PROTECTION OF DRINKING WATER NETWORKS

BABM



EN 12729

PRESSURE PFA 10 bar	θ 65°
Backflow preventer with verifiable reduced pressure zone with funnel attached	
Piston technology system, without membrane, total accessibility for the maintenance of the modular parts	
CASING : Brass	
RELIEF VALVE : Polymer PA	
CHECK VALVES : Polymer POM	
APPROVALS : NF WRAS BELGAQUA UNI SVGW SSIGE kiwa SINTEF ACS SITAC	

male/male

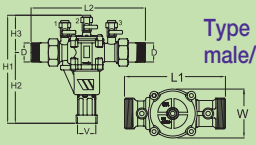
DN mm	DN "	Ref.	U V	
15	1/2	149B 70000	1	
20	3/4	149B 70001	1	
25	1	149B 70002	1	
32	1 1/4	149B 70003	1	
40	1 1/2	149B 70004	1	
50	2	149B 70005	1	

Other approval available :

DVGW

Consult us.

TECHNICAL INFORMATION



Type BABM male/male

DN mm	D "	V mm	L1 mm	L2 mm	H1 mm	H2 mm	H3 mm	W mm	Kg
15	1/2	32	122	201	168,5	103	65,5	53	1,2
20	3/4	32	122	201	168,5	103	65,5	53	1,2
25	1	40	157	252	238	156	82	76	2,7
32	1 1/4	40	157	252	238	156	82	76	2,7
40	1 1/2	50	220	336	303,5	202,5	101	115	6,5
50	2	50	220	336	303,5	202,5	101	115	6,5

Installation device : see page 8

PROTECTION OF DRINKING WATER NETWORKS

BA4760



EN 12729

PRESSURE PFA 10 bar	θ 65°
Backflow preventer with verifiable reduced pressure zone with funnel attached	
CASING : cast iron with epoxy coating	
VALVES : BA4760 : valve head in DZR brass or bronze and valve seat in PPO or bronze	
SEALS : EPDM/Silicone	
SPRING : stainless steel	
APPROVALS : NF BUREAU VERITAS BELGAQUA ACS	
SPECIAL NOTE : horizontal installation	

with PN10 flanges

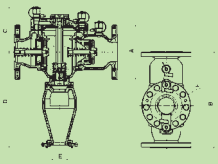
DN mm	DN "	Ref.	U V	
60-65	2 1/2	149B 3486	1	
80	3	149B 3097	1	
100	4	149B 3098	1	
150	6	149B 3400	1	
200	8	149B 3401	1	
250	10	149B 3402	1	

Other approvals available :

WRAS UNI SVGW SSIGE VA kiwa

Consult us.

TECHNICAL INFORMATION



Type BA4760 flanged

DN mm	Ø A mm	B mm	C mm	D mm	Ø E mm	Ø F mm	Kg
60-65	185	356	155	326	63	180	26,25
80	200	440	173	337	63	200	33,00
100	220	530	201	434	80	255	65,00
150	285	630	230	456	80	310	92,00
200	340	763	272	499	80	390	150,00
250	395	763	272	499	80	390	161,00

Installation device : see page 8

Technical Manual - Spare parts

HEATING INSTALLATIONS WITH LESS THAN 70 KW

CA296



PRESSURE PFA 10 bar	θ 65°
Backflow preventer with non verifiable reduced pressure zone with funnel attached	
CASING : brass	
VALVES : POM (polyacetal) and brass	
MEMBRANE AND SEALS : NBR (nitrile) and EPDM	
SPRING : stainless steel	
Female threaded union nuts and drain holder	
APPROVALS : NF BUREAU VERITAS BELGAQUA ACS	
OPTIONS : threaded male/male version and male/male or female/female nickel-plated versions available on request	

female/female

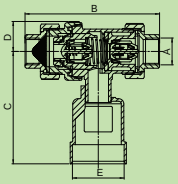
DN mm	Ref.	U V	
15	149B 2885	1	
20	149B 2886	1	

Other approvals available :

kiwa

Consult us.

