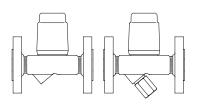


Bimetallic steam trap

Bimetallic steam trap **ANSI150 / 300**

(Fig. 600/601....1) - with flanges - with screwed sockets (Fig. 600/601....2) (Fig. 600/601....3) - with socket weld ends - with butt weld ends (Fig. 600/601....4)



1/2" - 1" Page 2 Forged steel 1 1/2" - 2" Stainless steel Fig. 600/601 (Y) Page 4

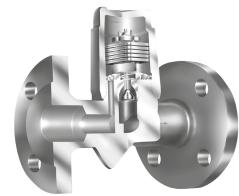
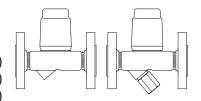


Fig. 600....1 (ANSI300)

Fig. 600....4 (ANSI2500)

Bimetallic steam trap **ANSI600**

- with flanges (Fig. 600/601....1) (Fig. 600/601....2) - with screwed sockets (Fig. 600/601....3) - with socket weld ends - with butt weld ends (Fig. 600/601....4)



Forged steel Fig. 600/601 (Y)

Page 6



- with flanges (Fig. 600....1) - with socket weld ends (Fig. 600....3) - with butt weld ends (Fig. 600....4)



High temperature steel Fig. 600

Page 8

High pressure bimetallic steam trap ANSI900 / 1500

- with flanges (Fig. 600....1) - with socket weld ends (Fig. 600....3) - with butt weld ends (Fig. 600....4)



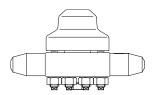
High temperature steel

Fig. 600 Page 10



High pressure bimetallic steam trap **ANSI2500**

- with flanges (Fig. 600....1) - with socket weld ends (Fig. 600....3) - with butt weld ends (Fig. 600....4)



High temperature steel Fig. 600

Page 12

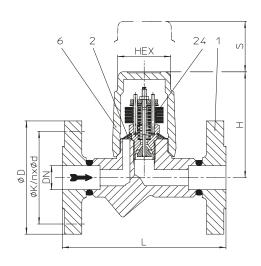
Features:

- · For discharging of slight to highly sub-cooled condensate (to 30K)
- · Automatic air-venting during start up and operation of the plant
- · Robust and resistant to water-hammer
- · Integrated non return protection
- Design with internal strainer Fig. 600 Design with outside strainer (Y) - Fig. 601 (Y)
- · Optimized design for quick installation (ANSI150/300)
- · Gasket-free sealing of the screwed cap (ANSI150/300/600 with cap)
- · Installation in any position (except cover/screwed cap downwards)
- · Subcooling of condensate is continuously adjustable (observe the operation instructions)
- · The controller maybe changed without disturbing the pipe work
- · Pressure test acc. to API 598
- · CRN approved (ANSI150-1500)





Bimetallic steam trap (Forged steel, Stainless steel)



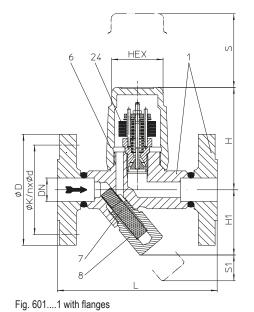




Fig. 600/601....2 with screwed sockets



Fig. 600/601....3 with socket weld ends



Fig. 600/601....4 with butt weld ends

Fig. 600....1 with flanges

Figure

42.600

ominal r	Operating pressure PS	Inlet temperature TS	allowable differential pressure ΔPMX	for controller
	13 barg	225 °C		
	5,5 barg	427 °C		
	32 barg	411 °C	32 har	D32

42.600	ANSI150	SA105	1/2" - 1"	13 barg	225 °C		
42.601 (Y)	ANSITOU	3A103	1/2 - 1	5,5 barg	427 °C		
45.600	ANSI300 SA	SA105	1/2" - 1"	32 barg	411 °C	32 bar 22 bar 13 bar	R32
45.601 (Y)	ANSISUU	SA105	1/2 - 1	28,3 barg	427 °C		R22
52.600	ANSI150	NSI150 SA182 F321	1/2" - 1"	13 barg	225 °C		
52.601 (Y)	ANSITOU	SA 102 F321		2,4 barg	510 °C		R13
55.600	5.600 ANSI300	ANSI300 SA182 F321		32 barg	377 °C		
55.601 (Y)	ANSISUU	3A102 F321	1/2" - 1"	26,6 barg	510 °C		

DIN/EN-Constructions refer to data sheet CONA®B

Nominal

pressure

Types of connection

acc. to ASME B16.5

Material

• Flanges1 Screwed sockets2 ____

____NPT thread acc. to ANSI B1.20.1 or Rp thread acc. to DIN EN 10226-1

 Socket weld ends3 ____ acc. to ASME B16.11

• Butt weld ends4 ASME B16.25 (Note restriction on operating pressure / inlet temperature depending to design!)

NPS / No

diameter

Features

- Thermostatic steam trap with non-corrosive and robust water hammer proof bimetallic controller
- · Automatic air-venting during start up and operation of the plant
- · Non return protection

Controller R32

• With inside strainer - Fig. 600 / with outside strainer - Fig. 601 (Y)

- · Installation in any position, except screw cap downwards · Subcooling of condensate is continuously adjustable (observe the operation instructions)
- Maintenance simplified due to screwed cap without sealing

Controller

____up to inlet pressure: 13 bar

up to inlet pressure: 32 bar

 Controller R13 _ Controller R22 up to inlet pressure: 22 bar (for operating range choosable)

(Design refer to page 3)

Other types of connection on request.

