

CHECK VALVE zCHE



Body material	Nominal pressure	Nominal diameter	Max. temperature
G Forged steel	F 63 bar	DN 15-25	450°C
	G 100 bar	DN 15-25	
	H 160 bar	DN 15-50	
F Cast steel	F 63 bar	DN 32-200	450°C
	G 100 bar	DN 32-200	
	H 160 bar	DN 65-200	
Q Alloy steel	F 63 bar	DN 15-200	550°C
	G 100 bar		
	H 160 bar		



correspond to the pressure equipment directive 2014/68/UE marking CE for DN≥32

**FEATURES**

- closing tightness class D acc. to EN -12266-1
- compact settlement
- environment-friendly
- tests acc. to EN - 12266 - 1

**APPLICATION \***

\* not all of the applications are suitable for all of the executions  
 On the website [www.zetkama.com.pl](http://www.zetkama.com.pl) is a Chemical Resistance List, which specifies the parameters of work for a given medium

industries							
	INDUSTRY	SHIPBUILDING INDUSTRY	HEATING	REFRIGERATION AND AIR CONDITIONING			
	media						
		GLYCOL	INDUSTRIAL WATER	DIATHERMIC OIL	STEAM	COMPRESSED AIR	NEUTRAL FLUIDS

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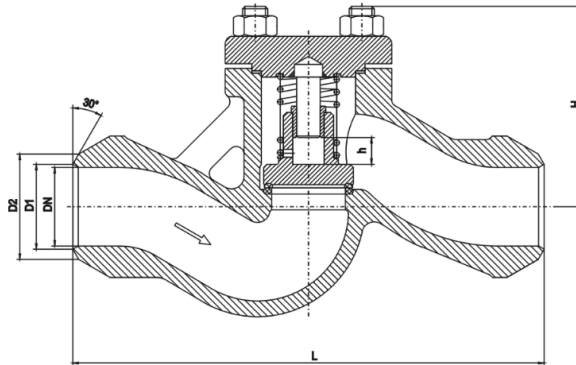
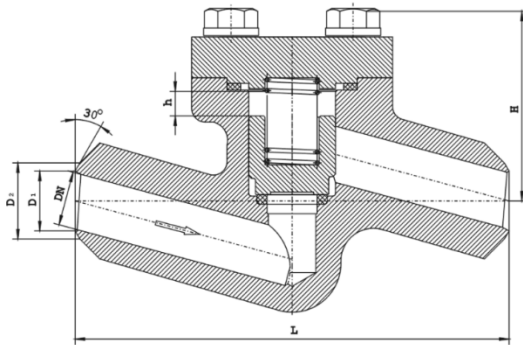
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# FIG.297(ex. 464s, 564s)

## MATERIALS, DIMENSIONS

DN 15-25 PN63, 100  
DN 15-50 PN160

DN 32-200 PN63, 100  
DN 65-200 PN160



	Body material	G	F	Q	Q
	Type	31	31	31	31
	PN	63 – 100 DN15-25 160 DN15-50	63 – 100 DN32-200 160 DN65-200	63 – 100 DN15-25 160 DN15-50	63 – 100 DN32-200 160 DN65-200
1	Body	P245GH	GP240GH	13 Cr Mo 4 5	G17 CrMo 9- 10
2	Seat ring	18-8 Cr Ni	18-8 Cr Ni	Stellite	Stellite
3	Cover	P245 GH	P245 GH	13 Cr Mo 4 5	13 Cr Mo 4 5
5	Disc (padding)	18-8 Cr Ni		Stellite	
6	Gasket	Graphite			
<b>Max. temperature</b>		<b>450°C</b>			<b>550°C</b>

DN	15	20	25	32	40	50	65	80	100	150	200
L(mm)	160	160	160	230	230	300	340	380	430	550	65
H (mm)	52	56	65	100	120	125	160	175	235	337	415
h (mm)	10	12	15	22	22	22	41	46	42	83	70
Weight (kg)	1,5	2,1	2,8	6,6	8,9	13,5	25	29	45	101	---

