



ARI-CONAsys® Pre-fabricated Steam Trap Station

- Size Range 1/2" - 1"
- Fully Welded Construction
- Complies with European Pressure equipment Directive 97/23/EC
- Can be used in conjunction with other manufacturers universal Steam Traps
- Easy to Maintain and Install

Description

The CONAsys range of pre fabricated steam trap stations have been designed to provide a convenient, ready to install steam trap system. The standard equipment includes, inlet stop valve, pipeline connector, complete with Y pattern strainer, check valve and outlet globe stop valve. In addition to the standard system the CONAsys range is available with either single or double inlet stop valves. The double inlet stop valve option comes complete with a bleed valve and is available for users wishing to comply with best practice as indicated in the HSE guidance publication.

Benifits

Can be used with various steam traps.
(other manufacturers including Spirax,
Gestra and TLV)
Easy to maintain and install



Description

A Single isolation trapping station for use with all universal steam traps. Pre fabricated for ease of installation and maintenance, this unit offers a globe valve instead of ball valves which is the preferred isolation on trapping stations and recommended by experts. Forged steel with screwed BSP end connections.



Beschreibung

Eine Ableiter-Einzelstation zur Verwendung mit allen Universal-Kondensatableitern. Diese Einheit ist für eine einfache Installation und Wartung vorgefertigt und bietet ein Absperrventil anstelle von Kugelhähnen, was die bevorzugte Isolierung an Fangstationen ist und von Experten empfohlen wird. Geschmiedeter Stahl mit verschraubten BSP-Endanschlüssen.



