







## VACUUM BREAKER VB16C

## **DESCRIPTION**

The VB16C vacuum breakers are simple and reliable devices that automatically relieve or "break" an unwanted vacuum condition, restoring the atmospheric pressure.

This device is particularly suitable for steam heated units of small and medium volume, such as heat exchangers, heating coils, calorifiers, jacketed kettles, steam boilers, etc.

## MAIN FEATURES

Internal wetted parts: ≤ 0,51 micron Ra – SF1.

External: ≤ 0,76 micron Ra – SF3.

Other surface conditions see IS PV20.00 E – Technical information.

Ultrasonic cleaning.

USE: Saturated steam and other gases compatible

with the construction.

**AVAILABLE** 

MODELS: VB16C.

SIZES: 1" – DN 25.

REGULATING

RANGES: 0.05 - 0.10 bar; 0.09 - 0.20 bar; 0.19 - 0.30 bar

bar; 0,29 - 0,40 bar; 0,39 - 0,50 bar.

CONNECTIONS: ASME BPE, DIN and ISO clamp ferrules.

Others on request.

PACKAGING: Assembling and packaging in a clean room

certified according to ISO 14644-1.

The product is end capped and sealed with recyclable thermo-shrinkable plastic film, to

avoid contamination.

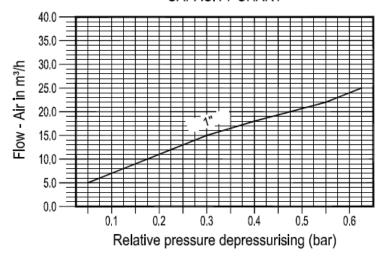
INSTALLATION: Vertical installation. See IMI - Installation and

maintenance instructions.





## CAPACITY CHART



LIMITING CONDITIONS				
Body design conditions	PN 16			
Maximum operating pressure	13 bar @ 38°C			
Maximum operating steam pressure	6 bar			
Max. operating temp. (steam and water)	170 °C			
Maximum operating temperature (air)	150 °C			
Minimum operating temperature	- 10 °C			

CE MARKING – GROUP 2 (PED – European Directive)		
PN 16	Category	
1" – DN 25	SEP	







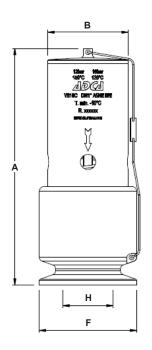
DIMENSIONS (mm) ASME BPE					
SIZE	Α	В	F	Н	WEIGHT (kg)
1"	120	42	50,5	22,1	0,85

DIMENSIONS (mm) DIN					
SIZE	Α	В	F	Н	WEIGHT (kg)
DN 25	120	42	50,5	26	0,85

Remark: Clamp ferrules according to DIN 32676-A.

DIMENSIONS (mm) ISO					
SIZE	Α	В	F	Н	WEIGHT (kg)
DN 25	120	42	50,5	29,7	0,85

Remark: Clamp ferrules according to DIN 32676-B.



MATERIALS				
POS.	DESIGNATION	MATERIAL		
1	Body	AISI 316L / 1.4404		
2	* Valve plug	AISI 316L / 1.4404		
3	* O-ring	High performance EPDM		
4	* Plug disc	AISI 316L / 1.4404		
5	* O-ring	High performance EPDM		
6	Seat	AISI 316L / 1.4404		
7	* Retaining washer	Stainless steel A2-70		
8	* Stem	AISI 316L / 1.4404		
9	* Spring	AISI 302 / 1.4300		
10	Spring guide	AISI 316L / 1.4404		
11	Nut	Stainless steel A2-70		
12	Spring cover	AISI 316L / 1.4404		
13	Top cover	AISI 316L / 1.4404		

\* Available spare parts. Remarks: FDA / USP Class VI seals certificate on request.

