

Technical data sheet

Type CA2096

Backflow preventer

Type CAa

Applications and special features



- For the protection of installations to lower risk or with temporary risk but nevertheless needing a backflow preventer device : domestic heating units < 70 kw, vending machines, certain laboratory equipment ...
- The CAa2096 backflow preventer is a device with 2 check valves separated with a zone connected to the atmosphere. The closing of this chamber is due to a closing system linked to the upstream valve.
- In case of upstream pressure drop or downstream overpressure with leaking second check valve, the middle section is open to the atmosphere, this separates the upstream and downstream circuits and prohibits any polluted water backflow in the device.

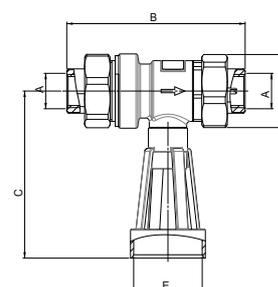
Technical description

DN	Ref	Acoustic group
mm		
15	149B3781	I
20	149B3782	II

- **Connection** : Female/Female BSP
- **Permissible operating pressure PFA - water-** : 10 bar
- **T° maxi** : 65°C
- **Medium** : Clear water
- **Approvals** : - ACS
- **International construction Standards** :
EN 1717 - NF EN 14367
Thread connection according to EN ISO 228-1 or ISO 7.1

Overall dimensions

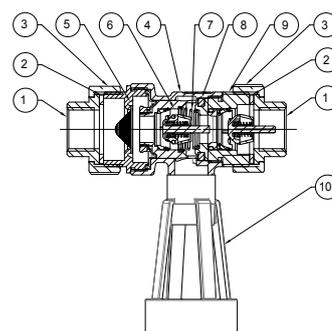
DN	A	B	C	D	E	Weight
mm	"	mm	mm	mm	mm	kg
15	1/2	105	99	44	40	0,600
20	3/4					



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Spare parts list and materials

N°	Description	Materials	EURO	ANSI
1	NIPPLE	Brass		
2	SEAL	EPDM		
3	NUT	Brass		
4	CASING			
5	FILTER CONNECTION	Brass + Stainless steel		
6	UPSTREAM VALVE	Brass-Hostaform-Stainless steel-EPDM		
7	RELIEF VALVE SPRING	Stainless steel		
8	RELIEF VALVE SEAL	EPDM		
9	DOWNSTREAM VALVE	Brass-Hostaform-Stainless steel-EPDM		
10	FUNNEL	ABS		

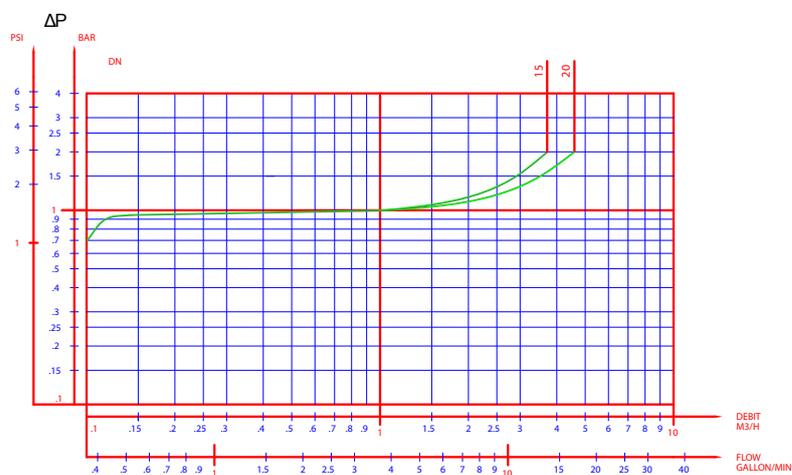


Installation and maintenance

A clear area of 150 mm around the valve should be maintained to allow ease maintenance and installation. The valve should not be installed where there is any possibility of the air gap becoming submerged or flooded.

- Directions for installation :
 - Total accessibility
 - Horizontal position
 - non-submersible installation
 - purge carefully all air from the installation (non polluted atmosphere)
 - the discharge valve must be able to get the discharge flow rate.
 - protection against frost or extreme temperatures .

Working principle



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