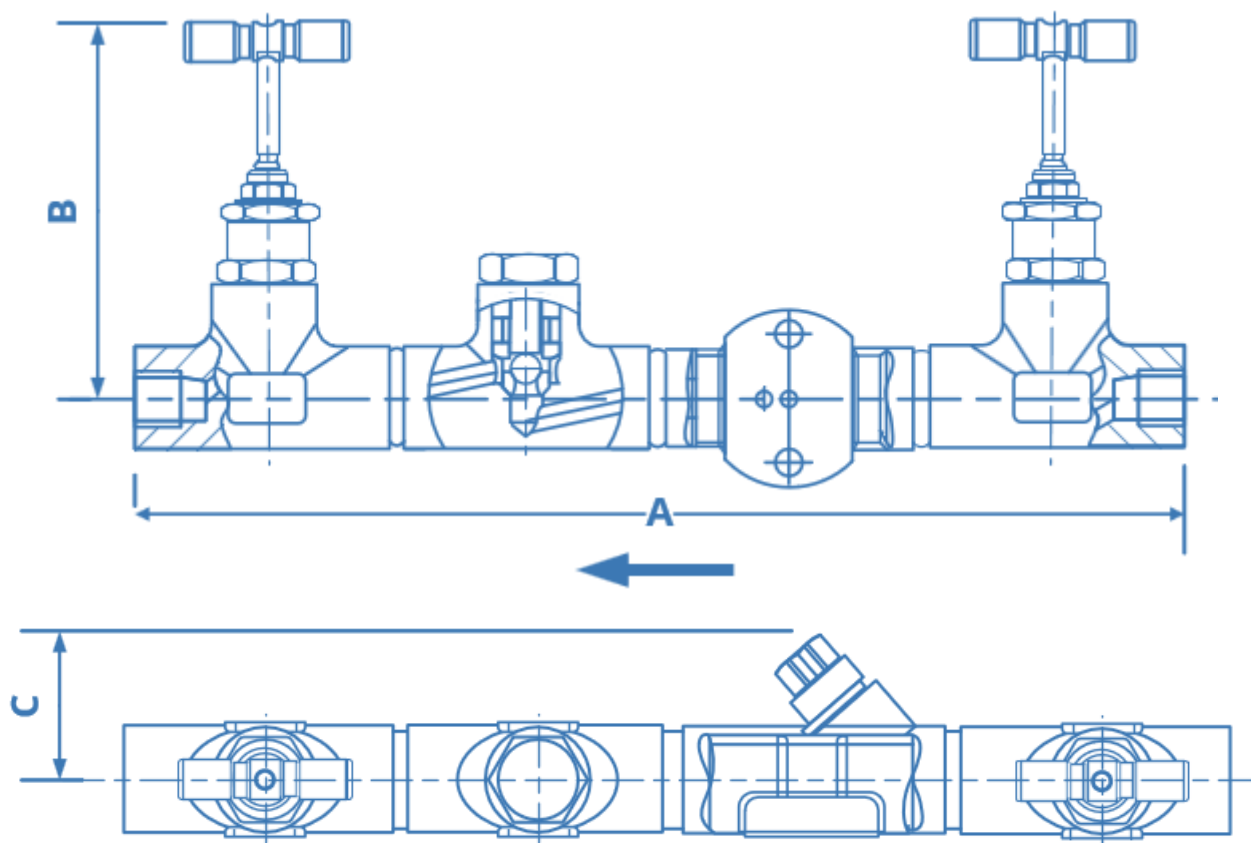
Descripción

Una estación de trampa de aislamiento único para usar con todas las trampas de vapor universales. Prefabricada para facilitar la instalación y el mantenimiento, esta unidad ofrece una válvula de globo en lugar de válvulas de bola, que es el aislamiento preferido en las estaciones de captura y recomendado por expertos. Acero forjado con conexiones finales BSP atornilladas.



Description

Une station de piégeage à isolation unique à utiliser avec tous les purgeurs de vapeur universels. Préfabriquée pour faciliter l'installation et l'entretien, cette unité offre un robinet à soupape au lieu de robinets à tournant sphérique, ce qui est l'isolation préférée sur les stations de piégeage et recommandée par les experts. Acier forgé avec embouts vissés BSP.



Single Upstream Isolation

Dimensions and Weights in mm and Kg (approximate)

	Size	A	B	C	Weight
Gland	1/2"	413	148	54	5
Gland	3/4"	413	148	54	5
Gland	1"	395	148	54	5
Bellows	1/2"	413	181	54	5.6
Bellows	3/4"	413	181	54	5.6
Bellows	1"	413	181	54	5.6

Can be used with



CONA S Ball Float



CONA TD Thermodynamic



CONA M Thermostatic



CONA B Bimetallic

Material of Construction

No	Part	Material
1	Isolation Globe Valve	Forged Steel P250GH, 1.0460
2	Universal Connector	Stainless steel SA351CF8
3	Check Valve	Forged Steel P250GH, 1.0460
4	Isolation Globe Valve	Forged Steel P250GH, 1.0460

System Design Conditions

Nominal Pressure	PN40
Operating Pressure	32 Bar
Operating Temperature	240°C

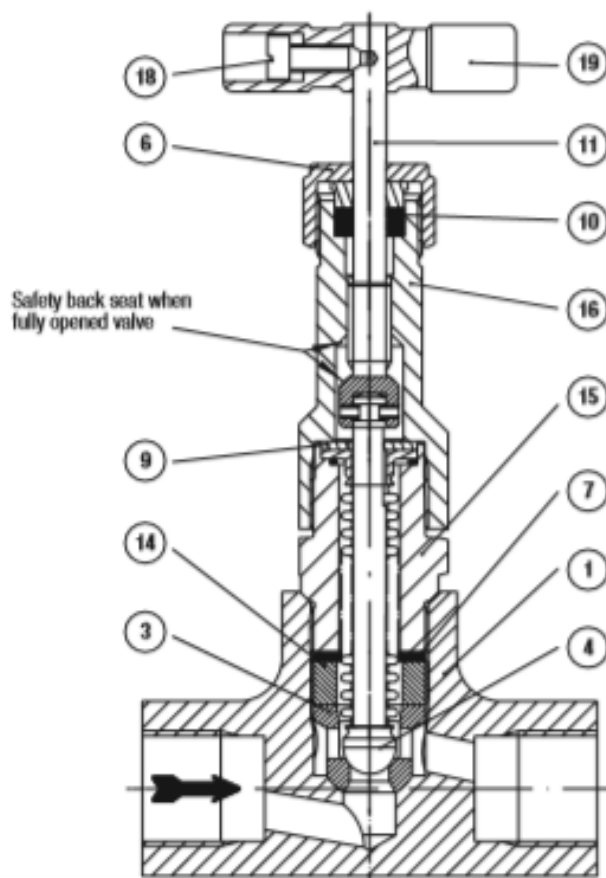
Available Pipe Connections

Screwed BSP
Socket Weld
Butt Weld

All information is sourced from our manufacturer's data and is intended for guidance only - Valves Online can accept no liability for changes, omissions or errors.

