

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

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 Croatia market
- EAC for Russian market

ART. 511

DN 40-600
PN 6/10/16/25/40

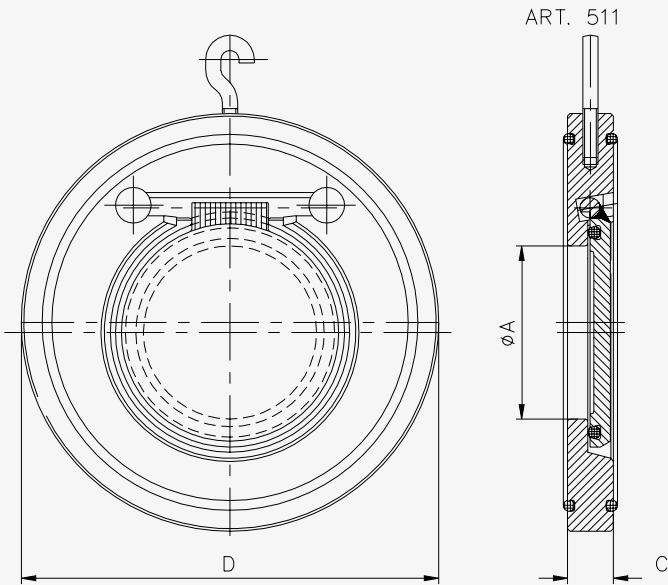
ART. 531

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
	PN6	88	98	118	134	154	184	209	264	319	375	425	475	530	580	681
D	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		14	14	14	14	18	18	20	29	29	38	41	51	58	65	70
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 [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

MATERIALS

	BASIC VERSION		SPECIAL VERSIONS ON DEMAND (differences from basic version)	
Body/disc	1.0503	1.4301	2.0975	
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			