

Check valve 4000



DN10 to DN80

To protect systems and system components against impermissible backflow.

- All parts that come into contact with media are made of stainless steel (1.4408 or 1.4310)
- Compact design
- Sealing material PTFE

Technical specifications

nominal widths	angle seat housing	DN10 - DN80
	rectangular housing	DN15 - DN50
	flange housing	DN15 - DN50
housing material	1.4408 stainless steel	
Material of internal parts	Stainless steel 1.4571/1.4310	
Seat seal material	PTFE (EPDM, NBR, FKM, PEEK)	
connections	Pipe thread according to ISO	
	228-1 NPT thread	
	welding ends	
	Tri clamp	
	Flanges according to DIN EN 1092-1 Flanges according to ANSI 150	
nominal pressure	PN 40	
opening pressure	approx. 0.2 bar (approx. 0.1 bar with reduced spring force)	
pressure limitation	Limitation for dangerous gases according to Pressure Equipment Directive 97/23/EG (category I): PS x DN < 1000	
temperature range	- 40°C to +200°C (optionally up to +220°C)	

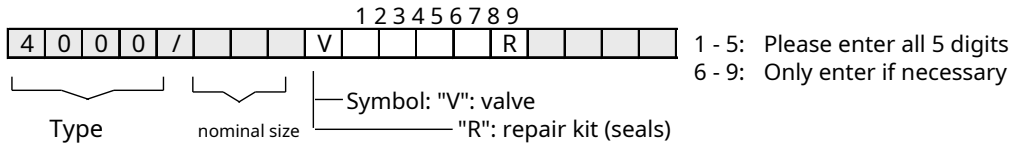


differential pressures

Nominal size DN	max. permissible differential pressure (back pressure) bar	
	seat seal	
	PTFE/PEEK	FKM / EPDM / NBR
10	40	16
15	40	16
20	40	16
25	40	16
32	40	16
40	40	16
50	25	16
65	25	16
80	25	16

Check valve 4000

Order number system

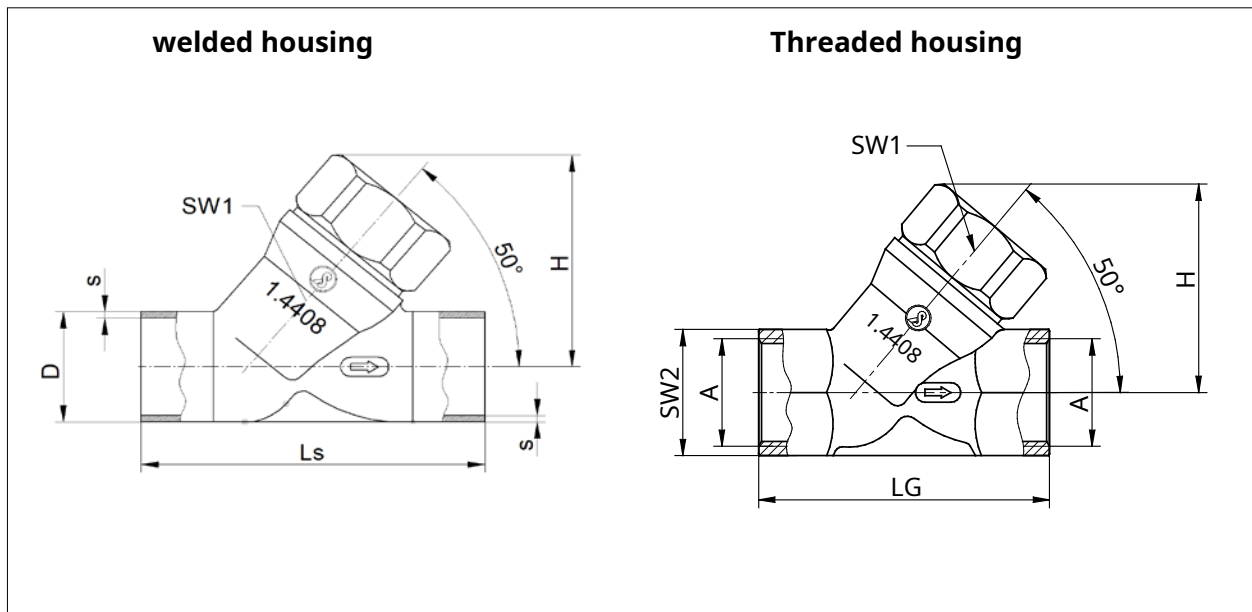


1. design	2. Connection	3. Housing-material	4. sit down tion	5. Tax-function	6. piston the	7. Housing	8th.top	9. special guides
1 Aslant-Seat	0 Whitworth pipe thread	2 stainless steel	- without	R return percussive till (always indicate)	- Default-confirm cover	- default	- default	S special guides
2 Flange-Valve	2 without thread with welding send (socket weld connection)		0 PTFE		0 reduced spring force			
3 flange ANSI150	5 NPT thread		1 FKM (viton)		B without Feather			
7 angle valve	6 without thread		2 EPDM					
9 flange PN40	9 angle seat flanged valve according to DIN EN 1092-1		3 NBR					
	C oblique flanged valve according to ANSI 150		5 PTFE with 25% glass fiber					
	D with welding eat after DIN 11850		8th PEEK at To whom-fertilize above 160°C					
	E with welding eat		9 EPDM (FDA)					
	H with welding eat after ISO							
	T tapered pipe thread to EN10226-2							
	Z tri clamp connection after							