ARI-CONAsys® Pre-fabricated steam trap station

Bel lows seal stop valve (Forged steel)



Parts			
Pos.	Sp.p.	Description	Fig. 45.6A2
1		Body	P250GH, 1.0460
3	x	Seal	X8CrNiS18-9, 1.4305
4		Valve ball	X39CrMo17-1+QT, 1.4122+QT
6		Sleeve nut	X14CrMoS17+QT, 1.4104+QT
7		Sealing ring	Graphite
8	x	Assembly stop valve, cpl.	X6CrNiMoTi17-12-2, 1.4571
8.1		Bel lows seal	Stainless steel
9		Removable lock washer	X5CrNi18-10, 1.4301
10	x	Packing ring	Pure graphite
11		Stem	X2CrNiMo17-12-2, 1.4404
14		Bango ball	X8CrNiS18-9, 1.4305
15		Fitting	X8CrNiS18-9, 1.4305
16		Stem guiding	X8CrNiS18-9, 1.4305
18	x	Cylinder screw	A2-70
19	x	Hand grip	X14CrMoS17+QT, 1.4104+QT
		Other interior parts	Stainless steel
		Spare parts	

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ARI-CONAsys® Pre-fabricated steam trap station CONA®B-Universal - Bimetallic steam trap (Stainless steel)

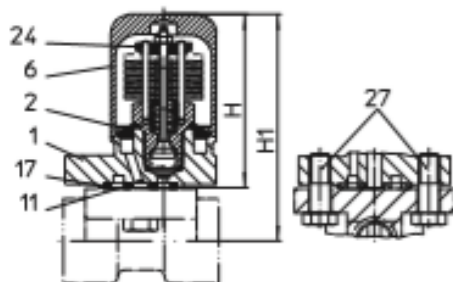


Fig. 604 Universal flange with 2 x 3/8" UNC-thread

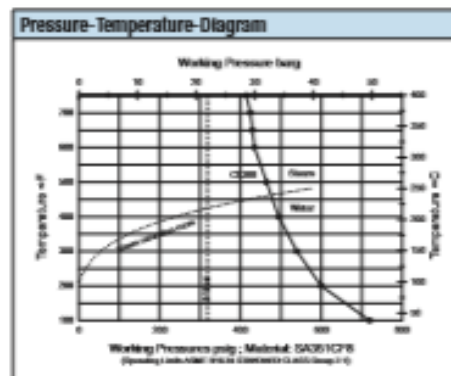


Figure	Nominal pressure	Material	NPS	Operating pressure PS	Inlet temperature TS	max. differential pressure ΔPMX	for controller
55.604	ANSI300	SA351CF8	2 x 3/8"	22 barg	400 °C	22 bar	R22

Types of connection

- Universal flange 2 x 3/8" UNC-thread

Features

- Resistant to waterhammer, corrosive condensate and frost
- Good air venting capacity
- Non return protection
- Inside strainer
- Two bolt connector for quick and simple maintenance

Types of connection

Universal flange

NPS 2 x 3/8"

Dimensions

H	(mm)	82
H1	(mm)	acc. to connector type

Weights

(approx.)	(kg)	0,8
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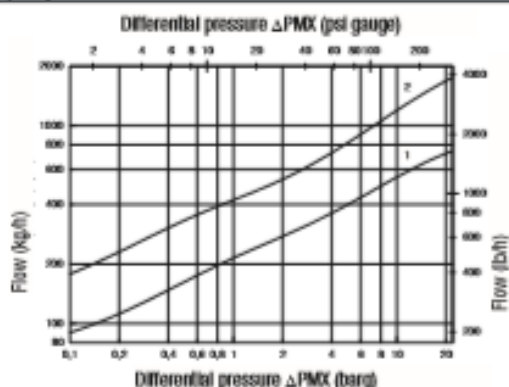
Parts