Options · Outside strainer with blow down valve (Pos. 46)

• Ball valve for blow down (pos. 56) with internal strainer (Observe operating and installation instructions!)

Screwed sockets Types of connection **Flanges** Butt weld ends Socket weld ends NPS 3/4 1/2 1/2 1/2 3/4 Face-to-face acc. to data sheet resp. customer request 150 160 95 95 95 250 250 250

Dimensions Standard-flange dimensions refer to page 15 / Larger nominal diame										
Н	(mm)	98	98	98	98	98	103	98	98	98
H1	(mm)	62	62	62	62	62	55	62	62	62
S	(mm)	70	70	70	70	70	70	70	70	70
S1	(mm)	30	30	30	30	30	30	30	30	30
HEX	(mm)	50	50	50	50	50	50	50	50	50

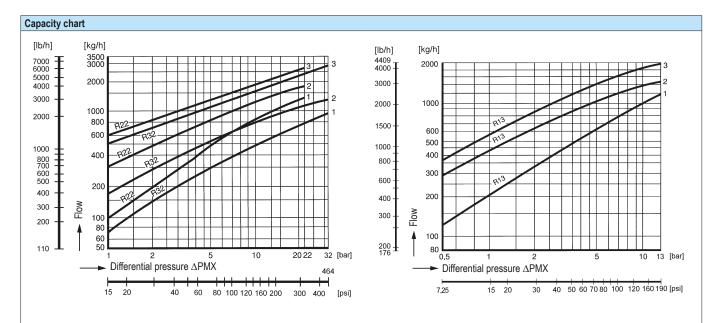
Weights										
(approx.)	(kg)	3,2	3,7	4,2	1,7	1,6	2,1	2,2	2,3	2,4



Parts								
Pos.	Sp.p.	Description	Fig. 42./45.600; 42./45.601	Fig. 52./55.600; 52./55.601				
1		Body	SA105	SA182F321				
2	х	Strainer	SA240Gr.304	SA240Gr.304				
6		Сар	SA105	SA182F321				
7	х	Strainer	SA240Gr.304	SA240Gr.304				
8	х	Strainer plug	SA182F321					
24	х	Controller, cpl.	TB 102 / 85 (corrosion resistant bimeta	al)				
46	х	Blow down valve, cpl.	SA182F321	SA182F321				
56	х	Ball valve als Ausblasventil (G 3/8")	SA351CF8M	SA351CF8M				
	L Spar	e parts						

Information / restriction of technical rules need to be observed! / Resistance and fitness must be verified (contact manufacturer for information, refer to Product overview and Resistance list).

Operating and installation instructions can be downloaded at www.ari-armaturen.com.



The capacity chart shows the maximum capacity at factory setting.

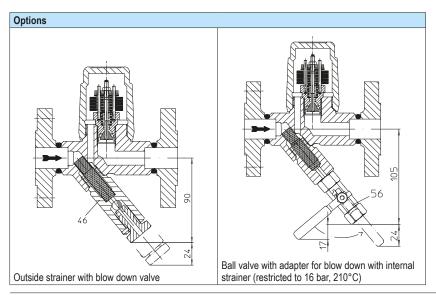
(Other factory-settings for the sub-cooling on request.)

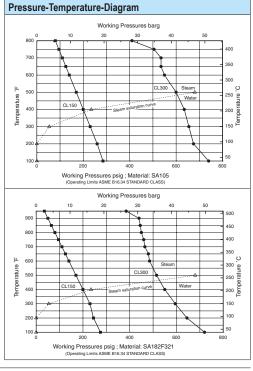
Curve 1: Maximum flow of hot condensate at approx. 10 K below saturation temperature.

Curve 2: Maximum flow of sub-cooled condensate at approx. 30 K below saturation temperature (with back-up of condensate).

Curve 3: Maximum flow at cold condensate at about 20°C (during start-up of a cold installation).

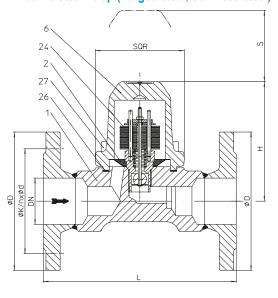
The condensate temperature determines the opening of the controller. Capacity is increased with the sub-cooling temperature of the condensate.

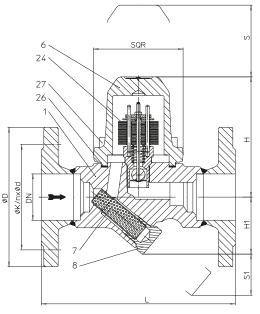






Bimetallic steam trap (Forged steel, Stainless steel)





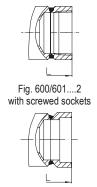


Fig. 600/601....3 with socket weld ends



Fig. 600/601....4 with butt weld ends

Fig. 600....1 with inside strainer

Fig. 601....1 with outside strainer (Y)

Figure	Nominal pressure	Material	NPS / Nominal diameter	Operating pressure PS	Inlet temperature TS	allowable differential pressure ΔPMX	for controller
42.600	41101450	SA105	1 1/2" - 2"	13 barg	225 °C		R32 R22 R13
42.601 (Y)	ANSI150	SA 105	1 1/2 - 2	5,5 barg	427 °C	32 bar 22 bar 13 bar	
45.600 45.601 (Y)	VVICISOO	SI300 SA105	1 1/2" - 2"	32 barg	411 °C		
	ANSISOU		1 1/2 - 2	28,3 barg	427 °C		
52.600	ANICIAEO	0.4.00 5004	2 F321 1 1/2" - 2"	13 barg	225 °C		
52.601 (Y)	ANSI150	SA182 F321		2,4 barg	510 °C		
55.600	ANICIDOO	CA400 F204	1 1/2" - 2"	32 barg	377 °C		
55.601 (Y)	ANSI300	SA182 F321		26,6 barg	510 °C		

Types of connection

• Flanges1 _

__acc. to ASME B16.5

• Screwed sockets2 _____NPT thread acc. to ANSI B1.20.1 or Rp thread acc. to DIN EN 10226-1

Socket weld ends3 _____acc. to ASME B16.11

 Butt weld ends4 __ASME B16.25 (Note restriction on operating pressure / inlet temperature depending to design!)

