

# Technical data sheet

## Type 2760 Backflow preventer Type BA

### Applications and special features



- The backflow preventer BA are in the process of different national certifications and are designed to protect drinking water systems from contamination by polluted liquids which do not present toxic or microbiological risks to human health as defined by the health authorities.
- The backflow preventer BA is composed of 3 zones : upstream, middle and downstream chamber, each chamber is fitted with a pressure plug.
- Two independent non return devices which separate the middle zone (reduced pressure zone) from each other zone, normally closed when no water .
- A discharge device (evacuation to waste) linked to the middle chamber, normally closed when no water.

### Technical description

"	DN		Ref	Acoustic group
	"	mm		
1/2	15		<b>149B3880</b>	II
1/2	15		<b>149B3680*</b>	II
3/4	20		<b>149B3481</b>	I
1	25		<b>149B3082</b>	I
1 1/4	32		<b>149B3083</b>	I
1 1/2	40		<b>149B3086</b>	-
2	50		<b>149B3085</b>	-

\* : OEM version

• **Connection** : Male threaded union nuts except ref 3680 :  
1/2 male threaded union nut and CHC screw

• **Permissible operating pressure PFA - water** - 10 bar

• **θ maxi** 65° C

• **Mediums** : Clear water

• **Approvals** : ACS

• **Other approvals available** : **WRAS**

**kiwa** : Consult us.

• **International construction Standards** :

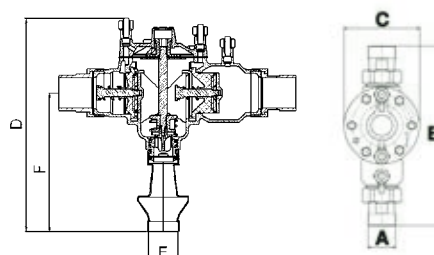
EN 1717 - EN12729

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

### Overall dimensions

DN	A	B	C	D	E	F	Weight
"	mm	mm	mm	mm	mm	mm	kg
1/2	15	173	59,5	196	20	116	1,06
1/2*	15	130	62,5	191	20	116,5	1,05
3/4	20	200	77,0	245,5	40	153,5	1,80
1	25	262	104,0	285,0	50	185,5	3,70
1 1/4	32	277	116	308,5	50	205,5	5,00
1 1/2	40	330	130	330,0	50	215,0	7,00
2	50	396	146	425,0	50	230,5	9,80

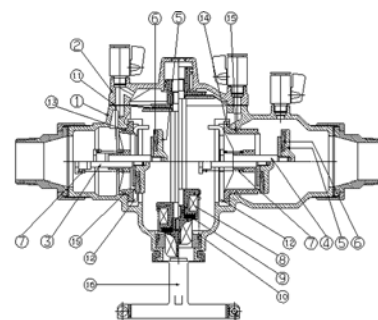
\* : OEM version



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### Spare parts list and materials

Nb	Description	Materials	EURO	ANSI
1	CASING DN 1/2-3/4 Other DN	Brass Bronze	CuZn36Pb2As CuSn5Zn5Pb5-C	ASTM B 505
2	CAP DN 1/2 et 3/4 Other DN	Brass Bronze	CuZn36Pb2As CuSn5Zn5Pb5-C	ASTM B 505
3	STEM	Brass	CuZn39Pb2	ASTM B 124
4	STEM	Brass	CuZn39Pb2	ASTM B 124
5	HEAD VALVE	Brass	CuZn36Pb2As	
6	SEAL	Silicone		
7	SPRING	Stainless steel	X10CrNi18-8	AISI 302
8	DISCHARGE VALVE	Noryl		
9	SEAL	EPDM		
10	SPRING	Stainless steel	X10CrNi18-8	AISI 302
11	MEMBRANE	NBR/Polyamide		
12	RINGS	Stainless steel	X10CrNi18-8	
13	UPSTREAM SEAT DN 3/4 Other DN	Grivory Noryl		
14	DOWNSTREAM SEAT	Noryl		
15	SEAL	EPDM		
16	FUNNEL	PVC		



### 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 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 get the discharge flow rate.
- protection against frost or extreme temperatures .

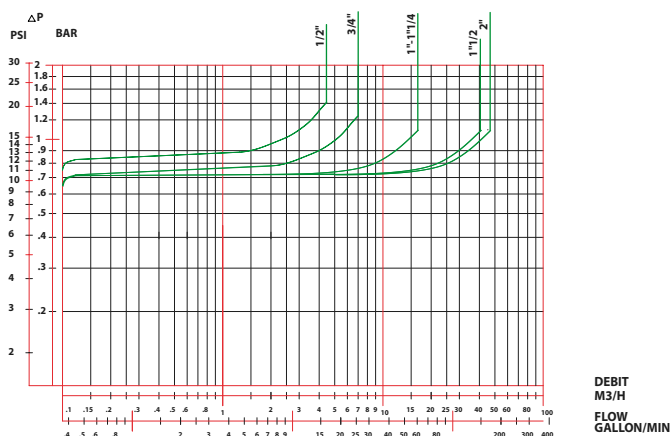
**Installation specification :** the correct installation requires :

- upstream : stop valve + filter (with washing 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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