

Technical data sheet

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

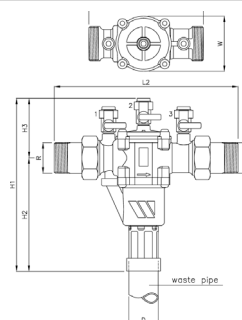
Technical description

"	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** : **kiwa WRAS ACS**
SIET - SITAC - SVGW - SINTEF - UNI
- **Other approvals available** : **DVGW** : Consult us.
- **International construction Standards** :
EN 1717 - EN12729
Thread connection according to EN ISO 228-1

Overall dimensions

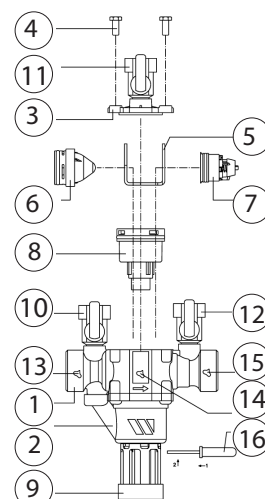
DN	D	V	L1	L2	H1	H2	H3	W	Weight
"	mm	mm	mm	mm	mm	mm	mm	mm	kg
1/2*	15	32	122	201	168.5	103	65.5	53	1.2
3/4	20	32	122	201	168.5	103	65.5	53	1.2
1	25	40	157	252	238	156	82	76	2.7
1 1/4	32	40	157	252	238	156	82	76	2.7
1 1/2	40	50	220	336	303.5	202.5	101	115	6.5
2	50	50	220	336	303.5	202.5	101	115	6.5



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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

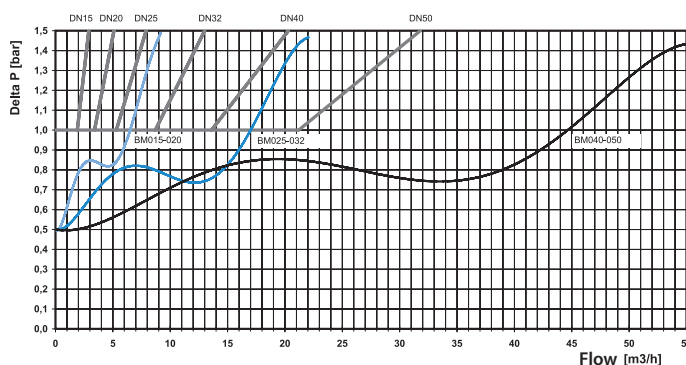
- In accordance with antipollution standard and hygiene regulations, the user undergoes the following requirements :
 - declaration of intention of installation, 2 months before doing the work.
 - declaration of putting into service.
 - annual performance check (maintenance), including the accessories 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



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