- Thermostatic steam trap with non-corrosive and robust water hammer proof bimetallic controller
- · Automatic air-venting during start up and operation of the plant
- Non return protection
- With inside strainer Fig. 600 / with outside strainer Fig. 601 (Y) Controller

- Installation in any position, except cover downwards • Subcooling of condensate is continuously adjustable

(observe the operation instructions)

• The controller maybe changed without disturbing the pipe work

(for operating range choosable)

(Design refer to page 5)

Other types of connection on request.

- Controller R13 ____up to inlet pressure: 13 bar
- Controller R22 _____up to inlet pressure: 22 bar
- Controller R32 ____ ____up to inlet pressure: 32 bar Options

• Outside strainer with blow down valve (Pos. 46)

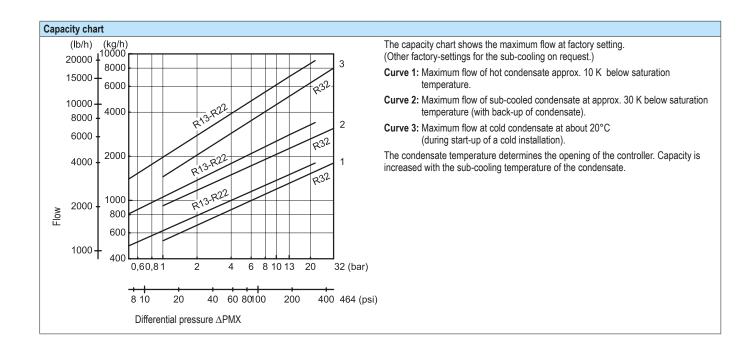
Ball valve for bloom	ow down (pos. 5	6) with internal strainer	(Observe operating and	I installation instructions	!)				
Types of connection		Flar	nges		l sockets veld ends	Butt we	eld ends		
NPS		1 1/2	2	1 1/2	2	1 1/2	2		
Face-to-face acc. to data sheet resp. customer request									
L	(mm)	230	230	160 / 130 ¹⁾	210	250	250		
					1) Screwed se	ockets = 160 mm / Sock	cet weld ends = 130 mm		
Dimensions				Standard-flange di	mensions refer to page	15 / Smaller nominal dia	ameters refer to page 2		
Н	(mm)	144	144	144	144	144	144		
H1	(mm)	68	68	68	68	68	68		
S	(mm)	90	90	90	90	90	90		
S1	(mm)	50	50	50	50	50	50		
SQR	(mm)	110	110	110	110	110	110		
Weights									
(approx.)	(kg)	11,3	12,1	8	8	8,9	9,2		

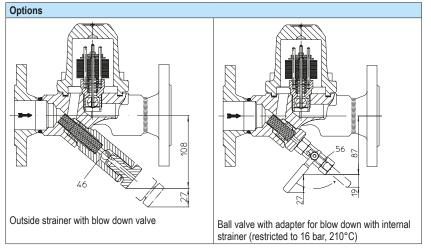


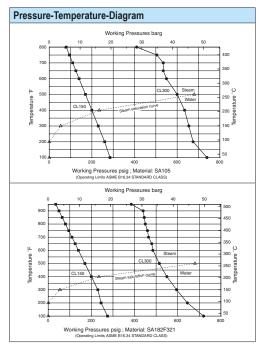
Parts								
Pos.	Sp.p.	Description	Fig. 42./45.600 / 42./45.601	Fig. 52./55.600 / 52./55.601				
1		Body	SA105 SA182F321					
2	х	Strainer	SA240Gr.304					
6		Cover	SA105 SA182F321					
7	х	Strainer	SA240Gr.304					
8	х	Strainer plug	SA182F321					
24	х	Controller, cpl.	TB 102 / 85 (corrosion resistant bimetal)					
26	х	Gasket	Graphite (CrNi laminated with graphite)					
27		Cheese head screw	SA193Gr.B16 (with metric screw-thread)					
46	х	Blow down valve, cpl.	SA182F321					
56	х	Ball valve for blow down (G 3/8")	SA351CF8M					
	L Spar	e parts						

Resistance and fitness must be verified (contact manufacturer for information, refer to Product overview and Resistance list).

Operating and installation instructions can be downloaded at www.ari-armaturen.com.

