

# WAFER TYPE SWING CHECK VALVE

TECHNICAL PASSPORT

**SINGLE PLATE CHECK VALVE  
STAINLESS STEEL BODY  
BETWEEN FLANGES**

**CB 6441-EPA**

## APPLICATION

The swing check valve TECOFI is suitable for non-loaded fluid transfer applications under regular non-pulsating conditions.



**Area of use:** water supply,

## GENERAL CHARACTERISTICS

**Range:** from DN40 to DN300.

- Design according to ASME B16.34.
- Tightness guaranteed by O-ring attached to the body.
- Mounting between flanges.
- Robust, lightweight and economical construction
- Small face to face dimension
- Easy mounting, requiring no maintenance.
- Low pressure losses.
- Horizontal pipe mounting with lifting ring facing upwards and vertical piping
- Maximum service velocity : 5 m/s



## AGREMENTS ET NORMES

<b>Design</b>	Design according to standard EN 16767. Meets the requirements of European Directive 2014/68/UE: «Equipment under pressure» product excluded (article 1§2.b)
<b>Face to face</b>	Face to face according to standard E 29-377 tab 2 serie FR.
<b>Connection</b>	Mounting between ISO PN16 (DN40-150) and PN10 (DN200-300) flanges
<b>Tests</b>	Pressure test according to standards EN12266-1, DIN 3230 and ISO 5208: - Body : WP x 1.5 bar - Seat : WP x 1.1 bar

## HOMOLOGATIONS PRODUITS



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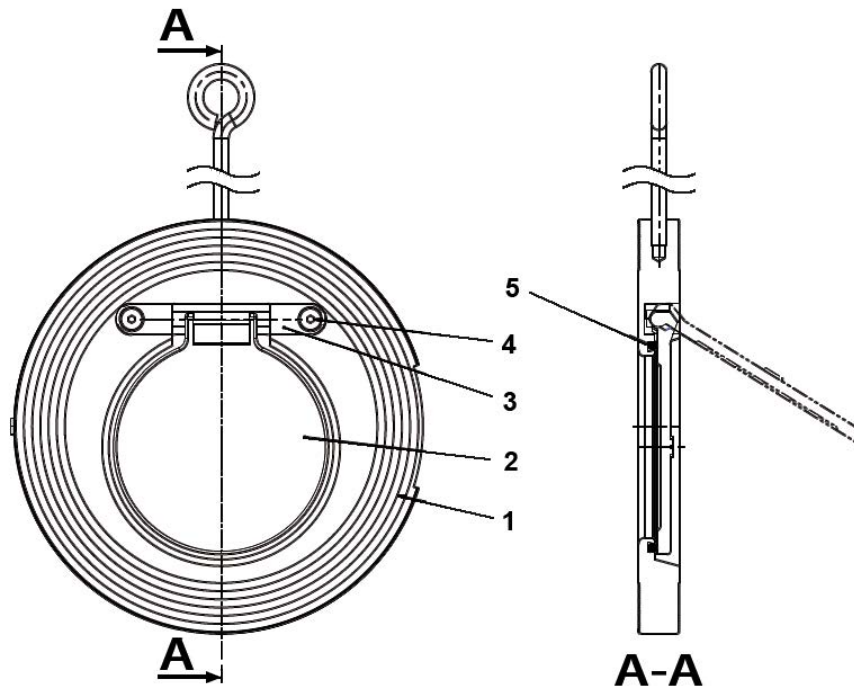


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**CONSTRUCTION**



Pos.	Q-ty	Description	Material	Equivalences		
				DIN	ASTM	BS
1	1	Body	Stainless steel 316 GX5CrNiMo 19-11-2	X5CrNiMo18 10	A 182 AISI 316	970 316 S16
2	1	Plate	Stainless steel 316 GX5CrNiMo 19-11-2	X5CrNiMo18 10	A 182 AISI 316	970 316 S16
3	2	Plate holding	Stainless steel 304 X5CrNi18-10	X5CrNi18 10	A 182 AISI 304	1449-2 304 S15
4		Screw	Stainless steel 304 X5CrNi18-10	X5CrNi18 10	A 182 AISI 304	1449-2 304 S15
5	1	Seal	EPDM			

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## WAFER TYPE SWING CHECK VALVE

