DN 15 - 50, PN10 or PN16, Gunmetal or Stainless Steel

Advantages / Benefits

- **Compact industrial design with long service life**
- **Superior flow rates**
- **Excellent seat tightness due to PTFE soft sealing**
- **Choice of process connections and body materials**
- **High operating safety**
  - **long life stem packing**
  - **few parts**
  - **hand wheels with comfortable gripping**
- **Maintenance-free**

Design

The manually operated valve is available in two different materials; gunmetal and stainless steel.
The stainless steel valve body is available in a large variety of pipe connections:
- threaded connections,
- Tri-Clamp® connections,
- butt weld ends.

The gunmetal valve body is available with threaded ports.

Applications

Fluids

Neutral gases and liquids

Steam up to 10 bar / 180°C

Aggressive fluids with stainless steel body

Industries

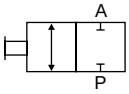
Systems engineering
Food processing
Chemical industry
Sterilizers

bürkert
Easy Fluid Control Systems

Technical Data

Control Functions

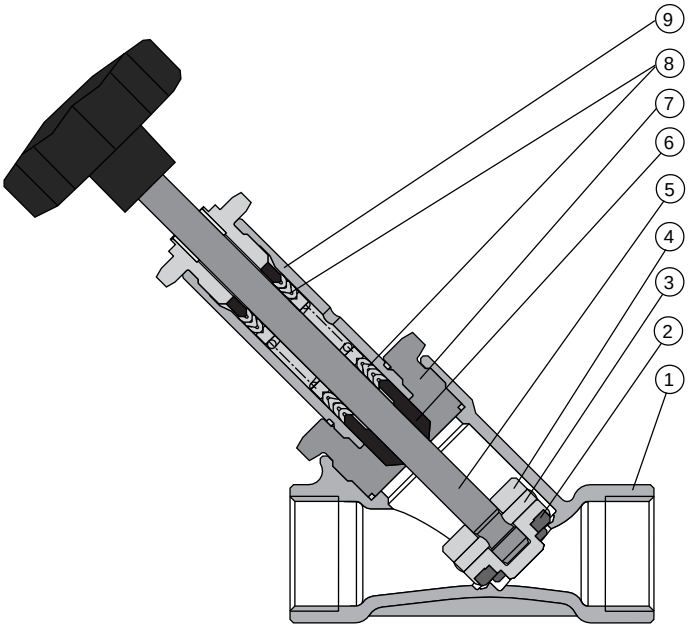
I 2/2-way valve



Operating Data

Threaded connection	ISO 228
Weld ends	ISO 4200
Tri-Clamp® connection	ISO 2852
Nominal pressure gunmetal	PN 16
Nominal pressure s. steel	PN 16
Nominal pressure with Tri-Clamp® connection	PN 10
Fluids	Neutral gases and liguids, air, water, hydraulic liquids. With stainless steel body: aggressive fluids, i.e. acids, lyes. Steam.
Max. viscosity	600 mm^2/s
Fluid temperature	min. -10 °C max. +180 °C

Materials



1.	Valve body:	Gunmetal, 1.4408 (threaded port), 1.4581 (weld-ends and Tri-Clamp®)
2.	Seal:	PTFE
3.	Pin:	1.4401
4.	Swivel plate:	1.4401
5.	Spindle:	1.4401
6.	Wiper:	PTFE
7.	Nipple:	1.4401
8.	V-seals:	PTFE
9.	Tube:	1.4401

Ordering Chart

Threaded port connections ISO 228

Orifice DN [mm]	Threaded ports ISO 228	Kv-Value [m3/h]	Max. operating pressure [bar]	Weight [kg]	**Item-No.** Gunmetal valve body	**Item-No.** Stainless Steel valve body
DN 15	G 1/2	4.2	16	0.9	415 650 H	415 656 T
DN 20	G 3/4	8.0	16	1.0	415 651 W	415 657 U
DN 25	G 1	19.0	16	1.2	415 652 X	415 658 D
DN 32	G 1 1/4	27.5	16	1.4	415 653 Y	415 659 E
DN 40	G 1 1/2	42.0	16	1.6	415 654 Z	415 660 B
DN 50	G 2	55.0	16	2.0	415 655 S	415 661 Y

Butt weld ends ISO 4200

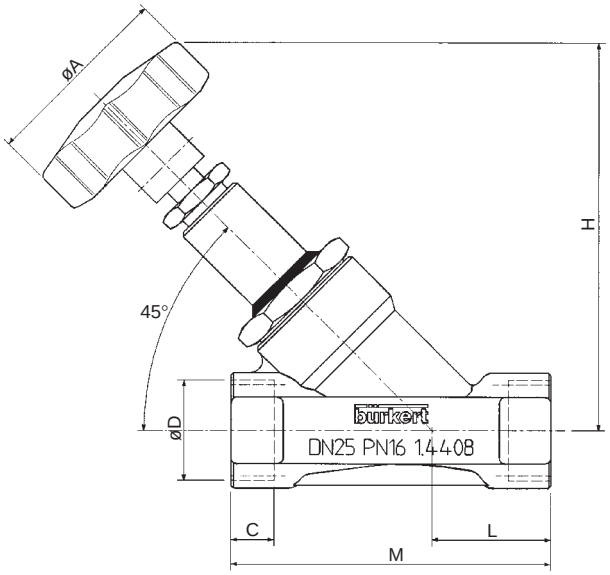
Orifice DN [mm]	Butt weld ends ISO 4200 [mm]	Kv-Value [m3/h]	Max. operating pressure [bar]	Weight [kg]	**Item-No.** Stainless Steel valve body
DN 15	21.3 x 1.6	4.2	10	0.9	415 662 Z
DN 20	26.9 x 1.6	8.0	10	1.0	415 663 S
DN 25	33.7 x 2.0	19.0	10	1.2	415 664 T
DN 32	42.4 x 2.0	27.5	10	1.4	415 665 U
DN 40	48.3 x 2.0	42.0	10	1.6	415 666 V
DN 50	60.3 x 2.6	55.0	10	2.0	415 667 W

