

Technical data sheet

Type 216

Vacuum breaker

Type HA

Applications and special features





- These devices are double protection valves, containing the following in the flow direction :
 - . one non return valve
 - . one vacuum breaker (tightness ensured by a membrane).
- This vacuum breaker ensures that the downstream emptied when the flow is stopped and prevents the backflow of used water through a possible leak in the non return valve, in the event of depression in the mains.
- It allows a closing system downstream.
- Operating position : vertical descending
 - Minimum head loss.
 - Silent, robust.
 - Does not generate hammering.
 - Closing system : axial guiding with release spring.
 - Sealing guaranteed by a flat seal.

Technical description

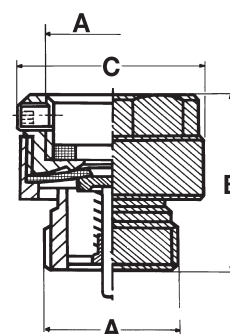
DN in "		References	Vvs-nr
F	M		
3/4	3/4	149B 2160	
3/4	3/4	149B 2161*	
1 1/4	1 1/4	149B 2310	

*chrome plated casing

- **Connection** : female/male, (BSP)
- **Permissible operating pressure PFA - water** : 10 bar
- **T°** : Mini. -10 °C
Maxi. 65 °C
- **Mediums** : clear liquids
- **Approvals** :  - ACS 
- **International construction Standards** :
NF EN 14454-EN1717
Raccordements filetages NF EN ISO 228-1 ou ISO 7.1

Overall dimensions

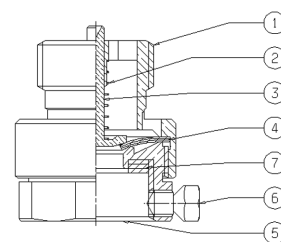
A		B	C	Weight
"	mm	mm	mm	kg
Inlet F	Outlet M			
3/4	3/4	41	37	0,145
1 1/4	1 1/4	61	68	0,635



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Spare parts list and materials

Nb	Description	Materials	EURO	ANSI
1	UPPER CASING	Brass	CuZn39Pb3	ASTM B 124
2	SPRING	Stainless steel	X10CrNi18-8	AISI 302
3	CLOSING SYSTEM	Brass	CuZn39Pb3	ASTM B 124
4	MEMBRANE	EPDM		
5	LOWER CASING	Brass	CuZn39Pb3	ASTM B 124
6	SCREW	Ref 2160 : Stainless steel Ref 2161 : Galvanized steel		
7	SEAL	EPDM		



Installation and maintenance

Spare part : 4

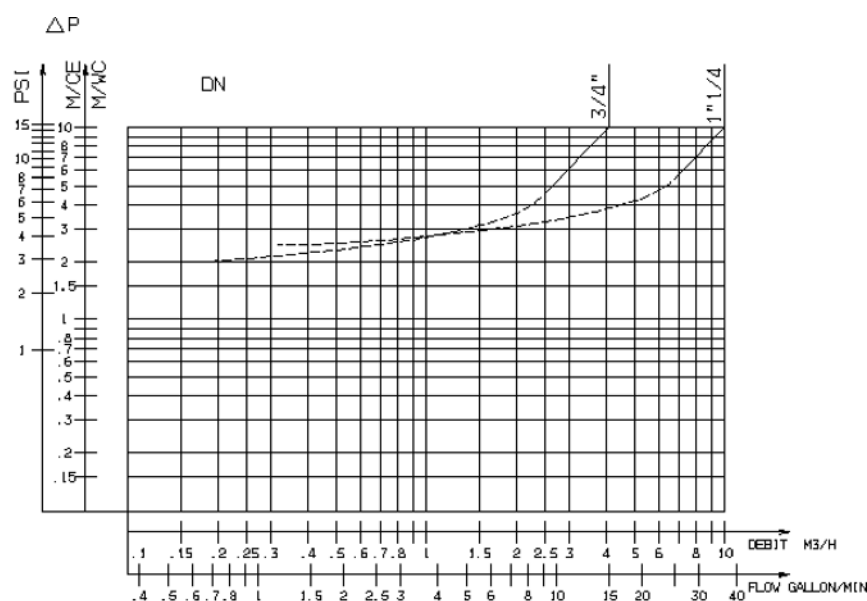
Operating position : vertical descending

Working principle

DN		Opening pressure in mm/CE	Kv	ζ
"	mm	↓	m ³ /H	
3/4	20	150	4,1	15
1 1/4	32	150	10,0	17

Direction for use :

- Solid line : Valve completely open
- Dotted line : opening stage of valve



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