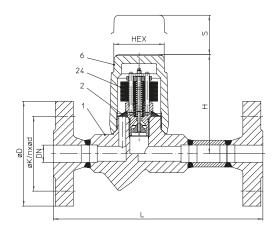








Bimetallic steam trap (Forged steel)



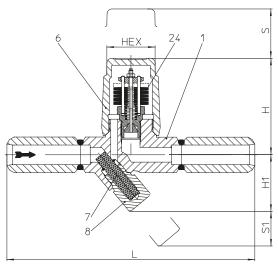


Fig. 600/601....2 with screwed sockets

Fig. 600/601....3 with socket weld ends

Fig. 600/601....4

with butt weld ends

Fig. 600....1 with flanges

Fig. 601....1 with butt weld ends

Figure	Nominal pressure	Material	NPS / Nominal diameter	Operating pressure PS	Inlet temperature TS	allowable differential pressure ΔPMX	for controller		
47.600 / 47.601 (Y) ANSI600 SA105 1/2" - 1" 46 barg 427 °C 46 bar R46									
DIN/EN-Construction	DIN/EN-Constructions refer to data sheet CONA®B								

Types of connection	Other types of connection on request.					
• Flanges1acc. to ASME B16.5						
Screwed sockets2NPT thread acc. to ANSI B1.20.1 or Rp thread acc. to DIN EN 10	226-1					
Socket weld ends3acc. to ASME B16.11						
Butt weld ends4ASME B16.25 (Note restriction on operating pressure / inlet temperature depending to design!)						
Features						
Thermostatic steam trap with non-corrosive and robust water hammer proof bimetallic controller	Installation in any position, except screw cap downwards					
Automatic air-venting during start up and operation of the plant	Subcooling of condensate is continuously adjustable					
Non return protection	(observe the operation instructions)					
• With inside strainer - Fig. 600 / with outside strainer - Fig. 601 (Y)						
Controller						
Controller R46up to inlet pressure: 46 bar						

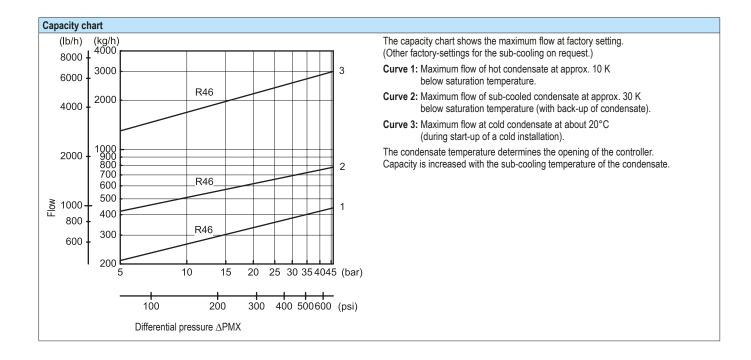
Types of connection	n	Flanges			1	Screwed sockets Socket weld ends			Butt weld ends		
NPS		1/2	3/4	1	1/2	3/4	1	1/2	3/4	1	
Face-to-face acc. to data sheet resp. customer request											
L (Fig. 600/601)	(mm)	210	210	230	0.5	0.5	0.5	250	250	250	
L (Fig. 600)	(mm)	150	150	160	95	95	95	250	250	250	
Dimensions	Dimensions Standard-flange dimensions refer to page 15.										
Н	(mm)	98	98	98	98	98	103	98	98	98	
H1	(mm)	62	62	62	62	62	55	62	62	62	
S	(mm)	70	70	70	70	70	70	70	70	70	
S1	(mm)	30	30	30	30	30	30	30	30	30	
HEX	(mm)	50	50	50	50	50	50	50	50	50	
Weights											
(approx.)	(kg)	3,2	3,7	4,2	1,7	1,6	2,1	2,2	2,3	2,4	

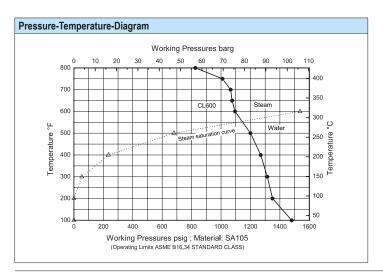


Parts	ırts							
Pos.	Sp.p.	Description	Fig. 47.600 / 47.601					
1		Body	SA105					
2	х	Strainer	SA240Gr.304					
6		Сар	SA105					
7	х	Strainer	SA240Gr.304					
8	х	Strainer plug	SA182F321					
24	х	Controller, cpl.	TB 102 / 85 (corrosion resistant bimetal)					
	L Spare	e parts						

Resistance and fitness must be verified (contact manufacturer for information, refer to Product overview and Resistance list).

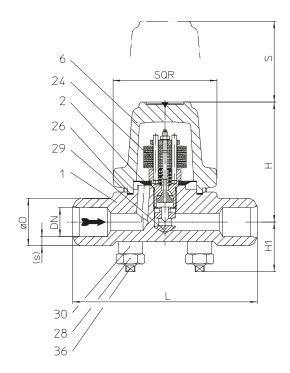
Operating and installation instructions can be downloaded at www.ari-armaturen.com.

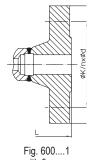






High pressure - Bimetallic steam trap (High temperature steel)





with flanges



Fig. 600....3 with socket weld ends

Fig. 600....4 with butt weld ends

Figure	Nominal pressure	Material	NPS / Nominal diameter	Operating pressure PS	Inlet temperature TS	allowable differential pressure ΔPMX	for controller
96 600	ANICIANO	SA182F12CL2	1/2" - 1"	56 barg	311 °C	- 56 bar	R56
86.600	6.600 ANSI400 S	SA 102F 12UI.2		18 barg	538 °C	oo bar	
				83 barg	321 °C	-0.1	
87.600	ANS600	SA182F12CI.2	1/2" - 1"	56 barg	492 °C	56 bar - 83 bar	R56 R90
				30 barg	538 °C	oo bal	N30
DIN/EN-Constructio	ns refer to data she	eet CONA®B					

Other types of connection on request. Types of connection

acc. to ASME B16.5 · Flanges1

- · Socket weld ends3 _ acc. to ASME B16.11
- · Butt weld ends4 _ASME B16.25 (Note restriction on operating pressure / inlet temperature depending to design!)