Pos.	Ers.	Description	Fig. 55.604
1	x (opt. unit)	Body	SA351CF8
2		Strainer	SA240Gr.304
6		Cap	SA182F321
11		Sealing ring (spiral wounded gasket)	Metalflex (with Graphite)
17		Sealing ring (spiral wounded gasket)	Metalflex (with Graphite)
24		Controller	corrosion resistant bimetal TB 102 / 85
27		Hexagon screw	SA193Gr.B16
Spare parts			

Information / restriction of technical rules need to be observed!

Resistance and fitness must be verified (or contact the manufacturer for information).

Capacity chart



The capacity chart shows the maximum capacity at factory setting.

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

Curve 2: 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.

ARI-CONAsys® Pre-fabricated steam trap station CONA®M-Universal - Thermostatic steam trap (Stainless steel)

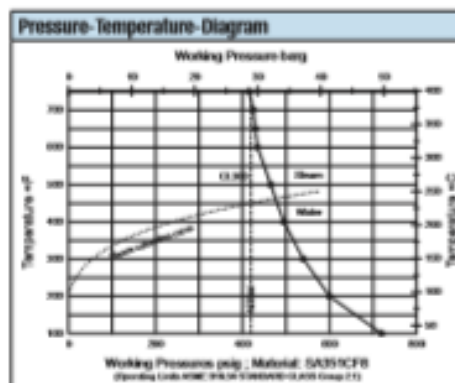
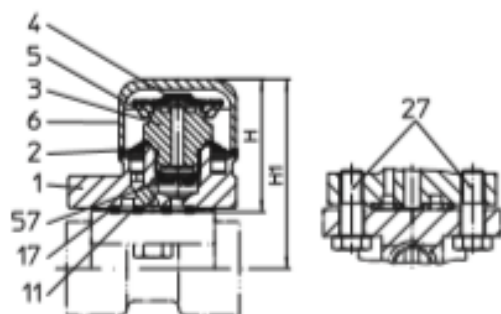


Fig. 622 Universal flange with 2 x 3/8" UNC-thread

Figure	Nominal pressure	Material	NPS	Operating pressure PS	Inlet temperature TS	max. differential pressure ΔPMX	for controller
55.622	ANSI300	SA351CF8	2 x 3/8"	29 barg	400 °C	29 bar	R32

Types of connection

- Universal flange 2 x 3/8" UNC-thread

Features

- Resistant to waterhammer, corrosive condensate and frost
- Operates below steam saturation temperature
- Good air venting capacity
- Non return protection
- Inside strainer
- Two bolt connector for quick and simple maintenance

Types of connection	Universal flange
NPS	2 x 3/8"

Dimensions

H	(mm)	54
H1	(mm)	acc. to connector type

Weights

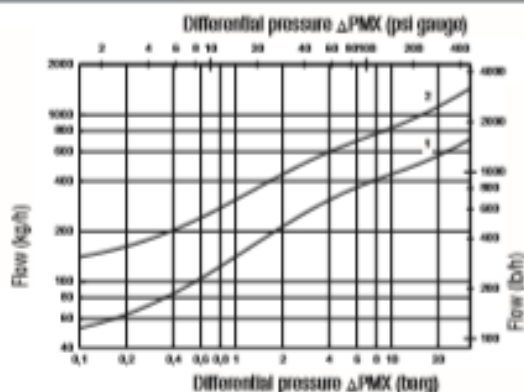
(approx.)	(kg)	0,6
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Parts

Pos.	Ers.	Description	Fig. 55.622
1	x (opt. unit)	Body	SA351CF8
2		Strainer	SA240Gr.304
3		Seal	AE3303
4		Capsule B (Diaphragm / Capsule)	Hastelloy / SA240Gr.304
5		Spring actuated clip	AE3301
6		Cap	SA182F321
11		Sealing ring (spiral wounded gasket)	Metaflex (with Graphite)
17		Sealing ring (spiral wounded gasket)	Metaflex (with Graphite)
27		Hexagon screw	SA193Gr.B16
57		Non return protection	SA240Gr.304
Spare parts			

Information / restriction of technical rules need to be observed!
Resistance and fitness must be verified (or contact the manufacturer for information).

