

# Back Flow Preventor - Flanged PN16

ECO 3 F

Flanged PN16, Epoxy Coated Cast Iron Body, Controllable Reduced Pressure Zone



## Pressure / Temperature Specifications

Pressure	PN10
Temperature	0°C to 65°C

## Material Specifications

1.	Body	EN GJL 250 Cast Iron
2.	Bonnet	EN GJL 250 Cast Iron
3.	Bottom Cap	EN GJL 250 Cast Iron
4.	Cover	AISI 304 Stainless Steel
5.	Valve M/F 1/2"	Brass
6.	Drain Conveyor	Polypropylene

### R1 Upstream Check Valve

R1.1	Seat	PPO Noryl 2 1/2" to 4"	CuSn5zn5Pb5 Brass 6"
R1.2	Flange	OT CW 602N ADZ 2 1/2" to 4"	CuSn5zn5Pb5 Brass 6"
R1.3	Shutter	PPO Noryl 2 1/2" to 4"	CuSn5zn5Pb5 Brass 6"
R1.4	Spring	AISI 302 Stainless Steel	
R1.5	Stem	OT CW 602N ADZ	
R1.6	Seal	Silicone Rubber	

### R2 Downstream Check Valve

R2.1	Gasket	POM Delrin 2 1/2" to 4"	CuSn5zn5Pb5 Brass 6"
R2.2	Plate	OT CW 602N ADZ 2 1/2" to 4"	CuSn5zn5Pb5 Brass 6"
R2.3	Shutter	OT CW 602N ADZ 2 1/2" to 4"	CuSn5zn5Pb5 Brass 6"
R2.4	Spring	AISI 302 Stainless Steel	
R2.5	Stem	OT CW 602N ADZ	
R2.6	Seal	Silicone Rubber	
R2.7	Retaining Ring	AISI 304 Stainless Steel	
S.1	Equalizer	OT CW 602N ADZ	
S.2	Equalizer Bush	PTFE + Carbon	
S.3	Lip Seal	NBR	
S.4	Membrane	EPDM & Nylon	
S.5	Membrane Bearing Plate	AISI 304 Stainless Steel	
S.6	Stem	OT CW 602N ADZ	
S.7	Relief Valve Shutter	PPO Noryl	
S.8	Relief Valve Spring	AISI 302 Stainless Steel	
S.9	Relief Valve Seat	OT CW 602N ADZ 2 1/2"	AISI 304 Stainless Steel 3" to 6"
S.10	Relief Valve Ring Nut	CUzn40Pb2	
S.11	Relief Valve Seal	Silicone Rubber	
	O-ring	NBR	
	Nuts & Bolts	AISI 304 Stainless Steel	

## Dimensions

Size	A	H	H1	N	W	S1/2/3	C	F	n x D	Kv	Kg
2 1/2"	360	200	290	137	189	75/90/120	185	160	4 x 18	64.0	30.0
3"	400	214	341	157	230	75/90/120	200	185	8 x 18	85.0	40.0
4"	450	234	347	163	230	75/90/120	220	200	8 x 18	129.0	46.0
6"	540	259	370	186	276	75/90/120	250	210	8 x 22	235.0	73.0

## Minimum Flow Rate - in Function of Headloss

Size	@1 Bar	@1.5 Bar
2 1/2"	35.8	47.8
3"	54.3	72.4
4"	84.8	113.1
6"	190.9	254.5

Labelled Drawing and Head Loss Chart on Next Page

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Head Loss Chart (Fluid: Water - 1m H<sub>2</sub>O = 0.098 Bar)

