

This is to certify that a production Water Hammer Arrester, Model No.	ART 1325 AA 1/2"
manufactured by, or for Albion Valves Limited (UK)	, which conforms to the
drawings and dimensions illustrated herein, has been tested by:	

CSA International

8501 East Pleasant Valley Road, Cleveland, Ohio 44131

(Name of Independent Testing Laboratory)

(Street, City, State and Zip Code)

as of this date in accordance with the testing procedure established by the Plumbing and Drainage Institute, in P.D.I. Standard WH-201, for size AA Water Hammer Arresters. It is further certified that when such arrester was tested on a 1/2 inch pipe line of fifty feet effective length, flow pressure of 60 P.S.I.G. and surge pressure of 340 P.S.I.G. (400 P.S.I.G. maximum total pressure), such arrester limited the total pressure created by sudden valve closure to 150 P.S.I.G. maximum which is the acceptable limit in such Standard.

The results of tests conducted on this unit are applicable to this unit only. Use of this data and/or reference to the Plumbing and Drainage Institute or the above named laboratory in connection with purported certification by any other means than testing to the applicable standard without the consent of the Plumbing and Drainage Institute will constitute a breach of the relevant certification Mark License Agreement with the Plumbing and Drainage Institute.

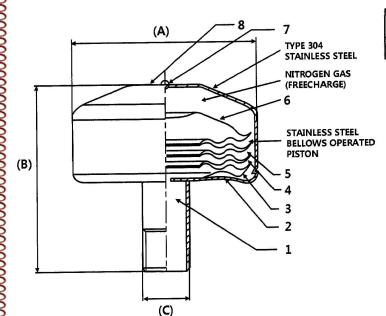


FIG. NO.	P.D.I. SYMBOL	FIXTURE UNIT RATING	(A) DIAMETER	(B) LENGH	(C) CINNECTION
TYPE-AA	AA	1-3	3 1/4"	3 1/4"	1/2 "

1.2m/mthk

			-					Li	mited	
DRV	VN DSND C		HKD	APPD		Al	bion Valve	s (UK)		
DATE 2019.04.10			TYPE	TYPE STAINLESS STEEL SHOCK ARRESTOR						
3 RD A	NGEL	PF	ROJECT	101	1	DWG. NO. AB-0410001				
SCALE UNIT 1:1 MM					MODI			1325 AA 1,	/2"	
МО	PART NAME		MATERIAL		Q'	TY	SIZE	REMARKS		
1	PIPE		STS 304		:	L	SCHE40	1/2"		
2	BODY SEAT		STS 304			ı	1.2m/mthk	2B		
3	BELLOWS SEAT		STS 304		:	L	0.5m/mthk	2B		
4	BELL	OV.	/S UND	ER	STS	304	- :	3	0.4m/mthk	2В
5	BELL	.ov	VS UPPE	R	STS	304		3	0.4m/mthk	2В
6	BELLOWS LID		STS	304		L	0.4m/mthk	2B		
7	BALL S		STS	304	:	l.	d 3.5m/m			
8	,	101	JSING		212	304	-	L	1.2m/mmk	26

(Drawing, dimensions and description)

The statements made	le herein are certified to be true and correct.
Name Mot Ween	Title Executive Director
Certification Date_ June 26, 2019	Test No. 80002684-0 [CL]
-	June 26, 2024



This is to certify that a production Water Hammer Arrester, Model No.	ART 1325 A 3/4"
manufactured by, or for Albion Valves Limited (UK)	, which conforms to the
drawings and dimensions illustrated herein, has been tested by:	

CSA International

8501 East Pleasant Valley Road, Cleveland, Ohio 44131

(Name of Independent Testing Laboratory)

(Street, City, State and Zip Code)

as of this date in accordance with the testing procedure established by the Plumbing and Drainage Institute, in P.D.I. Standard WH-201, for size A Water Hammer Arresters. It is further certified that when such arrester was tested on a 1/2 inch pipe line of fifty feet effective length, flow pressure of 60 P.S.I.G. and surge pressure of 340 P.S.I.G. (400 P.S.I.G. maximum total pressure), such arrester limited the total pressure created by sudden valve closure to 150 P.S.I.G. maximum which is the acceptable limit in such Standard.

