

Weyn-Lauwers N.V.

Industriepark-Noord 12
B - 9100 SINT-NIKLAAS

Tel. : 00 32 (0)3 776.34.13
Fax : 00 32 (0)3 778.09.52
weynlauwers@weynlauwers.be
www.weynlauwers.be

BA
BACKFLOW PREVENTERS
terugstroombeveiliging

BA BACKFLOW PREVENTERS

BACKFLOW PREVENTERS WITH CONTROLLABLE REDUCED PRESSURE ZONES

Optimal performance

- **Total accessibility**

of working parts on-site (by removing the valve head/discharge valve section, the check valves can be reached instantly).

- **Longer reliability**

non-incrustation discharge valve and check valves

- **Compact**

- **Valve sections removable**

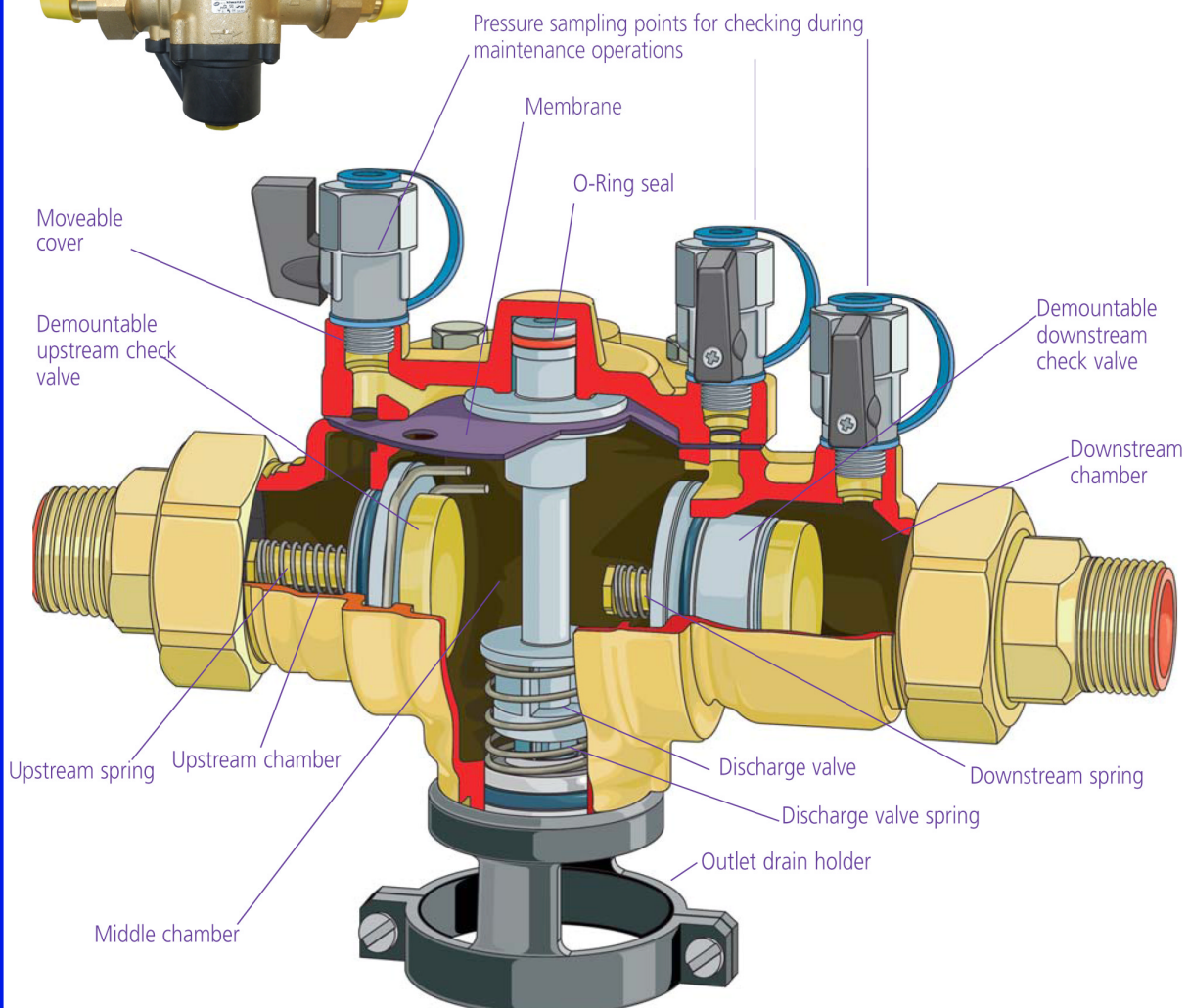
without special tools

- **Easy maintenance**

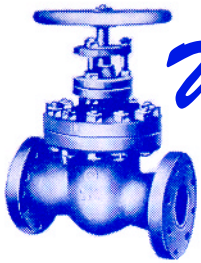
sub-sections easily exchanged

- **High performance materials**

casing in bronze, NBR (nitrile) membrane, silicone seals



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BABM BACKFLOW PREVENTERS terugstroombeveiliging

