

WAFER TYPE CHECK VALVE

1 CHARACTERISTICS AND BENEFITS

- Wafer type centric valve for complete and quick closing of the return flow for liquid and gaseous media
- Short installation length
- Low weight
- Simple assembly - disassembly into the pipeline
- Maintenance free
- Low pressure loss
- Complete closing even at small pressure difference - 0.12 bar
- Food safety guaranteed
- Wide area of application
- $P_{max} = 6/10/16/25/40$ bar overpressure
- The integrated spring in ART. 531 enables faster closing

2 STANDARDS

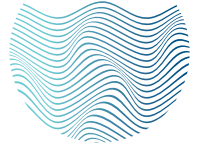
- Final strength and tightness test acc. to EN 12266-1, P10, P11, P12
- Check valves manufactured and tested acc. to EN 1074-3 (watersupply valves)
- Body material acc. to EN 1503
- Disc material acc. to EN10025 (St 52-3) / EN10028 (1.4301)
- Compliant with the EU Pressure Equipment Directive 2014/68/EU
- Sealing elements for drinking water acc. to EN 681
- Microbiological suitability acc. to EN 16421 (W270)

3 APPROVALS

- VIK for Croatin market
- EAC for Russian market

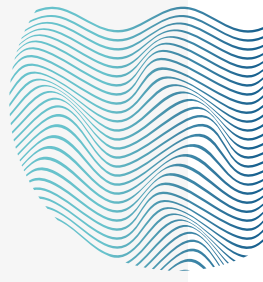
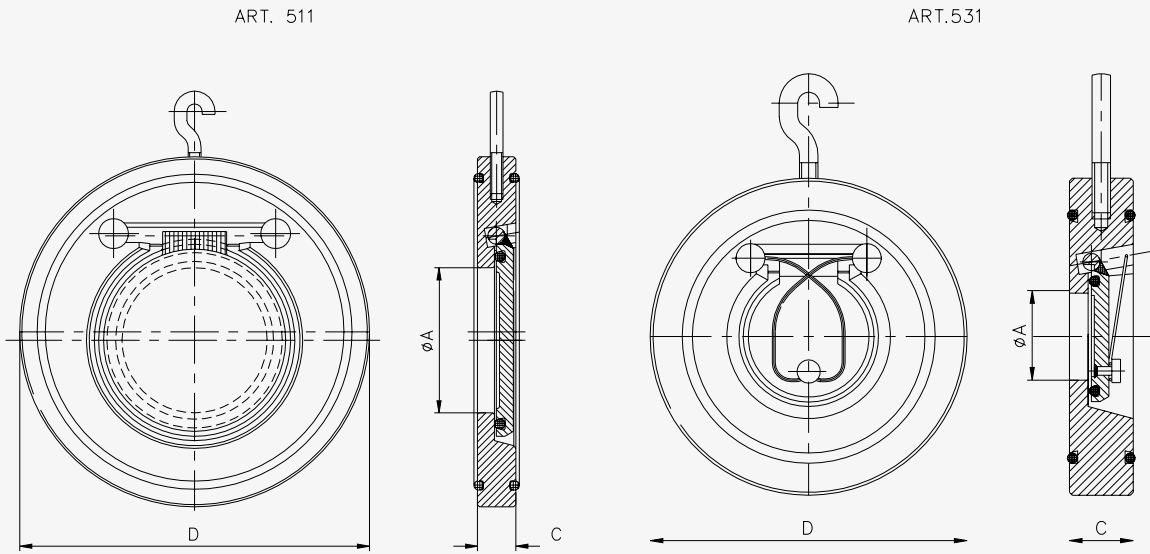
ART. 511
DN 40-600
PN 6/10/16/25/40

ART. 531
DN 40-400
PN 6/10/16/25/40



PN	10	16
Max. operating pressure [bar]	10	16
Max. operating temperature [°C]	Look at page 2	
Shell strength and tightness:	15	24
Seat tightness:	11	17,6

TECHNICAL DRAWINGS



DATA

DN		40	50	65	80	100	125	150	200	250	300	350	400	450	500	600
A		22	30	38	49	68	86	110	156	190	236	270	310	360	405	486
D	PN6	88	98	118	134	154	184	209	264	319	375	425	475	530	580	681
	PN10	94	109	129	144	164	194	220	275	330	380	440	491	541	596	698
	PN16	94	109	129	144	164	194	220	275	331	386	446	498	558	620	737
	PN25	94	109	129	144	170	196	226	286	343	403	460	517	567	627	734
	PN40	94	109	129	144	170	196	226	293	355	420	477	549	574	631	750
C ART 511		14	14	14	14	18	18	20	29	29	38	41	51	58	65	70
C ART 531		22	22	22	22	24	26	29	43	43	50	52	62	/	/	/
CHARACTERISTIC	Kv [m³/h]	23	49	75	125	183	340	500	1100	1610	2290	2890	3700	5310	6550	9500
	ζ [-]	7.74	4.16	5.07	4.19	4.77	3.37	3.24	2.11	2.41	2.47	2.87	2.99	2.32	2.33	2.29
Weight ART 511 [kg]		0,6	0,9	1,3	1,6	2,1	3,1	5	11,1	15	24,9	37,3	55,2	75,5	106	156
Weight ART 531 [kg]		1,1	1,4	1,9	2,3	3,1	4,6	6,7	14,6	20,1	30,8	44,1	63,3	/	/	/

The specified weight applies to check valves valves made of steel (1.0503) and pressure rating PN 10.

MATERIALS

	BASIC VERSION	SPECIAL VERSIONS ON DEMAND (differences from basic version)
Body/disc	1.0503	1.4301
Seal	EPDM (-30 - 120 °C)	NBR (-20 - 80 °C) FPM-viton (-10 - 160°C) Q – silicone (-60° - 180°C) PTFE (-40° - 200°C)
Screw material	A2F	
Plug	1.4301	
Spring	1.4571 (only ART. 531)	