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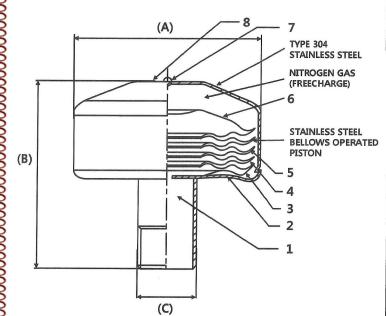


FIG. NO.	P.D.I. SYMBOL	FIXTURE UNIT RATING	(A) DIAMETER	(B) LENGH	(C) CINNECTION
TYPE-A	A	1-11	3 1/4"	3 1/4"	3/4 "

DRW	/N	DSND	CI	HKD	APP	D		bion Valves mited	(UK)
DATE				TYPE STAINLESS STEEL SHOCK ARRESTOR					
3 RD A	NGEL	PROJECT	ION	١	DWG. NO. AB-0410002				
SCALE UNIT 1:1 MM					MODE			1325 A 3/	4"
NO	PART NAME		MATERIAL		Q'	Y	SIZE	REMARKS	
1		PIPE		STS 304			1	SCHE40	3/4"
2	BODY SEAT		STS 304			1	1.2m/mthk	2B	
3	BEL	BELLOWS SEAT		STS 304			1	0.5m/mthk	2B
4	BELI	LOWS UND	ER	STS	304		4	0.4m/mthk	2B
5	BELI	LOWS UPPI	ER	STS	304		4	0.4m/mthk	2B
6	ВЕ	LLOWS LIE)	STS	304		1	0.4m/mthk	2B
7	BALL S		STS	304		1	d 3.5m/m		
8		HOUSING STS		304		1	1.2m/mthk	2B	

(Drawing, dimensions and description)

The statements made here	in are certified to be true and correct.
Name Mot Ween	Title_ Executive Director
Certification Date_ June 26, 2019	Test No. 80002684-1 [CL]
Expiration Date _ June	e 26, 2024



This is to certify that a production Water Hammer Arrester, Model No.	ART 1325 B 1"
manufactured by, or for Albion Valves Limited (UK)	, which conforms to the
drawings and dimensions illustrated herein, has been tested by:	

CSA International

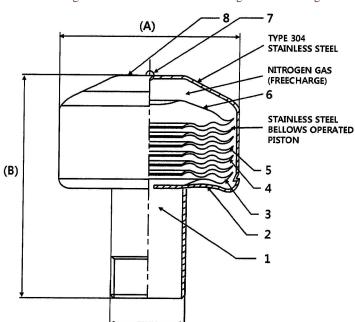
8501 East Pleasant Valley Road, Cleveland, Ohio 44131

(Name of Independent Testing Laboratory)

(Street, City, State and Zip Code)

as of this date in accordance with the testing procedure established by the Plumbing and Drainage Institute, in P.D.I. Standard WH-201, for size ____B__ Water Hammer Arresters. It is further certified that when such arrester was tested on a ___3/4__ inch pipe line of fifty feet effective length, flow pressure of 60 P.S.I.G. and surge pressure of 340 P.S.I.G. (400 P.S.I.G. maximum total pressure), such arrester limited the total pressure created by sudden valve closure to 150 P.S.I.G. maximum which is the acceptable limit in such Standard.

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(C)

FIG. NO.	P.D.I. SYMBOL	FIXTURE UNIT RATING	(A) DIAMETER	(B) LENGH	(C) CINNECTION	
TYPE-B	ТҮРЕ-В В		3 1/4"	4 1/16"	1 "	

