

**Fig. 69**  
**Wafer type check valve**



Econ® zinc free bronze wafer type swing type check valves with aluminium bronze disc, disc and flange sealing by NBR O-ring, pressure rating PN 10/40, suitable for fitting between flanges rated DIN PN 10/16, very short Face To Face, low weight and low pressure loss. Suitable for horizontal and vertical (rising flow) installation.

#### Purpose

These check valves offer excellent resistance to the corrosive action of seawater, fresh water and waste water.

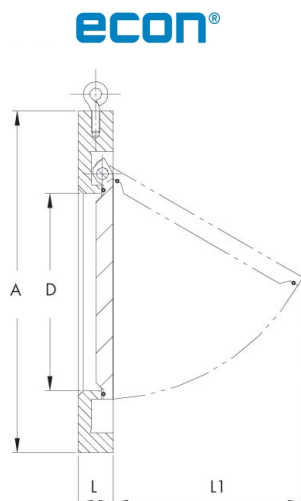
#### Features

- Body material: Bronze
- Valve shape: Swing type valve
- Sealing: Rubber/plastic

#### Pressure and temperature range

Size	Pressure rating	Maximum pressure/temperature	Maximum temperature
DN 40 - 200	PN 16	16 bar - 100°C	100°C (ivm NBR o-ring)
DN 250 - 500	PN 10	10 bar - 100°C	100°C (ivm NBR o-ring)

#### Dimensions



DN	D	A	L	L1	Weight	Opening pressure			
						Hor. flow	Hor. flow with spring	vert. rising flow	vert. rising flow with spring
[mm]					[kg]	[mbar]		[mbar]	[mb]
40	22	94	16	29	0,7	~ 0	15	8	23
50	30	109	16	42	0,9	~ 0	15	8	23
65	37	129	16	55	1	~ 0	15	8	23
80	48	144	16	60	1,5	~ 0	15	8	23
100	70	164	16	80	2	~ 0	10	8	18
125	95	194	18	100	3,5	~ 0	10	8	18
150	121	220	19	120	5,5	~ 0	10	8	22
200	155	275	29	155	12,5	~ 0	10	12	22
250	196	330	29	200	17	~ 0	10	12	22
300	230	380	38	232	30	~ 0	10	12	25
350	250	440	41	271	37	~ 0	10	15	26
400	303	491	51	310	57	~ 0	10	16	26
450	358	541	51	360	68	~ 0	10	16	32
500	398	596	61	400	105	~ 0	10	22	34

#### Material specifications

Component	Material	EN and/or (DIN)	W.nr.
Body	Zinc-free bronze	CuSn10-Cu (G-CuSn10)	2.1050.01
Disc	Aluminium bronze	CuAl10Fe5Ni5-C (G-CuAl10Ni)	2.0975.01
Disc ring	NBR		
Flange seal	NBR		

#### Order information

Stk	ArticleNo	Ordering code	Nom. inner diameter	Mounting between flanges	Pressure rating
S	EC000690040XP39	114561	DN 40	PN 10 to 16	PN 16
S	EC000690050XP39	114562	DN 50	PN 10 to 16	PN 16
S	EC000690065XP39	114563	DN 65	PN 10 to 16	PN 16
S	EC000690080XP39	114564	DN 80	PN 10 to 16	PN 16
S	EC000690100XP39	114565	DN 100	PN 10 to 16	PN 16

## Fig. 69 Wafer type check valve

### Order information

Stk	ArticleNo	Ordering code	Nom. inner diameter	Mounting between flanges	Pressure rating
S	EC000690125XP39	114566	DN 125	PN 10 to 16	PN 16
S	EC000690150XP39	114567	DN 150	PN 10 to 16	PN 16
S	EC000690200XP39	114568	DN 200	PN 10 to 16	PN 16
S	EC000690250XP39	114570	DN 250	PN 10	PN 10
S	EC000690300XP39	114572	DN 300	PN 10	PN 10