Order example: 4000/020V1020R
 Non-return valve with angle seat body 4000, DN 20, Whitworth pipe thread connection, stainless steel body, PTFE seat seal, non-return valve

mass and weight

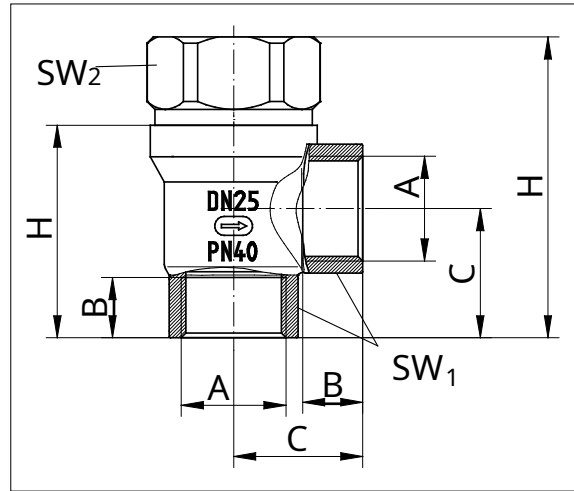
angle seat housing



DN	with welding ends according to ISO			with G thread			H	SW1	Kvs value	Weight kg
	D	s	Ls	A	SW2	LG				
10	-	-	-	3/8"	23	60	43.5	27	1.0	0.25
15	21.3	2	80	1/2"	25	65	42.8	27	2.6	0.25
20	26.9	2.3	90	3/4"	31	75	54	32	6	0.42
25	33.7	2.6	100	1"	39	90	62.9	36	11.5	0.65
32	42.6	2.6	110	1 1/4"	48	110	74	36	18.5	1.1
40	48.3	2.6	120	1 1/2"	55	120	79.5	27	28	1.05
50	60.3	2.9	150	2"	68	150	96	36	41	2.2
65	76.1	2.9	180	2 1/2"	85	180	123.1	36	75	4
80	88.9	3.2	220	3"	100	214	152.2	41	120	7

size in mm

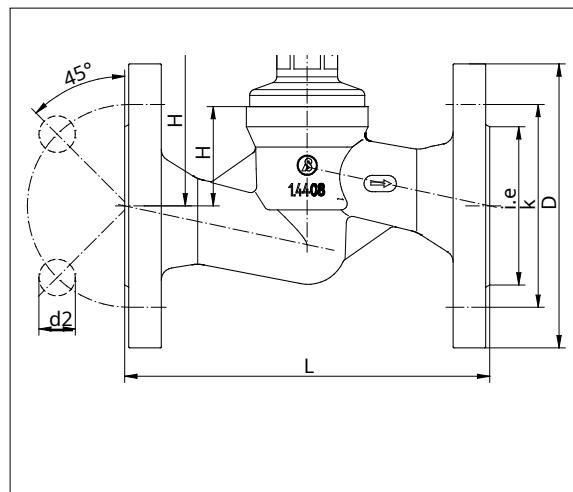
rectangular housing



DN	with G thread		with NPT thread		C	SW1	SW2	H	H	Weight kg
	A	B	A	B						
15	G 1/2"	15	NPT 1/2"	14.5	41	25	32	64	75	1.3
20	3/4"	16.3	NPT 3/4"	15	41	32	36	66	88.5	1.7
25	G 1"	19.1	NPT 1"	17.9	41	41	36	67.5	95.5	2.0
32	G 1 1/4"	21.4	NPT 1 1/4"	18.4	65	50 - 8ct	27	93	125.5	2.2
40	G 1 1/2"	21.4	NPT 1 1/2"	18.4	65	55 - 8ct	36	101	140	3.4
50	G 2"	25.7	NPT 2"	18.4	65	68 - 8ct	36	116	166.5	5.3

size in mm

flange housing



DN	L	D	k	H	H	i.e	d1	SW	Weight kg
15	130	95	65	43.7	33	45	14	32	3.78
20	150	105	75	61	38.5	58	14	36	3.84
25	160	115	85	72	44	68	14	36	4.40
32	180	140	100	81.5	49	78	18	27	6.05
40	200	150	110	98.5	59.5	88	18	36	8.11
50	230	165	125	131.4	81.2	102	18	36	11.55

size in mm

Information and illustrations are non-binding. Subject to change.