4 × 1.65	4.5	11	345476 	344879 
	1½	80 (F)	38.1 × 1.65	5	9	344553 	o. r.
	2	100 (G)	50.8 × 1.65	4.4	7.2	344727 	o. r.
B (CF B) see control functions ^{1.)}	½	50 (D)	12.7 × 1.65	See diagrams ^{2.)}	16	344550 	364483 
	¾	50 (D)	19.05 × 1.65		16	344583 	o. r.
	1	63 (E)	25.4 × 1.65		25	183280 	o. r.
	1½	63 (E)	38.1 × 1.65		25	344554 	o. r.
	2	63 (E)	50.8 × 1.65		13	344630 	o. r.

o. r. = on request

1.) For more information, refer to the chapter "3. Control functions" on page 7.

2.) See diagrams in chapter "Pilot pressure diagrams with flow direction below seat (control function B, seat seal PTFE)" on page 20

Valve with flow direction above seat

The following tables refer to valves with stainless steel body, n actuator of PA and Ra inside from $\leq 3.2 \mu\text{m}$.

Control function	Nominal diameter (port connection)	Actuator size Ø	Port connection Pipe Ø	Pilot pressure min.	Operating pressure max.	Article no.	
	NPS	[mm]	[mm]	[bar(g)]	[bar(g)]	PA actuator	PPS actuator
DIN EN ISO 1127 / ISO 4200							
A (CF A) see control functions ^{1.)}	15	50 (D)	21.3 × 1.6	See diagrams ^{2.)}	16	344402 	352370 
	20	50 (D)	26.9 × 1.6		16	344401 	o. r.
	25	63 (E)	33.7 × 2		16	344400 	352457 
	32	63 (E)	42.4 × 2		16	344397 	o. r.
	40	63 (E)	48.3 × 2		16	344398 	344480 
	50	63 (E)	60.3 × 2.0		16	345014 	o. r.
	65	80 (F)	76.1 × 2.3		14	345146 	o. r.
DIN 11850 - 2							
A (CF A) see control functions ^{1.)}	15	50 (D)	19 × 1.5	See diagrams ^{2.)}	16	342493 	344582 
	20	50 (D)	23 × 1.5		16	344534 	344863 
	25	63 (E)	29 × 1.5		16	344535 	352203 
	32	63 (E)	35 × 1.5		16	344536 	352390 
	40	63 (E)	41 × 1.5		16	344537 	352207 
	50	63 (E)	53 × 1.5		16	341778 	352461 
	65	80 (F)	70 × 2.0		14	344625 	367783 
ASME BPE							
A (CF A) see control functions ^{1.)}	½	50 (D)	12.7 × 1.65	See diagrams ^{2.)}	16	344728 	o. r.
	¾	50 (D)	19.05 × 1.65		16	344729 	o. r.
	1	63 (E)	25.4 × 1.65		16	344730 	344556 
	1½	63 (E)	38.1 × 1.65		16	344731 	o. r.
	2	63 (E)	50.8 × 1.65		16	344602 	o. r.

o. r. = on request

1.) For more information, refer to the chapter "3. Control functions" on page 7.

2.) See diagrams in chapter "Pilot pressure diagram with flow direction above seat (control function A, seat seal PTFE)" on page 22

Further variants on request

 Approval Food processing, drinking water, oxygen, fuel gases, explosion protection	 Pressure Other variants for operating pressures up to 25 bar(g) Vacuum variant down to - 0.9 bar(g)
	 Material Seal: NBR, FKM, EPDM
 Process connection Clamp connection, threaded connection	 Temperature High temperature variant up to + 230 °C Hot water variant up to + 200 °C Low temperature variant down to - 40 °C

10.6. Ordering chart clamp connection

Valve with flow direction below seat

Note:

The following tables refer to valves with stainless steel body.