Type BA BM

Backflow preventer
Type BA








Applications and special features



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

Technical description

DN		Ref	Acoustic group
"	mm		
1/2	15	149B70000	I
3/4	20	149B70001	I
1	25	149B70002	I
1 1/4	32	149B70003	I
1 1/2	40	149B70004	-
2	50	149B70005	-

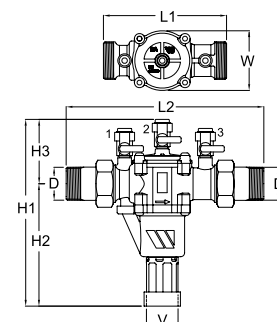
- Connection : Male threaded union nuts (BSP)
- Permissible operating pressure PFA - water- 10 bar
- θ Maxi 65° C
- Mediums : Clear water
- Approvals :      
SIET - SITAC - SVGW - SINTEF - UNI
- Other approvals available :  : Consult us.

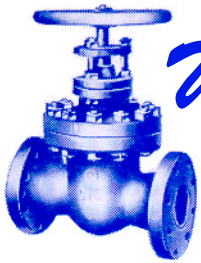
International construction Standards :

EN 1717 - EN12729
Thread connection according to EN ISO 228-1

Overall dimensions

DN	D	V	L1	L2	H1	H2	H3	W	Weight
"	mm	mm	mm	mm	mm	mm	mm	mm	kg
1/2*	15	32	122	201	168.5	103	65.5	53	1.2
3/4	20	32	122	201	168.5	103	65.5	53	1.2
1	25	40	157	252	238	156	82	76	2.7
1 1/4	32	40	157	252	238	156	82	76	2.7
1 1/2	40	50	220	336	303.5	202.5	101	115	6.5
2	50	50	220	336	303.5	202.5	101	115	6.5





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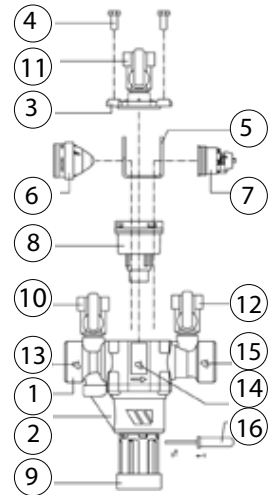
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BABM
BACKFLOW PREVENTERS
terugstroombeveiliging

Technical data sheet **Type BA BM - Backflow preventer**

Spare parts list and materials

Nr	Description	Materials
1	BODY	DZR brass
2	RELIEF VALVE BODY	PA
3	COVER	DZR brass
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
11	TEST COCK 2	Brass
12	TEST COCK 3	Brass
13	INLET ZONE	
14	INTERMEDIATE ZONE	
15	OUTLET ZONE	



Installation and maintenance

- In accordance with antipollution standard 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

Directions for installation :

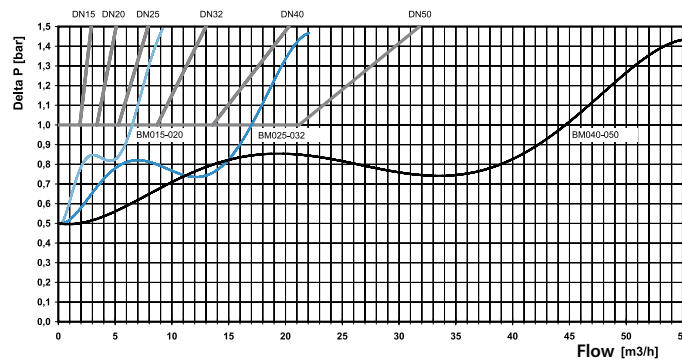
- Total accessibility
- non-submersible installation
- purge carefully all air from the installation (non polluted atmosphere),
- the discharge valve must be able to cope with the discharge flow rate.
- protection against frost or extreme temperatures

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



Working principle



INSTALLATIESCHEMA VAN EEN "BA" BEVEILIGING

Een terugstroombeveiliging van het type BA dient altijd tesamen met ondermeer de volgende appendages geplaatst te worden :

INSTROOMZIJDE : - afsluitter
Socia kan U al deze artikelen aanbieden :

- Kogelkranen, volle doorlaat, DN 1/2" tot 2".
- Vienderkeppen van Ø 65 tot 250 (raadpleeg ons).
- Waterfilters met aftapkraan, draadkamsluiting (1/2" tot 2").
- Waterfilters met aftapkraan, flens aansluiting PN 10 voor DN 65 tot 250
- Afoerpijphouder inbegrepen.
- Horizontale installatie

PRECAUTIONS :

- Indien er stroomopwaards een regelmatig voorkomend drukval optreedt, is het raadzaam een extra keerklep aan de instroomzijde te plaatsen.
- De afsluitter aan de instroomzijde moet altijd langzaam geopend worden voor een trage onderdrukstelling van de beveiliging.