

## **Type K66**

DN 15 - 300  
PN 16 - 40

# **Check Valve**

Butt-Welded, Flanged

### **Data Sheet**

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### Application

- Self-acting closing element; in case of „A“ class leakage, an additional on-off valve should be added to the piping
- **Fluids**  
Water, steam, air, gas and non aggressive medium
- **Industry**  
Power engineering, chemical and petrochemical industry

### Technical description

- Lift check valve is self-acting by pressure of the working medium on the plug, which prevents reverse flow and temperature or pressure shocks, achieved by the spring above the plug
- Direction of flow is under the plug

### Operation

- Self-acting, by pressure of medium

### Testing

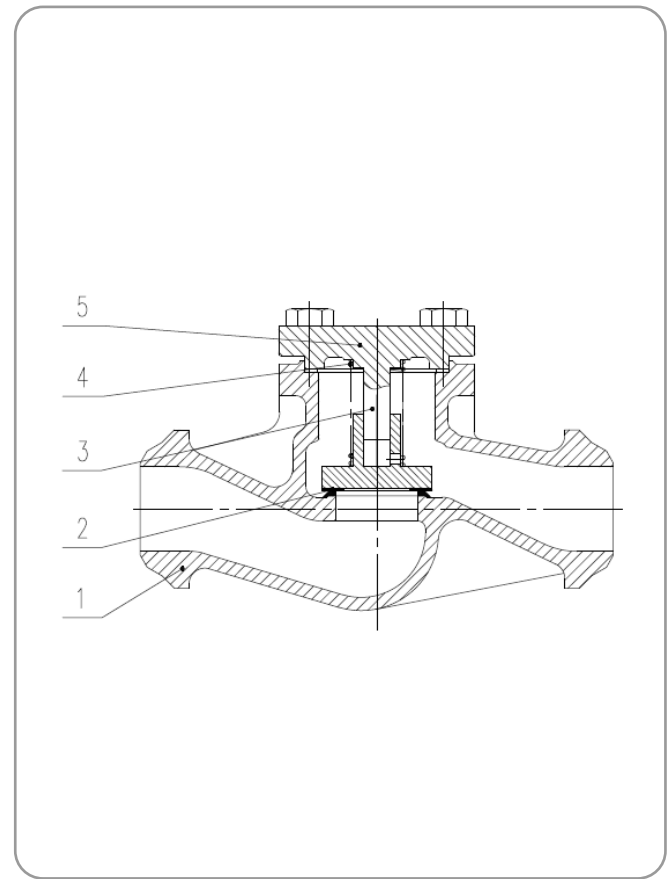
- The valves are pressure tested with water for strength and tightness in accordance with working parameters and material of body according to EN-12266
- The minimum pressure for the strength testing is 1,5 x PN

### Installation

- Lift check valve can be installed to horizontal and vertical pipeline
- Direction of flow in vertical position is under the disc

### Connection

- Butt-welded according to EN-12627, flanged according to EN-1092-1 or according to customer request
- Face to face dimension according to EN-558-1

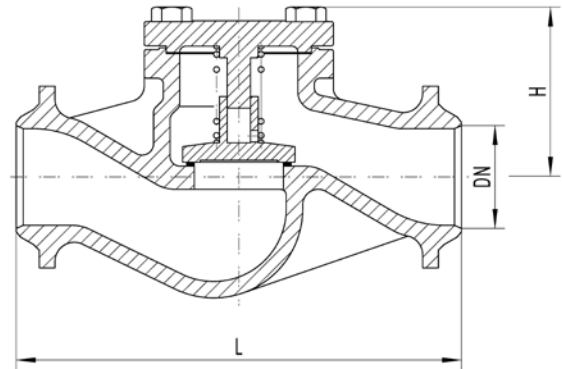
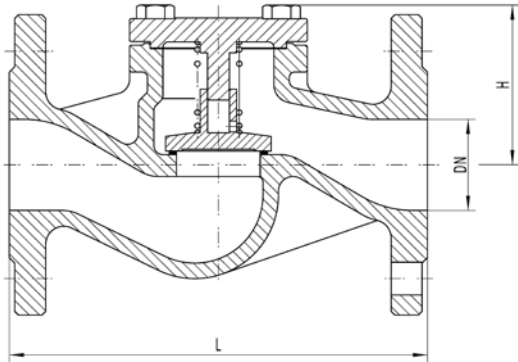


### Materials of main parts

Pos.	Name	Material
1	<b>Body</b>	1.0619 (A216 WCB), 1.7357 (A217 WC6), 1.4408 (A351 CF8M)
2	<b>Seat</b>	13Cr, Stellite
3	<b>Stem</b>	SS304, SS316
4	<b>Gasket</b>	SS316 + Graphite
5	<b>Bonnet</b>	1.0619 (A216 WCB), 1.7357 (A217 WC6), 1.4408 (A351 CF8M)

### Operating data

Material	PN	Working pressure MPa / Working temperature °C														
		100	150	200	250	300	350	400	425	450	500	525	550	575	595	
<b>1.0619 (A216 WCB)</b>	<b>16</b>	1,46	1,43	1,38	1,32	1,22	1,17	1,09	-	-	-	-	-	-	-	
	<b>25</b>	2,29	2,23	2,16	2,06	1,91	1,82	1,70	-	-	-	-	-	-	-	
	<b>40</b>	3,66	3,57	3,46	3,29	3,06	2,92	2,72	-	-	-	-	-	-	-	
<b>1.4408 (A351 CF8M)</b>	<b>16</b>	1,33	1,20	1,10	1,02	0,96	0,91	0,87	0,86	0,86	0,83	-	-	-	-	
	<b>25</b>	2,07	1,87	1,72	1,60	1,50	1,42	1,36	1,35	1,34	1,30	-	-	-	-	
	<b>40</b>	3,32	2,99	2,75	2,56	2,41	2,27	2,18	2,16	2,14	2,08	-	-	-	-	
<b>1.7357 (A217 WC6)</b>	<b>16</b>	1,63	1,58	1,49	1,43	1,33	1,23	1,15	1,11	1,07	0,89	0,68	0,35	0,28	0,20	
	<b>25</b>	2,54	2,48	2,33	2,23	2,08	1,93	1,80	1,73	1,67	1,39	1,06	0,55	0,43	0,32	
	<b>40</b>	4,07	3,96	3,74	3,57	3,33	3,09	2,89	2,77	2,67	2,23	1,70	0,88	0,69	0,52	

**Dimensions**


DN	PN	L mm	H mm	m kg	
				FL	BW
15	16 25/40	130	69	2,8	1,9
20		150	70	3,8	2,8
25		160	75	5,3	3,8
32		180	78	7,2	4,8
40		200	85	9	6
50	16	230	90	12	8,5
65		290	110	16	12
80		310	125	23	18
100		350	150	35	29
125		400	185	45	37
150		480	283	62	51
200		600	340	132	120
250		730	400	220	203
300		850	445	330	308
65		25/40	290	110	17
80	310		125	24	19
100	350		150	39	30
125	400		185	50	38
150	480		283	68	54
200	25	600	340	143	123
250		730	400	233	208
300		850	445	350	316
200	40	600	340	153	129
250		730	400	250	223
300		850	445	390	348