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Edition 01/2020

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**PRESSURE-TEMPERATURE RATINGS**

Material	PN	Temperature [° C]																		
		-10 < do <50	100	150	200	250	300	350	400	450	460	470	480	490	500	510	520	530	540	550
P245GH GP240 GH	63	63	58,5	55,5	52,5	48,0	43,5	40,5	37,5	20,7	-	-	-	-	-	-	-	-	-	-
	100	100	92,8	88,0	83,3	76,1	69,0	64,2	59,5	32,8	-	-	-	-	-	-	-	-	-	-
	160	160	148,5	140,9	133,3	121,9	110,4	102,8	95,2	52,5	-	-	-	-	-	-	-	-	-	-
13CrMo4-5	63	63	63	63	63	63	63	60,0	56,7	53,1	50,5	47,9	45,4	42,8	41,1	34,8	28,2	23,4	18,3	14,7
	100	100	100	100	100	100	100	95,2	90,0	84,2	80,2	76,1	72,0	68,0	65,2	55,2	44,7	37,1	29,0	23,3
	160	160	160	160	160	160	160	152,3	144,0	134,8	128,3	121,8	115,3	108,8	104,3	88,3	71,6	59,4	46,4	37,3

**DIMENSIONS OF WELDING ENDS**

DN		15	20	25	32	40	50	65	80	100	150	200
PN63	D1 (mm)	17	22	28	37	43	54	70	82	104	154	204,5
	D2 (mm)	22	28	34	43	54	67	83	96	115	176	223
PN100	D1 (mm)	17	22	28	37	43	54	70	82	104	154	199,5
	D2 (mm)	22	28	34	43	54	67	83	96	115	176	223
PN160	D1 (mm)	17	22	27	35	41	51	65	76,5	98,5	144,5	189
	D2 (mm)	24	28	34	43	49	62	77	91	117	172	223

Other type of valves on request:

- stellited seat
- hardened disc
- stellited disc
- other

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TYPE

Figure	Body material	Nominal diameter	Nominal pressure	Type
297	G Forged steel P245GH	15-50 mm	H 160 bar	31 loose disc with spring; stem, disc and seat ring - stainless steel
		15-25 mm	G 100 bar	31 loose disc with spring; stem, disc and seat ring - stainless steel
		15-25 mm	F 63 bar	31 loose disc with spring; stem, disc and seat ring - stainless steel
	F Cast steel GP240GH	65-200 mm	H 160 bar	31 loose disc with spring; stem, disc and seat ring - stainless steel
		32-200 mm	G 100 bar	31 loose disc with spring; stem, disc and seat ring - stainless steel
		32-200 mm	F 63 bar	31 loose disc with spring; stem, disc and seat ring - stainless steel
	Q Alloy steel 13CrMo4-5	15-50 mm	H 160 bar	31 loose disc with spring; stem, disc and seat ring - stainless steel
		15-25 mm	G 100 bar	31 loose disc with spring; stem, disc and seat ring - stainless steel
		15-25 mm	F 63 bar	31 loose disc with spring; stem, disc and seat ring - stainless steel
	Q Alloy steel G17 CrMo 9-10	65-200 mm	H 160 bar	31 loose disc with spring; stem, disc and seat ring - stainless steel
		32-200 mm	G 100 bar	31 loose disc with spring; stem, disc and seat ring - stainless steel
		32-200 mm	F 63 bar	31 loose disc with spring; stem, disc and seat ring - stainless steel

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# FIG.297(ex. 464s, 564s)

## ORDERING

Figure	Body material	Nominal diameter	Nominal pressure	Type
297	G Forged steel P245GH	15-50 mm	H 160 bar	31 loose disc with spring; stem, disc and seat ring - stainless steel

Order example acc. index

297 G 050 H 31

Check valves, ends welded, form straight  
 Forged steel P245GH  
 Nominal diameter (mm)  
 Nominal pressure PN 160  
 Loose disc with spring; stem, disc and seat ring - stainless steel

297  
 G  
 050  
 H  
 31

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Edition 01/2020