TECHNICAL INFORMATION



Type CA296 female/female

DN mm	A "	B mm	C mm	D mm	E mm	Kg
15	1/2	105	88	24	40	0,590
20	3/4	105	88	24	40	0,585

PROTECTION OF DRINKING WATER NETWORKS

BABM CD



EN 12729

PRESSURE PFA 10 bar — θ 65°

Backflow preventer with verifiable reduced pressure zone with angled funnel for vertical installations

CASING : Brass

RELIEF VALVE : Polymer PA

CHECK VALVES : Polymer POM

APPROVALS : NF, BELGAQUA, kiwa WRAS, DVGW

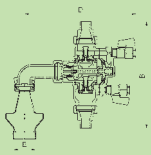
SPECIAL : for vertical descending installations

male/male

DN mm	DN ”	Ref.	U V	
15	1/2	149B 70018	1	
20	3/4	149B 70019	1	
25	1	149B 70020	1	
32	1 1/4	149B 70021	1	
40	1 1/2	149B 70022	1	
50	2	149B 70023	1	

TECHNICAL INFORMATION

Type BABM CD male/male



A ”	B mm	C mm	D mm	E mm	Kg
3/4	200	77	186	40	2,40
1	262	104	211	50	3,00
1 1/4	277	116	235	50	5,50
1 1/2	330	130	254	50	7,50
2	396	146	282	50	11,00

PROTECTION OF DRINKING WATER NETWORKS

SET OF PROTECTION WITHOUT SUPPORT RAIL



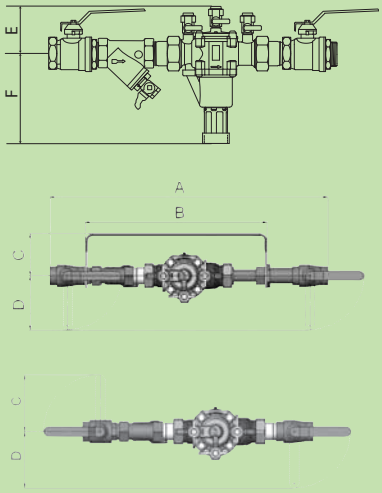
The set is composed by :
a backflow preventer type BABM,
isolating valves type VABS : V3000 and V3000MF
and a filter type Y222P.

APPROVALS : NF, BELGAQUA, kiwa WRAS, DVGW

female/female

DN ”	Ref.	U V	
1/2	149B 70012	1	
3/4	149B 70013	1	
1	149B 70014	1	
1 1/4	149B 70015	1	
1 1/2	149B 70016	1	
2	149B 70017	1	

TECHNICAL INFORMATION



PROTECTION OF DRINKING WATER NETWORKS

SET OF PROTECTION WITH SUPPORT RAIL



The set is composed by :
a backflow preventer type BABM,
2 isolating valves type VABS, V3000
and a filter type Y222P and support rail.

APPROVALS : NF, BELGAQUA, kiwa WRAS, DVGW

female/female

DN ”	Ref.	U V	
1/2	149B 70006	1	
3/4	149B 70007	1	
1	149B 70008	1	
1 1/4	149B 70009	1	
1 1/2	149B 70010	1	
2	149B 70011	1	

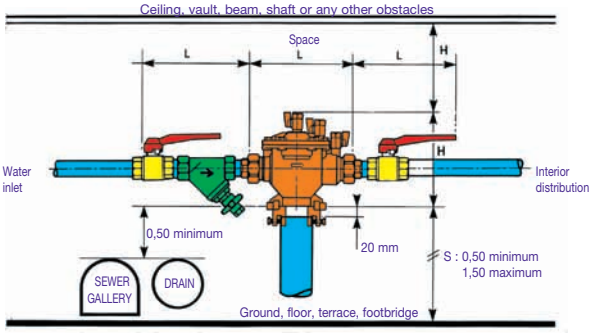
DN ”	A mm SS*	A mm AS*	B mm	C mm	D mm	E mm	F mm	Kg SS*	Kg AS*
1/2	294	345	(1)	90	90	65,5	103	1,15	2,00
3/4	358	435	320	70	90	65,5	103	3,80	3,47
1	459	520	360	70	115	82	156	5,98	5,98
1 1/4	513	568	387	135	115	82	156	10,05	10,05
1 1/2	604	668	469	135	150	101	202,5	16,25	16,25
2	722	815	576	135	180	101	202,5	19,18	19,18

SS : without support rail
AS : with support rail
(1) Consult us

INSTALLATION SKETCH FOR BA BACKFLOW PREVENTER

The backflow preventers must due to present regulations be equipped with accessories such as :

UPSTREAM : · stop valve · strainer.
DOWNSTREAM : · stop valve.
All these accessories are available at SOCLA :
· Full bore ball valves DN 1/2” to 2”.
· Butterfly valves DN 65 to 250 (please consult us).
· Threaded strainer with drain cock DN 1/2” to 2”
· Filters with flanges PN 10 DN 65 to 250.
· Incorporated outlet drain holder.
· Horizontal installation.



PRECAUTIONS :

· In the case of an upstream diversion in the area right in front of the RPZ, it is necessary to install a checkvalve between the diversion and the RPZ.
· Always manipulate the upstream valve slowly.