DRW	/N	D	SND	C	HKD	APP	D	1	bion Valves	(UK)
DATE 2019.04.10					TYPE	TYPE STAINLESS STEEL SHOCK ARRESTOR				
3 RD A	NGEL	. PR	ROJECT	ION		DWG. NO. AB-0410003				
SCALE 1:1						MODI	EL N	· ·	T 1325 B 1	<i>11</i>
NO	PART NAME		MATERIAL		Q.	Ή	SIZE	REMARKS		
1	PIPE		STS	304		1	SCHE40	1"		
2	BODY SEAT		STS	304		1	1.2m/mthk	2B		
3	BELLOWS SEAT		STS	304		1.	0.5m/mthk	28		
4	BEL	LOV	VS UND	ER	STS	304		6	0.3m/mthk	2B
5	BEL	LOV	VS UPP	ER	STS	304		6	0.3m/mthk	2B
6	В	ELLC	OWS LIE)	STS	304	Г	1	0.4m/mthk	2B
7		В	ALL		STS	304		1	d 3.5m/m	
8		HOUSING			STS	304		1	1.2m/mthk	2B

(Drawing, dimensions and description)

The statements made here	in are certified to be true and correct.
Name Mot Ween	Title Executive Director
Certification Date_ June 26, 2019	Test No. 80002684-2 [CL]
Expiration Date	e 26, 2024



This is to certify that a production Water Hammer Arrester, Model No.	ART 1325 C 1"
manufactured by, or for Albion Valves Limited (UK)	, which conforms to the
drawings and dimensions illustrated herein, has been tested by:	

CSA International

8501 East Pleasant Valley Road, Cleveland, Ohio 44131

(Name of Independent Testing Laboratory)

(Street, City, State and Zip Code)

as of this date in accordance with the testing procedure established by the Plumbing and Drainage Institute, in P.D.I. Standard WH-201, for size _____ C___ Water Hammer Arresters. It is further certified that when such arrester was tested on a _____ inch pipe line of fifty feet effective length, flow pressure of 60 P.S.I.G. and surge pressure of 340 P.S.I.G. (400 P.S.I.G. maximum total pressure), such arrester limited the total pressure created by sudden valve closure to 150 P.S.I.G. maximum which is the acceptable limit in such Standard.

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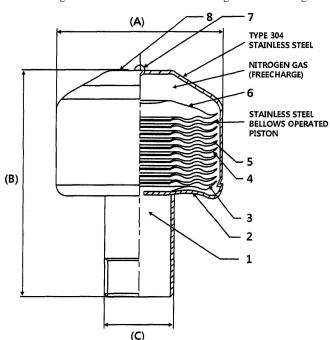


FIG. NO.	P.D.I. SYMBOL	FIXTURE UNIT RATING	(A) DIAMETER	(B) LENGH	(C) CINNECTION
TYPE-C	С	33-60	3 1/4"	4 3/8"	1 "

	Γ	HOUSING STS				201	-		70 / 11	
8		HOUSING		515	304	L	1	1.2m/mthk	2B	
7		В	ALL		STS	304		1	d 3.5m/m	
6	В	ELLC	OWS LIE)	STS	304		1	0.4m/mthk	2B
5	BEL	LOV	VS UPPI	ER	STS	304	3	10	0.4m/mthk	2B
4	BEL	LOV	VS UND	ER	STS	304	1	.0	0.4m/mthk	2B
3	BE	rro	WS SEA	Т	STS	304		1	0.5m/mthk	2B
2	E	BODY SEAT		STS	304		1	1.2m/mthk	2B	
1		PIPE		STS	304		1.	SCHE40	1"	
NO	P	PART NAME		MATERIAL		Q'	TY	SIZE	REMARKS	
SCALE 1:1	E UNIT MM		MODEL NO ART 1325 C 1"				"			
3 RD A	NGE	. PF	ROJECT	ION	ı	DWG. NO. AB-0410004				
DATE	DATE 2019.04.10			TYPE	*		STAINLESS S SHOCK ARRE			
DRV	/N	С	DSND CHKD		APP	D		bion Valves	s (UK)	

(Drawing, dimensions and description)

The statements made here	in are certified to be true and correct.
Name Mot Weise	Title Executive Director
Certification Date_ June 26, 2019	Test No. 80002684-3 [CL]
Expiration Date _ June	26, 2024



This is to certify that a production Water Hammer Arrester, Model No.	ART 1325 D 1"
manufactured by, or for Albion Valves Limited (UK)	, which conforms to the
drawings and dimensions illustrated herein, has been tested by:	

CSA International

8501 East Pleasant Valley Road, Cleveland, Ohio 44131

(Name of Independent Testing Laboratory)

(Street, City, State and Zip Code)

as of this date in accordance with the testing procedure established by the Plumbing and Drainage Institute, in P.D.I. Standard WH-201, for size _____D__ Water Hammer Arresters. It is further certified that when such arrester was tested on a ____1-1/4___ inch pipe line of fifty feet effective length, flow pressure of 60 P.S.I.G. and surge pressure of 340 P.S.I.G. (400 P.S.I.G. maximum total pressure), such arrester limited the total pressure created by sudden valve closure to 150 P.S.I.G. maximum which is the acceptable limit in such Standard.