Features

- Thermostatic steam trap with non-corrosive and robust water hammer proof bimetallic controller
- · Steam trap specially for high pressures
- · Automatic air-venting during start up and operation of the plant
- Non return protection

- · With inside strainer
- Installation in any position, except cover downwards
- Subcooling of condensate is continuously adjustable (observe the operation instructions)
- The controller maybe changed without disturbing the pipe work

Controller

(for operating range choosable)

· Controller R56 up to inlet pressure: 56 bar · Controller R90 up to inlet pressure: 83 bar

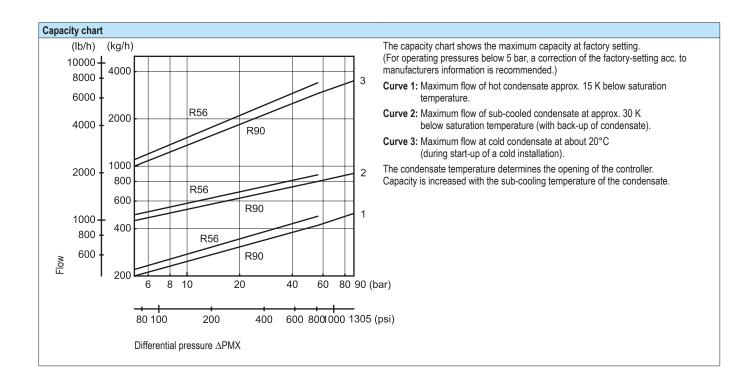
Types of connection			Flanges		S	Socket weld ends			Butt weld ends		
NPS		1/2	3/4	1	1/2	3/4	1	1/2	3/4	1	
Face-to-face acc.	to data sheet	resp. custome	r request								
L	(mm)	210	210	230	160	160	160	160	160	160	
Dimensions								Standard-flan	ge dimensions r	efer to page 15	
Н	(mm)	104	104	104	104	104	104	104	104	98	
H1	(mm)	42	42	42	42	42	42	42	42	42	
S	(mm)	70	70	70	70	70	70	70	70	70	
SQR	(mm)	90	90	90	90	90	90	90	90	90	
Weights											
(approx.)	(kg)	6,1	6,5	9,3	4,3	4,5	4,4	4,6	45	4,4	

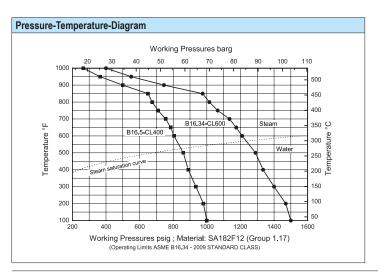


Parts								
Pos.	Sp.p.	Description	Fig. 86.600 / 87.600					
1		Body	SA182F12CI.2					
2	х	Strainer	SA240Gr.304					
6		Cover	SA182F12Cl.2					
24	х	Controller, cpl.	TB 102 / 85 (corrosion resistant bimetal)					
26	х	Gasket	Graphite (CrNi laminated with graphite)					
28		Hexagonal nut	SA194Gr.4 (with metric screw-thread)					
29	х	Erosion deflector	AISI303					
30		Extension sleeve	SA193Gr.B16					
36		Stud	SA193Gr.B16 (with metric screw-thread)					
	L Spare	e parts						

Resistance and fitness must be verified (contact manufacturer for information, refer to Product overview and Resistance list).

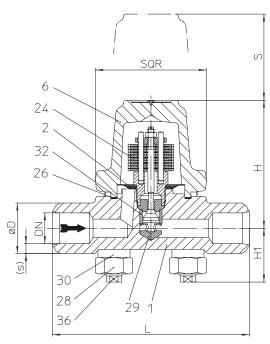
Operating and installation instructions can be downloaded at www.ari-armaturen.com.







High pressure - Bimetallic steam trap (High temperature steel)





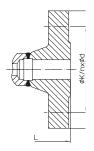


Fig. 600....1 with flanges



Fig. 600....3 with socket weld ends

Figure	Nominal pressure	Material	NPS / Nominal diameter	Operating pressure PS	Inlet temperature TS	allowable differential pressure ΔPMX	for controller	
88.600	ANSI900	SA182F12CI.2	CA100E10CL0	1/2" - 1" /	110 barg	399 °C	- 110 bar	R130
00.000	ANSIBUU		DN15-25	41 barg	538 °C	110 bai	KIOU	
89.600	ANSI1500	C A 100E00CI 2	1/2" - 1" /	150 barg	485 °C	154 bar	R150	
09.000	ANSITOU	SA182F22CI.3	DN15-25	90 barg	538 °C	154 bai	17100	

DIN/EN-Constructions refer to data sheet CONA®B

SA182F91 on request.

Other types of connection on request.

Types of connection

- Flanges1 _____acc. to ASME B16.5
- Socket weld ends3 ____acc. to ASME B16.11
- Butt weld ends4 ______ ASME B16.25 (Note restriction on operating pressure / inlet temperature depending to design!)

