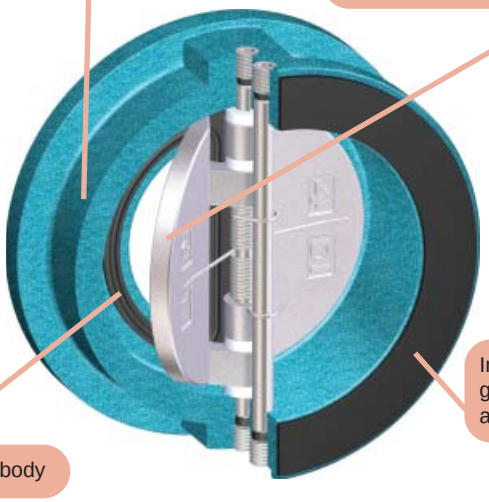
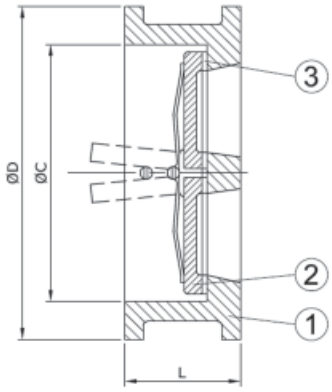
Check Valves are self acted by the media pressure and are devised to prevent the flow return to the pressurized side of the system. Wafer Swing Check Valves are featured as a light and economic option to be used on industrial and waste treatment plants. Its wafer design suitable to installation between flanges makes these valves quite a prime option especially on large diameters. Two tilting plates loaded by a spring are stopping the fluid and preventing it from returning to the pressurized side of the installation. They are featured by a low pressure drop if compared to other conventional wafer type check valves.

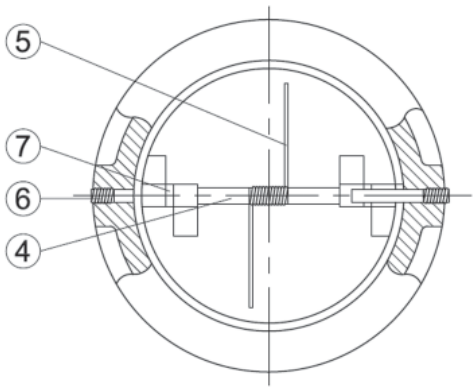


Self Acting Non return valves * Closure element by tilting plate, seat vulcanized to the body*Leakage Rate 0 * Unidirectional Design (observe direction of arrow on valve commissioning) * Minimal Opening Pressure: observe chart of values depending on size and installation position * Standard Design pressure: PN 16 (PN 10 from DN 350 onwards)* Size range: DN 50-600* Design Temperatures: EPDM 120ºC – NBR: 80ºC * face to face length as per EN 558 S16 (S50 for DN 600) * Standard installation between flanges EN 1092 PN 10-16 other flange standard on request.*



Main Parts and Materials

Nº	Part	Material
1	Body	Cast Iron EN-JL1040 (GG25) / St. Steel 316
2	Disc	Nodular Iron Niquel Plated EN- JS1030 (GGG40) / St. Steel 316
3	Resilient Seat	EPDM / NBR
4	Hinge Pin	St. Steel
5	Spring	St. Steel
6	Retainer Screw	Steel
7	Disc Bearing	Teflon



Main Valve Dimensions (mm)

DN		L	ØD	ØC
mm	inch			
50	2”	43	109	65
65	2½”	46	129	80
80	3”	64	144	94
100	4”	64	164	110
125	5”	70	194	145
150	6”	76	220	170
200	8”	89	275	224
250	10”	114	330	265
300	12”	114	380	310
350	14”	127	440	362
400	16”	140	491	412
450	18”	152	541	450
500	20”	152	596	505
600	24”	222	698	624

Options

Other materials of construction* Higher design pressures * Larger sizes * API standards* API

Main Duties

Hot and cold water * Lubricating Media