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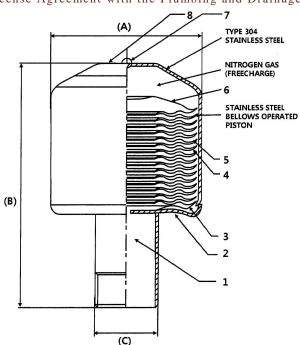


FIG. NO.	P.D.I. SYMBOL	FIXTURE UNIT RATING	(A) DIAMETER	(B) LENGH	(C) CINNECTION
TYPE-D	D	61-113	3 1/4"	5 1/4"	1 "

DRW	/N	D	SND	C	HKD	APP	D		bion Valves nited	s (UK)
DATE 2019.04.10				TYPE	TYPE STAINLESS STEEL SHOCK ARRESTOR					
3 RD A	NGE	. PF	OJECT	ION	ı	DWG.	NO.	,	AB-0410005	
SCALE UNIT 1:1 MM					MODI		-	T 1325 D 1	."	
NO	P	PART NAME		MATERIAL		Q′	TY	SIZE	REMARKS	
1		PIPE S		STS 304			1	SC HE40	1"	
2	E	BODY SEAT		STS 304			1	1.2m/mthk	2B	
3	BELLOWS SEAT		STS 304			1	0.5m/mthk	2B		
4	BEL	LOV	VS UND	ER	STS	304	1	.5	0.3m/mthk	2B
5	BEL	LOV	VS UPPI	R	STS	304	1	.5	0.3m/mthk	2B
6	ВІ	LLC	WS LID		STS	304		1	0.4m/mthk	2B
7		BALL STS		304		1	d 3.5m/m			
8		HOUSING ST			STS	304		1	1.2m/mthk	28

(Drawing, dimensions and description)

The statements made herein are certified to be true and correct.							
Name Mot Ween	Title_ Executive Director						
Certification Date_June 26, 2019	Test No. 80002684-4 [CL]						
Expiration DateJune	e 26, 2024						



This is to certify that a production Water Hammer Arrester, Model No.	ART 1325 E 1"
manufactured by, or for Albion Valves Limited (UK)	, which conforms to the
drawings and dimensions illustrated herein, has been tested by:	

CSA International

8501 East Pleasant Valley Road, Cleveland, Ohio 44131

(Name of Independent Testing Laboratory)

(Street, City, State and Zip Code)

as of this date in accordance with the testing procedure established by the Plumbing and Drainage Institute, in P.D.I. Standard WH-201, for size _____E___ Water Hammer Arresters. It is further certified that when such arrester was tested on a ____1-1/2____ inch pipe line of fifty feet effective length, flow pressure of 60 P.S.I.G. and surge pressure of 340 P.S.I.G. (400 P.S.I.G. maximum total pressure), such arrester limited the total pressure created by sudden valve closure to 150 P.S.I.G. maximum which is the acceptable limit in such Standard.