Capacity chart



The capacity chart shows the maximum flow rates.

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

Curve 2: Maximum flow of cold condensate at about 20 °C (during start-up of a cold installation).

ARI-CONAsys® Pre-fabricated steam trap station CONA®S-Universal - Ball float steam trap (Stainless steel)

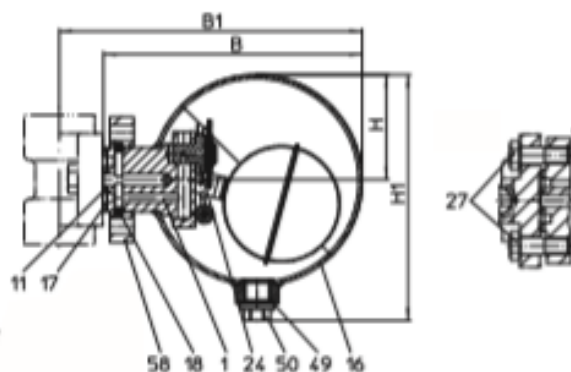


Fig. 628 Uni-
flange with 2
UNC-threads

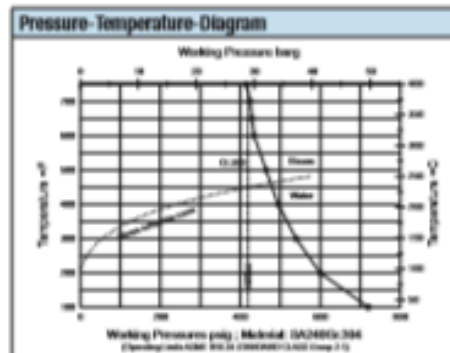


Figure	Nominal pressure	Material	NPS	Operating pressure PS	Inlet temperature TS	max. differential pressure ΔPMX	for controller
55.628	ANSI300	Body: SA182F321 / Hood: SA240Gr.304	2 x 3/8"	29 barg	400 °C	29 bar	IR32

Types of connection

- Universal flange 2 x 3/8" UNC-threads

Features

- Resistant to waterhammer, corrosive condensate
- Good air venting capacity
- Responds immediately to wide and sudden changes in load
- Two bolt connector for quick and simple maintenance
- Installation with drain plug pointing down

Types of connection	Universal flange
NPS	2 x 3/8"