Tri-Clamp® connections ISO 2850

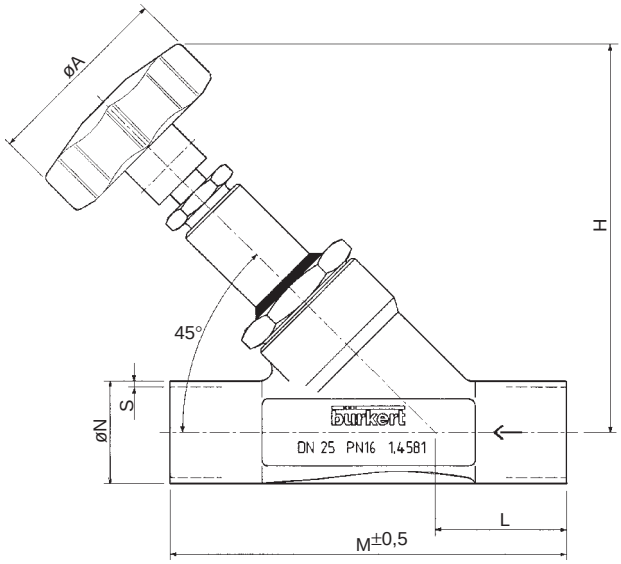
Orifice DN [mm]	Tri-Clamp® ISO 2850 [mm]	Kv-Value [m3/h]	Max. operating pressure [bar]	Weight [kg]	**Item-No.** Stainless Steel valve body
DN 15	34.0	4.2	10	1.0	415 647 S
DN 20	50.5	8.0	10	1.2	415 317 P
DN 25	50.5	19.0	10	1.4	415 316 N
DN 32	50.5	27.5	10	1.6	415 315 M
DN 40	64.0	42.0	10	1.8	415 648 B
DN 50	77.5	55.0	10	2.3	415 649 C

Dimensions [mm]

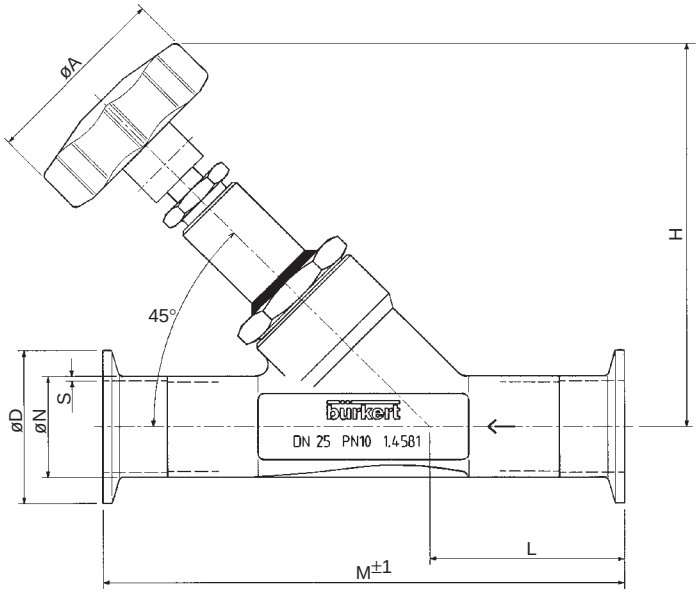
Threaded ports



Butt weld ends



Tri-Clamp® connections



	Threaded ports						Weld ends						Tri-Clamp® connections					
	DN13	DN20	DN25	DN32	DN40	DN50	DN15	DN20	DN25	DN32	DN40	DN50	DN15	DN20	DN25	DN32	DN40	DN50
øA	50	63	63	70	70	85	50	63	63	70	70	85	50	63	63	70	70	85
C	12	12	14	16	18	20												
øD	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"							34	50,5	50,5	50,5	64	77,5
H	102	125	128	146	150	190	102	125	128	146	150	190	102	125	128	146	150	190
L	33	36	39	41	41	45	34	39	43	45	49	50	49	56,5	58	62,5	69	77,5
M	85	95	105	120	130	150	100	115	130	145	160	175	130	150	160	180	200	230
øN							21,3	26,9	33,7	42,4	48,3	60,3	21,3	26,9	33,7	42,4	48,3	60,3
S							1,6	1,6	2	2	2	2,6	1,6	1,6	2	2	2	2,6

In case of special application requirements, please consult for advice.

We reserve the right to make technical changes without notice.
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