Features

- Thermostatic steam trap with non-corrosive and robust water hammer proof bimetallic controller
- Steam trap specially for high pressures
- · Automatic air-venting during start up and operation of the plant
- Non return protection

- · With inside strainer
- Installation in any position, except cover downwards
- Subcooling of condensate is continuously adjustable (observe the operation instructions)
- The controller maybe changed without disturbing the pipe work

Controller

- Controller R130 _____up to inlet pressure: 110 bar
- Controller R150 _____up to inlet pressure: 154 bar

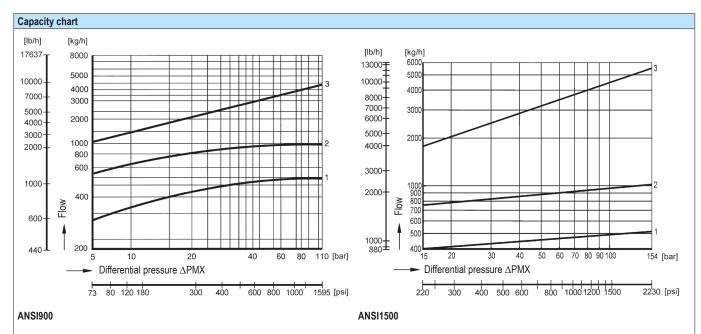
Types of connection		Flanges			Socket weld ends			Butt weld ends		
NPS		1/2	3/4	1	1/2	3/4	1	1/2	3/4	1
Face-to-face acc.	to data sheet	resp. custome	er request							
L	(mm)	210	210	230	160	160	160	160	160	160
Dimensions								Standard-flan	ge dimensions r	refer to page 15
Н	(mm)	104	104	104	104	104	104	104	104	104
H1	(mm)	42	42	42	42	42	42	42	42	42
S	(mm)	70	70	70	70	70	70	70	70	70
SQR	(mm)	90	90	90	90	90	90	90	90	90
Weights										
(approx.)	(kg)	6,4	6,4	9,6	4,8	4,7	4,6	4,8	4,7	4,6



Parts				
Pos.	Sp.p.	Description	Fig. 88.600	Fig. 89.600
1		Body	SA182F12CI.2	SA182F22CI.3
2	х	Strainer	SA240Gr.304	
6		Cover	SA182F12CI.2	SA182F22CI.3
24	х	Controller, cpl.	TB 102 / 85 (corrosion resistant bimetal)	
26	х	Gasket	Graphite (CrNi laminated with graphite)	
28		Hexagonal nut	SA194Gr.4 (with metric screw-thread)	SA453Gr.660b (with metric screw-thread)
29	х	Erosion deflector	AISI303	
30		Extension sleeve	SA193Gr.B16	SA453Gr.660b
32	х	Clamping sleeve	AISI303	
36		Stud	SA193Gr.B16 (with metric screw-thread)	SA453Gr.660b
	L Spar	e parts		

Resistance and fitness must be verified (contact manufacturer for information, refer to Product overview and Resistance list).

Operating and installation instructions can be downloaded at www.ari-armaturen.com.



The capacity chart shows the maximum capacity at factory setting.

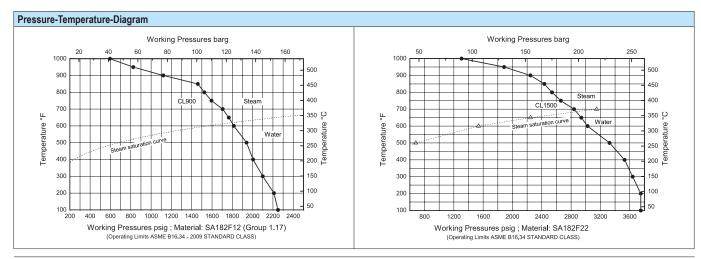
(For operating pressures below 5 bar, a correction of the factory-setting acc. to manufacturers information is recommended.)

Curve 1: Maximum flow of hot condensate approx. 15 K below saturation temperature.

Curve 2: Maximum flow of sub-cooled condensate at approx. 30 K below saturation temperature (with back-up of condensate).

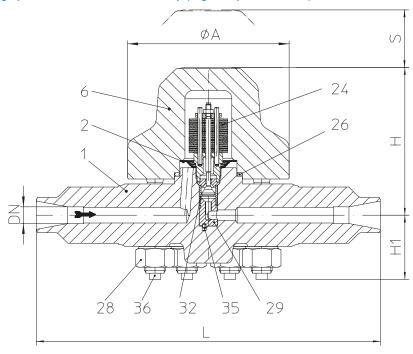
Curve 3: Maximum flow at cold condensate at about 20°C (during start-up of a cold installation).

The condensate temperature determines the opening of the controller. Capacity is increased with the sub-cooling temperature of the condensate.





High pressure - Bimetallic steam trap (High temperature steel)



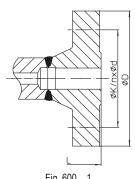


Fig. 600....1 with flanges



Fig. 600....3 with socket weld ends

Fig. 600....4 with butt weld ends

Figure	Nominal pressure	Material	NPS / Nominal diameter	Operating pressure PS	Inlet temperature TS	allowable differential pressure ΔPMX	for controller
	ANSI2500	SA182F22CI.3	1/2" - 1"	270 barg	467 °C		1
8c.600	ANSIZOU	3A 102F22CI.3	1/2 - 1	63 barg	593 °C	270 har	R270
00.000	ANCIDEOD	CA192F01	1/2" - 1"	270 barg	467 °C	467 °C 270 bar	R2/U
	ANSI2500	SA182F91	172 - 1 173 barg 59	593 °C		İ	

DIN/EN-Constructions refer to data sheet CONA®B

Types of connection

• Flanges1 _

acc. to ASME B16.5

Socket weld ends3 _____acc. to ASME B16.11

Butt weld ends4

_ ASME B16.25 (Note restriction on operating pressure / inlet temperature depending to design!)