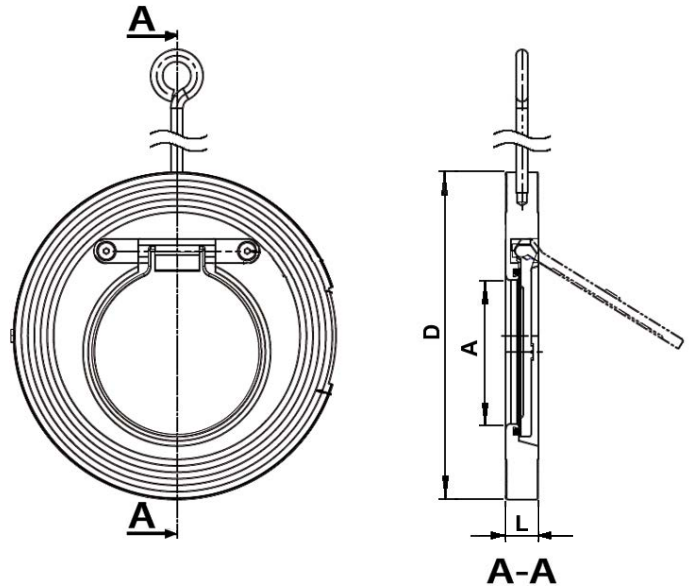
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### DIMENSIONS

DN		L	Ø A	Ø D	Kv (m³/h)	ζ	Weight (kg)
mm	inch						
40	1"1/2	16	22	94	21.9	8.55	0.78
50	2"	16	32	106	42.0		0.93
65	2"1/2	16	42	129	72.6	5.4	1.39
80	3"	16	53	144	110.0	5.4	1.67
100	4"	16	71	162	221.3	3.3	2.03
125	5"	16	94	194	382.9	2.7	2.90
150	6"	19	114	220	535.5	2.8	4.39
200	8"	28	164	275	1122.0	2	9.04
250	10"	32	199	331	1899.0	1.7	15.45
300	12"	38	240	380	2637.4	3.4	23.95

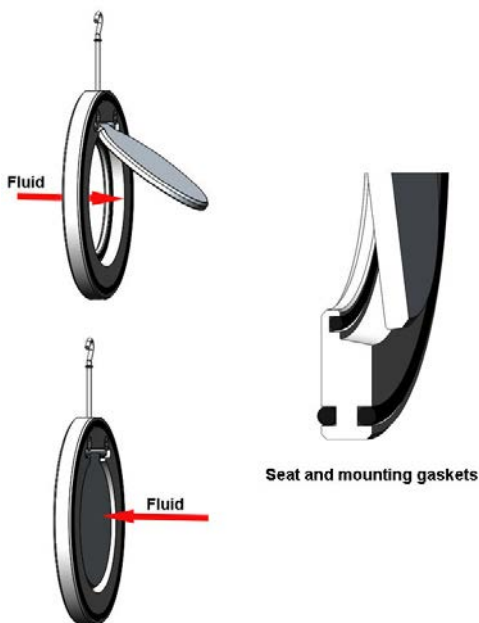
ζ - head loss coefficient



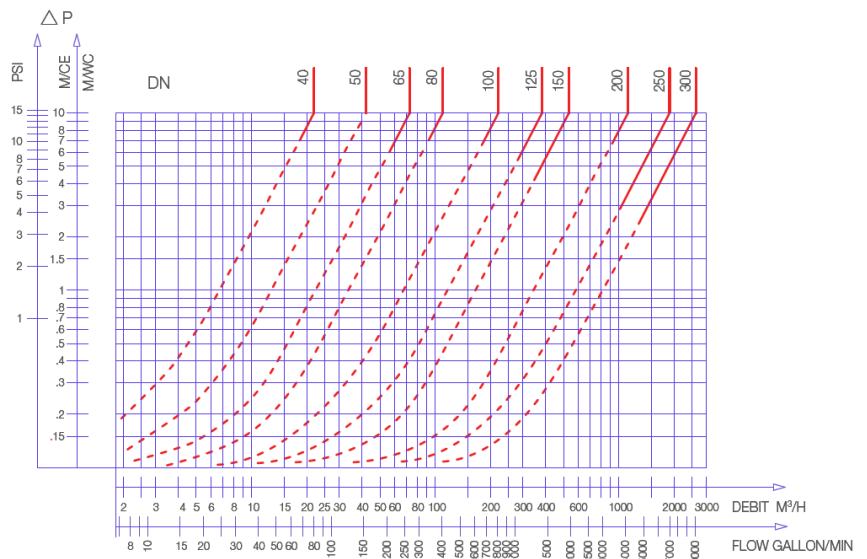
### WORKING CONDITIONS

Maximum working pressure : 16 bar (DN40-150)  
10 bar (DN200-300)

Maximum working temperature : -10°C / +110°C



### Head loss chart



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ISO 9001  
ISO 14001  
BUREAU VERITAS  
Certification