Control function	Nominal diameter (port connection)	Actuator size Ø	Port connection external Ø	Pilot pressure min.	Operating pressure max.	Article no.	
	DN	[mm]	[mm]	[bar(g)]	[bar(g)]	PA actuator	PPS actuator
ISO 2852							
A (CF A) see control functions ¹⁾	15	50 (D)	34.0	4.1	16	345128 	o. r.
	20	50 (D)	50.5	4.1	11	345129 	o. r.
	25	63 (E)	50.5	4.2	11	345130 	344574 
	32	80 (F)	50.5	5	14	345131 	o. r.
	40	80 (F)	64.0	5	9	345132 	o. r.
	50	100 (G)	77.5	4.4	7.2	345133 	o. r.
B (CF B) see control functions ¹⁾	15	50 (D)	34.0	See diagrams ²⁾	16	363929 	o. r.
	20	50 (D)	50.5		16	345134 	o. r.
	25	50 (D)	50.5		16	363930 	o. r.
	32	63 (E)	50.5		16	363933 	o. r.
	40	63 (E)	64.0		16	363940 	o. r.
	50	63 (E)	77.5		13	363942 	o. r.
ASME BPE							
A (CF A) see control functions ¹⁾	½	50 (D)	25.0	4.1	16	344632 	o. r.
	¾	50 (D)	25.0	4.1	11	344633 	o. r.
	1	63 (E)	50.5	4.2	11	344634 	o. r.
	1½	80 (F)	50.5	5	9	344635 	o. r.
	2	100 (G)	64.0	4.4	7.2	344636 	o. r.
B (CF B) see control functions ¹⁾	½	50 (D)	25.0	See diagrams ²⁾	16	o. r.	o. r.
	¾	50 (D)	25.0		16	o. r.	o. r.
	1	50 (D)	50.5		16	o. r.	o. r.
	1½	63 (E)	50.5		16	o. r.	o. r.
	2	63 (E)	64.0		13	o. r.	o. r.

o. r. = on request

1.) For more information, refer to the chapter "3. Control functions" on page 7.

2.) See diagrams in chapter "Pilot pressure diagrams with flow direction below seat (control function B, seat seal PTFE)" on page 20

Valve with flow direction above seat

Control function	Nominal diameter (port connection)	Actuator size Ø	Port connection external Ø	Pilot pressure min.	Operating pressure max.	Article no.	
	DN	[mm]	[mm]	[bar(g)]	[bar(g)]	PA actuator	PPS actuator
ISO 2852							
A (CF A) see control functions ¹⁾	15	50 (D)	34.0	See diagrams ²⁾	16	345135 	345145 
	20	50 (D)	50.5		16	345136 	o. r.
	25	63 (E)	50.5		16	345137 	o. r.
	32	63 (E)	50.5		16	345138 	o. r.
	40	63 (E)	64.0		16	345139 	o. r.
	50	63 (E)	77.5		16	345140 	431027 
ASME BPE							
A (CF A) see control functions ¹⁾	½	50 (D)	25.0	See diagrams ²⁾	16	344721 	o. r.
	¾	50 (D)	25.0		16	344722 	o. r.
	1	63 (E)	50.5		16	344723 	o. r.
	1½	63 (E)	50.5		16	344724 	o. r.
	2	63 (E)	64.0		16	344725 	o. r.

o. r. = on request

1.) For more information, refer to the chapter "3. Control functions" on page 7.

2.) See diagrams in chapter "Pilot pressure diagram with flow direction above seat (control function A, seat seal PTFE)" on page 22

Further variants on request

	Approval Food processing, drinking water, oxygen, fuel gases, explosion protection		Pressure Other variants for operating pressures up to 25 bar(g) Vacuum variant down to - 0.9 bar(g)
	Material Seal: NBR, FKM, EPDM		Temperature High temperature variant up to + 230 °C Hot water variant up to + 200 °C Low temperature variant down to - 40 °C
	Process connection Clamp connection acc. to DIN 32676, welded connection, threaded connection		