Features

- Thermostatic steam trap with non-corrosive and robust water hammer proof bimetallic controller
- · Steam trap specially for high pressures
- Automatic air-venting during start up and operation of the plant
- · Non return protection
- Sizing acc. to DIN, Rating acc. to ASME B16.34

- · With inside strainer
- · Installation in any position, except cover downwards
- · Subcooling of condensate is continuously adjustable (observe the operation instructions)

Other types of connection on request.

• The controller maybe changed without disturbing the pipe work

Controller

• Controller R270 up to inlet pressure: 270 bar

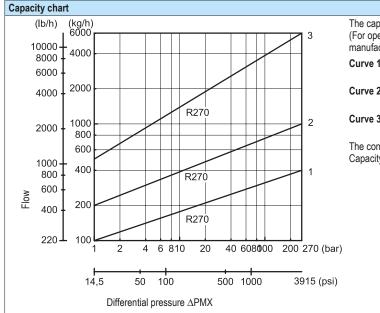
Types of connection		Flanges			S	Socket weld ends			Butt weld ends		
NPS		1/2	3/4	1	1/2	3/4	1	1/2	3/4	1	
Face-to-face acc. t	Face-to-face acc. to data sheet resp. customer request										
L	(mm)	435	460	470	330	330	330	330	330	330	
Dimensions								Standard-flan	ge dimensions r	efer to page 15	
Н	(mm)	135	135	135	135	135	135	135	135	135	
H1	(mm)	63	63	63	63	63	63	63	63	63	
S	(mm)	95	95	95	95	95	95	95	95	95	
Α	(mm)	155	155	155	155	155	155	155	155	155	
Weights											
(approx.)	(kg)	27	29	33	20	20	19	20	20	19	



Parts				
Pos.	Sp.p.	Description	Fig. 8c.600	Fig. 8c.600
1		Body	SA182F22CI.3	SA182F91
2	х	Strainer	SA240Gr.304	
6		Cover	SA182F22CI.3	SA182F91
24	х	Controller, cpl.	TB 102 / 85 (corrosion resistant bimetal)	
26	х	Spiral gasket	MICA/RGF (CrNi laminated with graphite)	
28		Hexagonal nut	SA453Gr.660b (with metric screw-thread)	
29	х	Erosion deflector	SA276Gr.420	
32	х	Clamping sleeve	SA276Gr.420	
35		Taper pin	A2	
36		Stud	SA453Gr.660b (with metric screw-thread)	
	L Spar	e parts		

Resistance and fitness must be verified (contact manufacturer for information, refer to Product overview and Resistance list).

Operating and installation instructions can be downloaded at www.ari-armaturen.com.



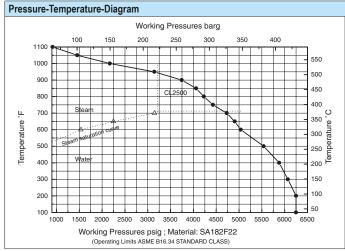
The capacity chart shows the maximum capacity at factory setting. (For operating pressures below 5 bar, a correction of the factory-setting acc. to manufacturers information is recommended.)

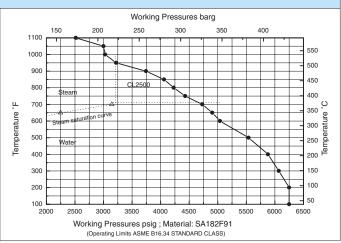
Curve 1: Maximum flow of hot condensate approx. 15 K below saturation temperature.

Curve 2: Maximum flow of sub-cooled condensate at approx. 30 K below saturation temperature (with back-up of condensate).

Curve 3: Maximum flow at cold condensate at about 20°C (during start-up of a cold installation).

The condensate temperature determines the opening of the controller. Capacity is increased with the sub-cooling temperature of the condensate.

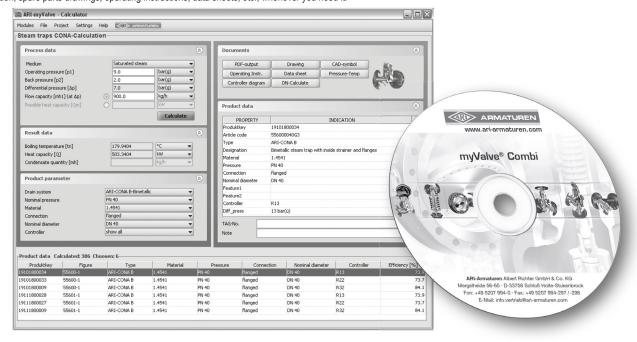






myValve[®] - Ihr VAlve Slzing-Program.

myValve is a powerful software tool that not only helps you size your system components; it also gives you instant access to all other data about the selected product, such as order information, spare parts drawings, operating instructions, data sheets, etc., whenever you need it.



myValve - VAlve Slzing-Program

Contents:

Module ARI-Steam trap CONA-Calcuation

- Sizing (calculation of steam trap systems with given flow capacity or heat capacity)
- Calculation of nominal diameter acc. to given pressure, condensate quantity, condensate sub-cooling and speed

Media:

- Steam (saturated and superheated)
- Compressed air

Special Features

- Project administration of the calculation and product data incl. spare part drawings concerning to project and tag number
- Direct output or calculation and product data in PDF format
- Product data could be taken for a direct order
- SI- and ANSI-units with direct conversion to another databank
- Settings with over pressure or absolute pressure
- All ARI products are integrated in one databank
- Direct access concerning to the product on data sheets, operating instructions, pressure-temperature-diagram and spare part drawings
- Operation in company networks possible (no complex installations on individually PC's necessary)
- Extensive catalogue extending over several product groups

System Requirements:

Windows operating systems, Linux, etc.