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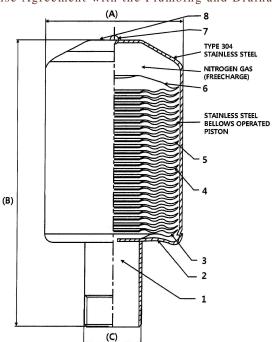


FIG. NO.	P.D.I. SYMBOL	FIXTURE UNIT RATING	(A) DIAMETER	(B) LENGH	(C) CINNECTION
TYPE-E	E	114-154	3 1/4"	7 1/32"	1 "

DRW	/N	D	SND	С	HKD AP		D		bion Valves nited	(UK)
DATE	DATE 2019.04.10				TYPE			STAINLESS S SHOCK ARRE		
3 RD A	NGEL	. PF	ROJECT	101	I	DWG. NO. AB-0410006				
SCALE 1:1	E UNIT MM			MODI	EL N	_	T 1325 E 1	"		
NO	P	PART NAME		MATERIAL		Q'	TY	SIZE	REMARKS	
1		PIPE		STS	304	3	1	SCHE40	1"	
2	В	BODY SEAT		STS 304			1	1.2m/mthk	2B	
3	BEI	BELLOWS SEAT		STS 304			1	0.5m/mthk	2В	
4	BEL	LOV	VS UND	ER	STS	304	2	24	0.3m/mthk	2B
5	BEL	LOV	VS UPPI	ER	STS	304	2	24	0.3m/mthk	2B
6	В	LLC	OWS LIE)	STS	304		1	0.4m/mthk	28
7		В	ALL		STS	304		1	d 3.5m/m	
8		HOUSING		STS	304	l	1	1.2m/mthk	2B	

(Drawing, dimensions and description)

The statements made herei	n are certified to be true and correct.
Name_ Mot Weise	Title Executive Director
Certification Date_June 26, 2019	Test No. 80002684-5 [CL]
Expiration DateJune	26, 2024



This is to certify that a production Water Hammer Arrester, Model No.	ART 1325 F 1"
manufactured by, or for Albion Valves Limited (UK)	_, which conforms to the
drawings and dimensions illustrated herein, has been tested by:	

CSA International

8501 East Pleasant Valley Road, Cleveland, Ohio 44131

(Name of Independent Testing Laboratory)

(Street, City, State and Zip Code)

as of this date in accordance with the testing procedure established by the Plumbing and Drainage Institute, in P.D.I. Standard WH-201, for size ____F__ Water Hammer Arresters. It is further certified that when such arrester was tested on a ____2__ inch pipe line of fifty feet effective length, flow pressure of 60 P.S.I.G. and surge pressure of 340 P.S.I.G. (400 P.S.I.G. maximum total pressure), such arrester limited the total pressure created by sudden valve closure to 150 P.S.I.G. maximum which is the acceptable limit in such Standard.

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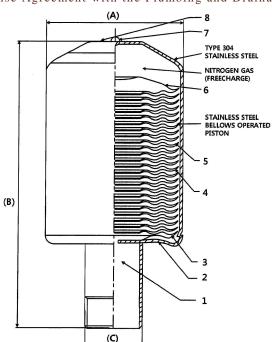


FIG. NO.	P.D.I. SYMBOL	FIXTURE UNIT RATING	(A) DIAMETER	(B) LENGH	(C) CINNECTION
TYPE-F	F	155-330	3 1/4"	7 1/32"	1"

							-	2007 17077		
8	HOUSING			STS	304		1	1.2m/mthk	2B	
7		BALL		STS	304		1	d 3.5m/m		
6	В	BELLOWS LID		STS 304			1	0.4m/mthk	2B	
5	BELLOWS UPPER		STS 304		1 24		0.3m/mthk	BA		
4	BELLOWS UNDER		STS 304		2	24	0.3m/mthk	BA		
3	BELLOWS SEAT		STS 304			1.	0.5m/mthk	2В		
2	Ε	BODY SEAT		STS 304			1	1.2m/mthk	2B	
1		PIPE		STS 304			1.	SCHE40	1"	
NO	PART NAME		MATERIAL		Q'	TY	SIZE	REMARKS		
SCALE UNIT 1:1 MM					MODEL NO ART 1325 F 1"					
3RD ANGEL PROJECTION DWG. NO. AB-0410007										
DATE 2019.04.10					TYPE STAINLESS STEEL SHOCK ARRESTOR					
DRWN DSND C		HKD	APP	D	Albion Valves (UK) Limited					

(Drawing, dimensions and description)

The statements made here	The statements made herein are certified to be true and correct.						
Name Mot Ween	Title Executive Director						
Certification Date_ June 26, 2019	Test No. 80002684-6 [CL]						
Expiration Date June 26, 2024							