

BABM

BA backflow preventers with verifiable reduced pressure zone with funnel incorporated

Technical Data Sheet



Description

The disconnecteur BABM preventers protect the drinking water network by interrupting the continuity of the supply, emptying and evacuating to waste in case of danger of water being turned back into the main pipeline.

- Easy maintenance thanks to modular sub-sets.
- Compact design and space-saving.
- Piston technology on the relief valve, without membrane : easy mounting/dismantling, reinforced longevity.
- Reduced head losses.
- Easy access.
- High quality materials.
- Connection : Male threaded union nuts (BSP) ISO 228-1



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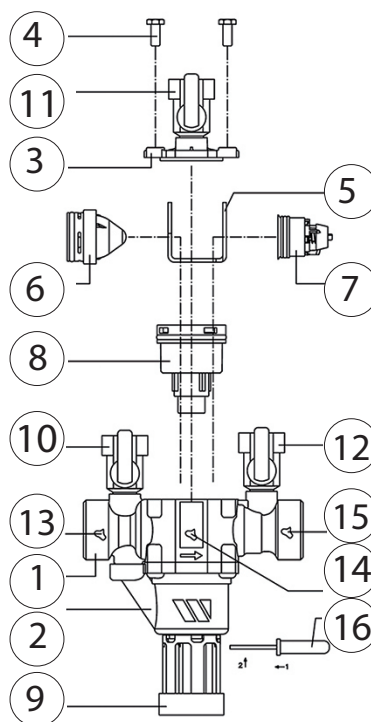
DN	PFA in bar	Cat.	Ref.	Weight Kg
"	mm			
1/2	15	I	149B70000	1,2
3/4	20	I	149B70001	1,2
1	25	I	149B70002	2,7
1 1/4	32	I	149B70003	2,7
1 1/2	40	-	149B70004	6,5
2	50	-	149B70005	6,5

Technical features

Operating temperature	Maxi. 65 °C
Permissible operating pressure (PFA) -water-	10 bar
Connection	Male threaded union nuts (BSP)
Mediums	Clear liquids

Nomenclature and materials

N°	Description	Materials
1	Body	Brass 4MS
2	Relief valve body	PA
3	Cover	Brass 4MS
4	Screws	Zinc coated steel
5	Bearing	Stainless steel
6	Upstream valve	POM
7	Downstream valve	POM
8	Relief valve module	Stainless steel-POM-brass
9	Funnel	PVC
10	Test cock 1	Brass 4MS
11	Test cock 2	Brass 4MS
12	Test cock 3	Brass 4MS
13	Inlet zone	
14	Intermediate zone	
15	Outlet zone	



Approvals



Standards / regulation :

EN 1717 - EN12729 P-IX870/1

Thread connection according to EN ISO 228-1 / ISO 7.1

Application

The disconnecteur BABM preventers protect the drinking water network by interrupting the continuity of the supply, emptying and evacuating to waste in case of danger of water being turned back into the main pipeline.

Installation

Directions for installation :

- Total accessibility
- non-submersible installation
- purge carefully all air from the installation (non polluted atmosphere),
- the discharge valve must be able to cope with the discharge flow rate.
- protection against frost or extreme temperatures

Installation specification :

- the correct installation requires :
- upstream : stop valve + filter (with drain cock)
- downstream : stop valve

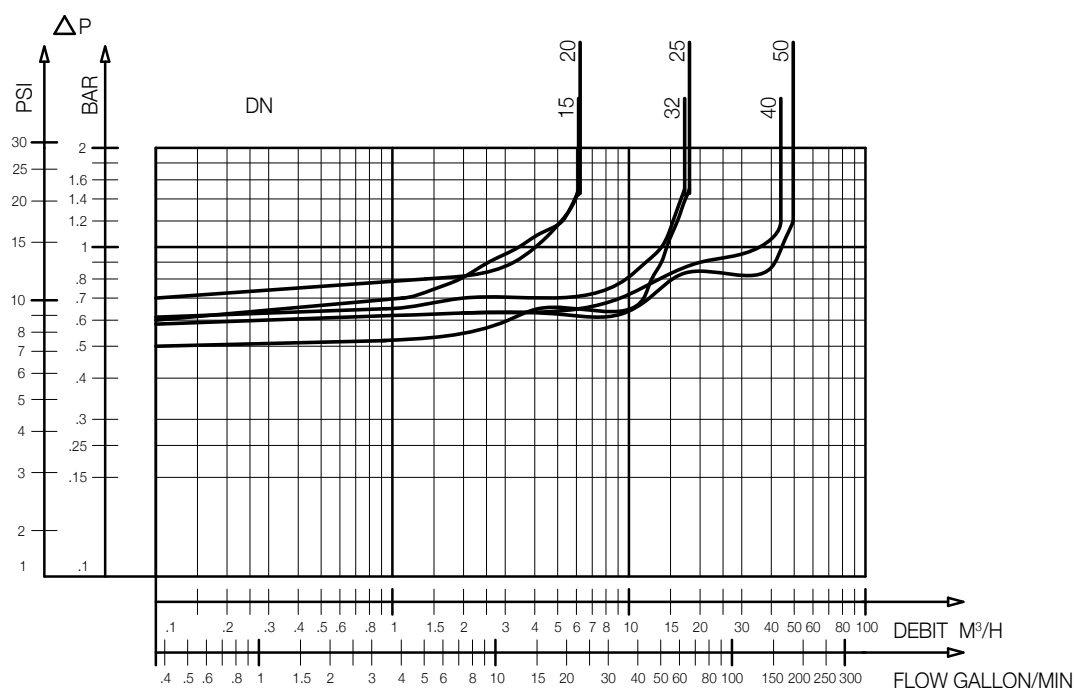
(See technical manual supplied with the RPZ)

Protection at the connection point to the public potable water system

Maintenance

- In accordance with antipollution standards and hygiene regulations, the user undergoes the following requirements :
 - . declaration of intention of installation, 2 months before doing the work.
 - . declaration of putting into service.
 - . annual performance check (maintenance), including the accessories which are part of the protection device ; the results are communicated to the health/water authorities.
- In the case of an upstream diversion in the area right in front of the RPZ, it is necessary to install a check valve between the diversion and the RPZ.
- Always manipulate the upstream valve slowly

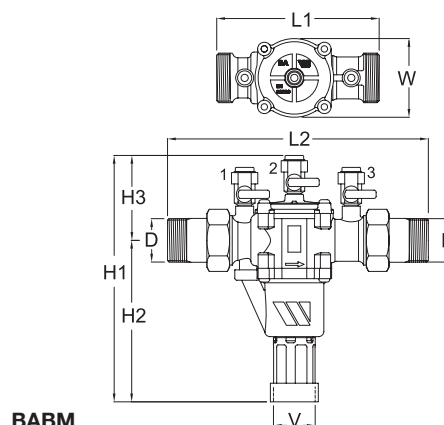
Operation



BABM - Headloss chart

Sizing

DN	D	V	L1	L2	H1	H2	H3	W
"	mm	mm	mm	mm	mm	mm	mm	mm
1/2	15	32	122	201	168,5	103	65,5	53
3/4	20	32	122	201	168,5	103	65,5	53
1	25	40	157	252	238	156	82	76
1 1/4	32	40	157	252	238	156	82	76
1 1/2	40	50	220	336	303,5	202,5	101	115
2	50	50	220	336	303,5	202,5	101	115



BABM

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