Selection criteria:		Example for order data:
Steam pressure	Pipe-connection	
Back pressure	 Controller 	Bimetallic steam trap CONA® B ANSI,
Quantity of condensate	Material	Fig. 600, ANSI300, NPS 1/2", SA105, Controller R22, with flanges,
Nominal diameter / pressure	· Place of service or kind of steam	Face-to-face dimension 150 mm
	consumer	



Informations about pipe welding

Welding groove acc. to ASME B16.25

The material used for ARI valves with butt weld ends are: SA105

SA182F321

Note: SA182F12Cl.2

Note restriction on operating pressure / inlet temperature depending to design! SA182F22Cl.3

SA182F91

Due to our experience, we recommend to apply an electric welding process.

Because of the different material compositions and wall thickness of the steam traps and the pipe gas welding shall not be applied. Quenching cracks and coarse grain structure may develop.

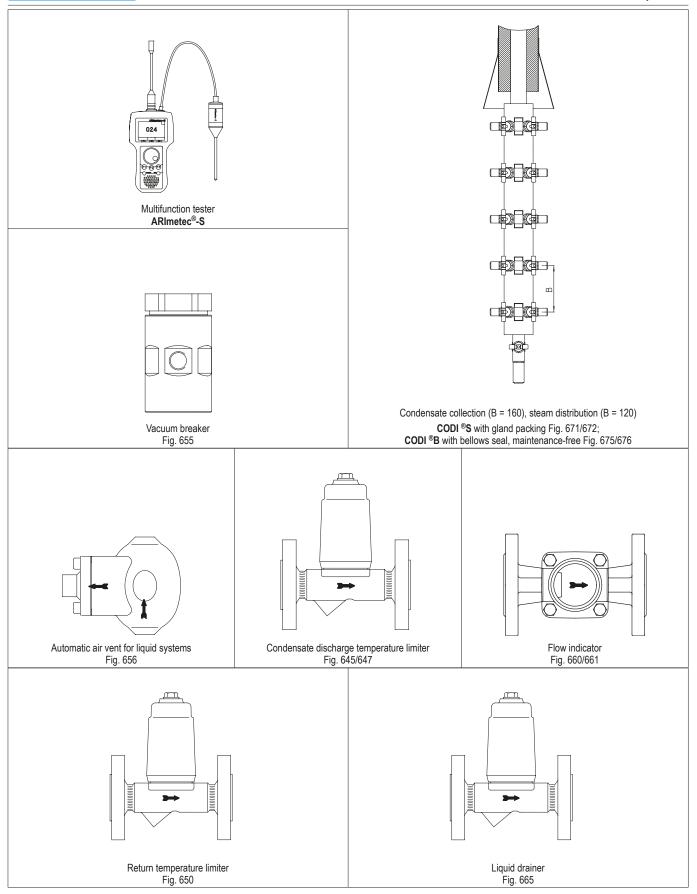
On bimetallic steam traps face-to-face of 95 mm or less, the bimetallic controller has to be disassembled prior to welding. After the traps have cooled down to the ambient temperature the bimetallic controller shall be fitted again into the body.

Steam traps with socket-weld ends shall only be welded by arc welding (welding process 111 acc. to DIN EN 24063).

If during the time of warranty others than the manufacturer or by the manufacturer authorized persons are interfering in the product and/or the setting, the right of claim for warranty will lapse!

	inge uniteris	ions acc. to ASN		2/4	4	4.414	4.410	•
NPS	T	T	1/2	3/4	1	1 1/4	1 1/2	2
	ØD	(mm)	89	99	108	117	127	153
ANSI150	ØK	(mm)	60	70	79	78	98	121
	n x Ød	(mm)	4 x 16	4 x 19				
	ØD	(mm)	95	117	124	133	155	165
ANSI300	ØK	(mm)	66,5	82,5	89	99	114	127
	n x Ød	(mm)	4 x 16	4 x 19	4 x 19	4 x 19	4 x 22	8 x 19
	ØD	(mm)	95	117	127	133	156	165
ANSI400	ØK	(mm)	67	83	89	99	114	127
	n x Ød	(mm)	4 x 16	4 x 19	4 x 19	4 x 19	4 x 22	4 x 19
	ØD	(mm)	95	117	127	133	156	165
ANSI600	ØK	(mm)	67	83	89	99	114	127
	n x Ød	(mm)	4 x 16	4 x 19	4 x 19	4 x 19	4 x 22	4 x 19
	ØD	(mm)	121	130	149			
ANSI900	ØK	(mm)	83	89	102			
	n x Ød	(mm)	4 x 22	4 x 22	4 x 25			
	ØD	(mm)	121	130	149			
ANSI1500	ØK	(mm)	83	89	102			
	n x Ød	(mm)	4 x 22	4 x 22	4 x 25			
	ØD	(mm)	133	140	159			
ANSI2500	ØK	(mm)	89	95	108			
	n x Ød	(mm)	4 x 22	4 x 22	4 x 25			





(Further informations about the accessories can be found in the appropriate data sheets.)







WHG



Technology for the Future.

GERMAN QUALITY VALVES