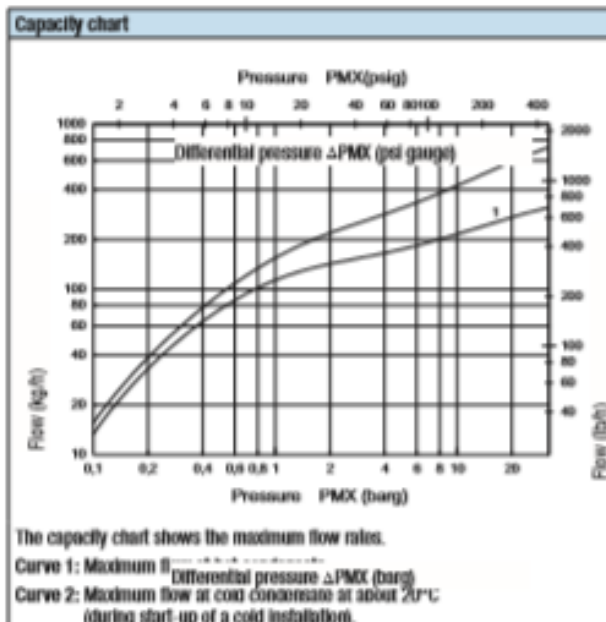
Dimensions

H	(mm)	58
H1	(mm)	134
B	(mm)	140
B1	(mm)	acc. to connector type

Weights	(approx.)	(kg)	1,4
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Pos.	Ens.	Description	Material, Material-Nr.
1		Body	SA182F321
11	X	Sealing ring (spiral wounded gasket)	Metalex (with Graphite)
16		Hood	SA240Gr.304
17	X	Sealing ring (spiral wounded gasket)	Metalex (with Graphite)
18		Retaining ring	A4
24		Retaining ring B, kpl.	SA240Gr.304 / Hastelloymembran
27		Hexagon screw	SA193Gr.816
49	X	Sealing ring for Plug	A4
50	X	Plug (M14x1,5)	SA182F321 (with metric screw-thread)
58		Loose flange	SA182F321
Spare parts			

Information / restriction of technical rules need to be observed!
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ARI-CONAsys® Pre-fabricated steam trap station CONA®TD-Universal - Thermodynamic steam trap (Stainless steel)

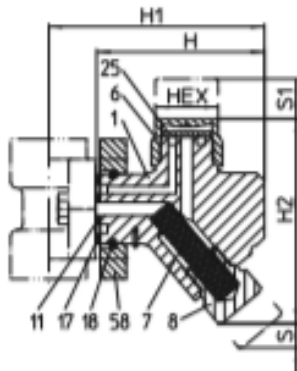


Fig. 643 with outside strainer
Universal flange with 2 x 3/8" UNC-thread

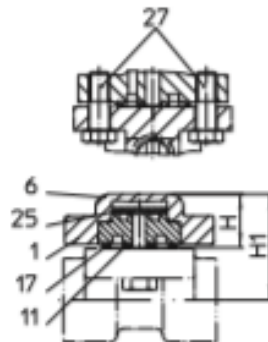


Fig. 642 without strainer
Universal flange with 2 x 3/8" UNC-thread

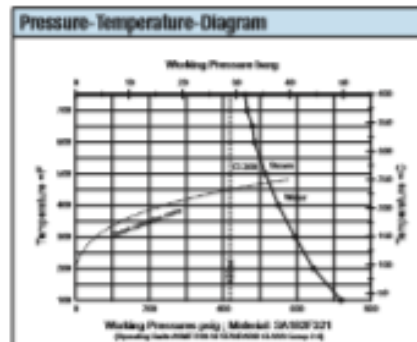


Figure	Nominal pressure	Material	NPS / Nominal diameter	Operating pressure PS	Inlet temperature TS	max. differential pressure ΔPMX	permissible pressure ratio
55.642	ANS300	SA276Gr.420	2 x 3/8"	29 barg	400 °C	29 bar	Back pressure / inlet press. $\leq 0,8$ barg
55.643 (Y)	ANS300	SA182F6 A	2 x 3/8"	29 barg	400 °C	29 bar	

Types of connection	
• Universal flange 2 x 3/8" UNC-thread	
Features	
• Resistant to waterhammer, corrosive condensate and frost	• Compact design
• Inside strainer	• Two bolt connector for quick and simple maintenance

Types of connection	Universal flange
NPS	2 x 3/8"

Dimensions		Fig. 55.642	Fig. 55.643
H	(mm)	24	84
H1	(mm)	acc. to connector type	
H2	(mm)	—	103
S	(mm)	—	45
S1	(mm)	—	20
HEX	(mm)	—	32

Weights	
(approx.)	(kg)
	0,4
	1,3

Parts				
Pos.	Ers.	Description	Fig. 55.642	Fig. 55.643
1		Body	SA276Gr.420	SA182F6 A
6		Cap	SA276Gr.420	SA182F321
7	X	Strainer (Y)	—	SA240Gr.304
8	X	Strainer plug (Y)	—	SA182F321
11	X (opt. unit)	Sealing ring (spiral wounded gasket)	Metallex (with Graphite)	
17		Sealing ring (spiral wounded gasket)	Metallex (with Graphite)	
18		Retaining ring	—	A4
25		Disc	AISI440	
27		Hexagon screw	SA193Gr.B16	
58		Loose flange	—	SA182 F321
Spare parts				

Information / restriction of technical rules need to be observed!
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