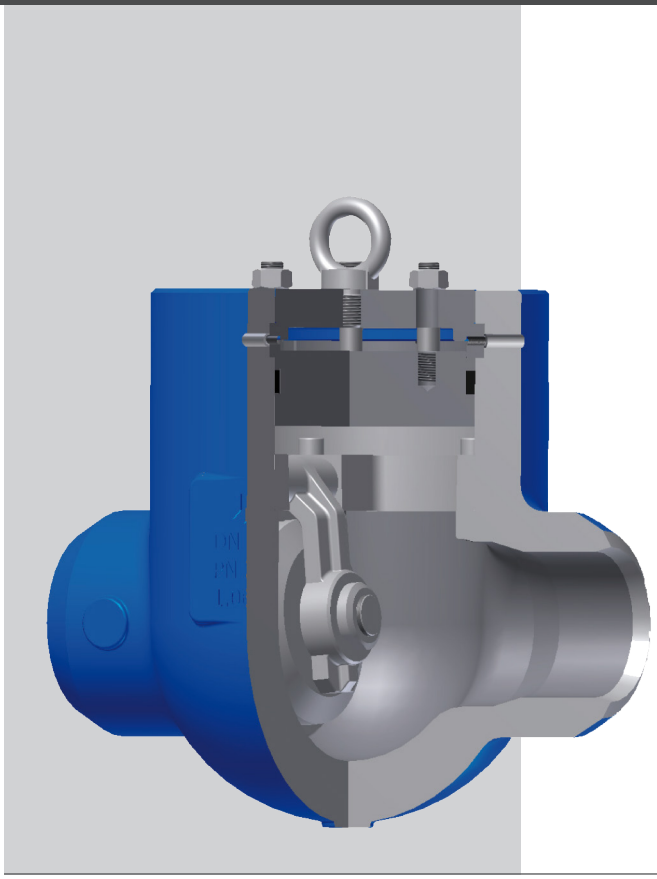
CHPS

DN 15 ÷ 200
PN 250 / Class 1500
SWING CHECK VALVES



- Forged or casted body and cover
- Pressure seal design
- Anti-blowout design
- Pin secures the disc
- The disc can rotate on its axis which prevents local wear
- Seating surfaces made from stainless steel or Stellite

APPLICATIONS

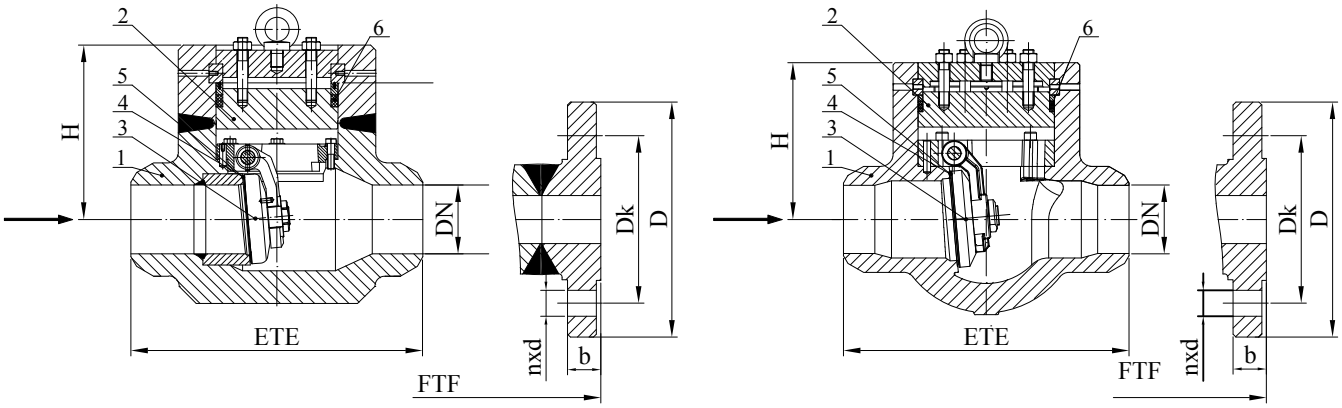
- Power plant
- Chemical
- Petrochemical
- Refining

ADVANTAGES

- Possibility of installation in any position
- Long service life
- Respect to emission standards
- Easy handling and maintenance

TECHNICAL DATA

Media:	Depending of the valve materials: water, steam, gas, oil and oil derivates and other non aggressive media
Pressure and temperature:	Pressure up to 250 bar or Class 1500 Temperature up to 600 °C
Materials:	Carbon and heat resistant alloy steels
Options:	Flanges and welding ends according to: ASME, DIN, EN, GOST, etc. Seats and sealing made of elastic materials Other paint finishes are available upon customer's request Valve complete with counter flanges, bolting and gaskets
Testing:	Every produced Check Valve was tested according to API 598 and EN 12266



LIST OF MATERIALS

Item	Part	Material Group acc. to EN 12516-1 and ASME B16.34				
		3E0 (1.1)	4E0 (1.5 a 1.3)	5E0 (1.17 a 1.9)	6E0 (1.10)	9E1 a 1C15 (1.15)
		Application				
		up to 450 °C (-29 °C ÷ 425 °C)	up to 550 °C (-29 °C ÷ 470 °C)	up to 550 °C (-29 °C ÷ 595 °C)	up to 600 °C (-29 °C ÷ 595 °C)	up to 600 °C (-29 °C ÷ 600 °C)
1	Body [1)]	1.0460/1.0619 (A105/WCB)	1.5415/1.5419 (F1/WC1)	1.7335/1.7357 (F12 Cl.2/WC6)	1.7383/1.7379 (F22 Cl.3/WC9)	1.4903/C12A (F91/C12A)
2	Cover [1)]	1.0460/1.0619 (A105/WCB)	1.5415/1.5419 (F1/WC1)	1.7335/1.7357 (F12 Cl.2/WC6)	1.7383/1.7379 (F22 Cl.3/WC9)	1.4903 (F91/C12A)
3	Disc [1)]	1.4021/1.4122				
4	Body welded on with	13 Cr (up to 450 °C) or Stellite				
5	Disc welded on with	13 Cr (up to 450 °C) or Stellite				
6	Cover gasket	graphite with corrosion inhibitor				

