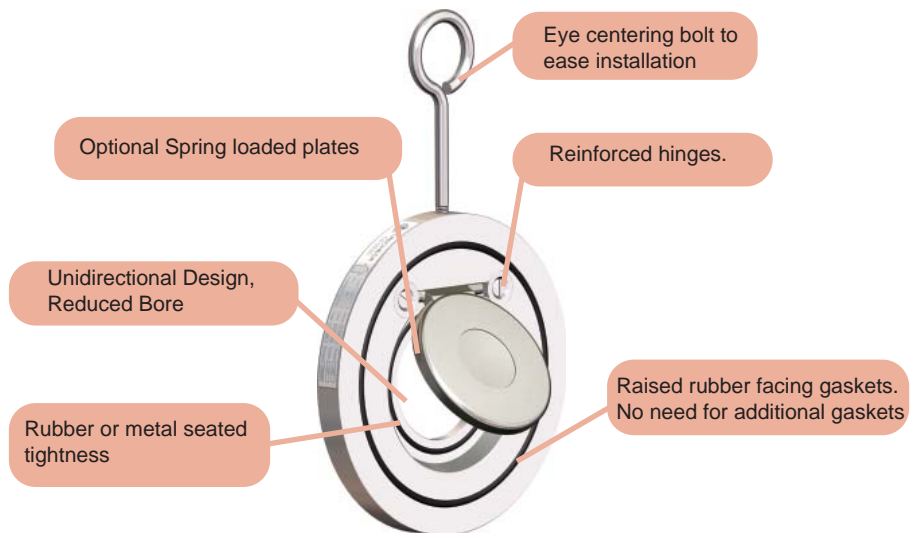
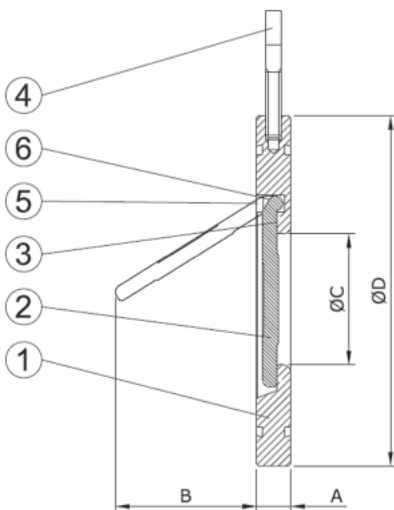


Check Valves are self acted by the media pressure and are devised to prevent the flow return to the pressurized side of the system. Wafer Swing Check Valves are featured as a light and economic option to be used on industrial and waste treatment plants. Its wafer design suitable to installation between flanges makes these valves quite a prime option especially on large diameters. Valves are made coming from bar stock so carbon steel means the lowest material of construction with plenty of body and plate material combinations. Higher range materials of construction can be used at a reasonable cost if compared to the conventional check valves.



Self Acting Non return valves \* Closure element by tilting plate\* Leakage Rate 0 (with rubber seat) \* Unidirectional Design (observe direction of arrow on valve commissioning) \* Minimal Opening Pressure: observe chart of values depending on size and installation position \* Standard Design pressure: PN 16\* Size range: DN 50-900\* Design Temperatures governed by the resilient seats / 400°C for metal seated valves \* To be installed between flanges EN 1092-1 PN 6, 10, 16, 25, ANSI 150 (PN10 standard), other flange standard on request.\*



**Main Parts and Materials**

Nº	Part	Material
1	Body	Carbon Steel / Stainless Steel 304 / Stainless steel 316 / AIBz
2	Plate	Carbon Steel / Stainless Steel 304 / Stainless steel 316 / AIBz
3	Seat	EPDM / NBR / NEOPRENE / VITON / PTFE / METAL
4	Eye Bolt	Steel
5	Hinges	Stainless Steel
6	Spring	Stainless Steel

*\*Any body and plate material combination is feasible, however, it is recommended to observe the material stress principle of diverse materials when subject to temperature.*

**Main Valve Dimensions (mm)**

DN		A	B	C	D	D	D	D	D
mm	inch				PN 6	PN 10	PN 16	PN 25	ANSI 150
32	1¼	14	26	17	82	82	82	82	76
40	1½	14	30	22	88	95	95	95	86
50	2	14	36	32	98	109	109	109	105
65	2½	14	48	40	118	129	129	129	124
80	3	14	60	54	134	144	144	144	137
100	4	18	78	70	154	164	164	170	175
125	5	18	98	92	184	195	195	198	195
150	6	20	117	112	209	220	220	228	220
200	8	22	160	154	264	275	275	288	279
250	10	26	200	200	319	330	330	343	340
300	12	32	235	240	375	380	387	403	410
350	14	38	258	270	425	440	448	460	448
400	16	44	300	310	475	490	495	517	514
450	18	50	331	360	530	540	557	567	548
500	20	56	268	405	580	595	617	624	605
600	24	62	435	485	681	698	737	731	715
700	28	68	530	580	785	810	805	833	830
800	32	80	620	670	890	917	911	942	937

**Options**

Valves with counter weight

**Main Duties**

Waste Water \* Sediment Media \* Oils and Process