[1)] other materials available according to EN standard

STANDARDS

High Pressure Swing Check Valves	PN 250 / Class 1500
Face-to-face (FTF) and End-to-end (ETE) dimension acc. to	ASME B16.10 and Manufacturer standard
Flanged ends according to	EN 1092-1 or ASME B16.5
Welding ends according to	EN 12627 or ASME B16.25

[CHPS] DIMENSIONS CLASS 1500

DN		15	60	80	100	125	150	200
[mm]	ETE	216	254	305	406	483	559	711
	FTF	368	419	470	546	673	705	832
	D	215	245	265	310	375	395	485
	Dk	165,1	190,5	203,2	241,3	292,1	317,5	393,7
	nxd	8×25,4	8×28,6	8×31,7	8×34,9	8×41,3	12×38,1	12×44,5
	b	14,1	48,3	54,7	61,0	80,1	89,6	99,1
	H	220	260	272	325	375	426	500
kg	ETE	53	62	75	131	217	310	572
	FTF	67	82	102	167	287	394	715

[CHPS] DIMENSIONS PN 250

DN		15	20	25	32	40	50	65	80	100	125	150	200
[mm]	ETE	90	114	180	210	210	250	340	380	430	500	550	700
	FTF	230	[2]	260	[2]	310	350	425	470	550	650	750	950
	D	130	-	150	-	185	200	230	255	300	340	390	485
	Dk	90	-	105	-	135	150	180	200	235	275	320	400
	nxd	4×18	-	4×22	-	4×26	8×26	8×26	8×30	8×33	12×33	12×36	12×42
	b	26	-	28	-	34	38	42	46	54	60	68	82
	H	68	76	102	112	112	220	260	272	325	375	426	500
kg	ETE	3	4,5	7	8	8	65	75	90	160	265	380	690
	FTF	5	[2]	9	[2]	14	75	90	110	192	311	451	822

[2] Flange dimensions are not defined according to EN 1092-1

RANGE OF APPLICATION

materiál	PN	Pressure (bar) / temperature (°C) ratings according to EN 12516-1																						
		-10	20	50	100	150	200	250	300	350	375	400	425	450	470	475	480	500	510	525	550	575	600
1.0460 1.0619	250	250,0	250,0	250,0	234,1	222,1	210,1	192,1	174,1	162,0	156,0	150,0	129,8	92,0									
1.5415 1.5419	250	250,0	250,0	250,0	250,0	244,6	228,1	213,1	198,1	186,1	183,1	180,1	173,5	166,8	164,4	163,8	163,2	113,4	98,7	70,7	40,0		
1.7335 1.7357	250	250,0	250,0	250,0	250,0	250,0	250,0	250,0	250,0	232,9	224,5	213,4	204,1	197,2	187,2	184,7	180,7	156,0	139,5	114,7	73,4		
1.7383 1.7379	250	250,0	250,0	250,0	250,0	250,0	250,0	250,0	250,0	234,7	226,3	213,4	204,1	197,2	187,2	184,7	180,7	164,5	158,9	134,7	88,0	86,0	37,3
1.4903	250	250,0	250,0	250,0	250,0	250,0	250,0	250,0	250,0	234,7	226,3	213,4	204,1	197,2	187,2	184,7	180,7	164,5	158,9	150,4	145,6	139,7	125,0
A217 C12A	250	250,0	250,0	250,0	250,0	250,0	250,0	250,0	241,2	223,1	215,1	209,5	202,0	190,4	182,2	176,0	164,9	146,9	142,6	136,1	129,9	124,7	101,6

materiál	Class	Pressure (bar) / temperature (°C) ratings according to ANSI B16.34																		
		-29 ÷38	50	100	150	200	250	300	325	350	375	400	425	450	475	500	538	550	575	600
A105 WCB	1500	258,6	258,6	258,6	255,2	252,9	252,6	252,6	250,6	244,6	235,5	217,0	179,8	143,8	109,0	73,5	36,9			
WC1	1500	240,1	240,1	240,1	240,1	240,1	240,1	240,1	239,8	236,5	224,7	203,9	170,6	134,9	97,9	69,2	36,9			
F1	1500	240,1	240,1	240,1	240,1	240,1	240,1	240,1	240,1	240,1	240,1	240,1	240,1	235,8	213,7	150,4	70,9			
WC6	1500	258,6	258,6	258,6	258,6	258,6	258,6	258,6	258,6	257,1	252,5	251,2	248,2	235,8	213,7	160,8	93,1	79,4	55,0	38,2
F12 Cl.2	1500	258,6	257,5	253,1	248,6	248,6	248,0	245,2	242,9	239,2	235,5	235,3	235,3	215,1	174,1	133,6	85,7	75,3	55,0	37,8
F22 Cl.3 WC9	1500	258,6	258,6	258,1	254,8	251,1	249,9	248,9	248,0	246,0	243,8	243,8	243,8	325,8	213,7	178,6	115,2	97,7	65,8	43,0
F91 C12A	1500	258,6	258,6	258,6	258,6	258,6	258,6	258,6	258,6	257,1	252,5	252,2	248,2	235,8	213,7	178,6	145,1	145,1	143,0	121,9

The data in this datasheet are informative only and the manufacturer reserves the right to changes of technical details.

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