



ARI-CONAsys® Pre-fabricated Steam Double Trap Station

- Size Range 1/2" - 1"
- Fully Welded Construction
- Complies with European Pressure equipment Directive 97/23/EC
- Can be used with many Steam Traps
- Easy to Maintain and Install
- Safety Bleed Valve Fitted

Description

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

Benefits

Can be used with various steam traps, from ARI Armaturen which include ball float, thermodynamic, thermostatic and bimetallic. The unique universal mounting pad accommodates various manufacturers. Easy to maintain and install.



Description

The ARI-CONAsys is a pre fabricated double trapping station built for ease of installation, maintenance and above all safety. The unit features a safety bleed globe valve, isolation globe valves, strainer and non return valve. The universal mounting plate accommodates a full range of steam traps manufactured by ARI and other leading manufacturers.



Beschreibung

Die ARI-CONAsys ist eine vorgefertigte Doppelfangstation, die für einfache Installation, Wartung und vor allem Sicherheit gebaut wurde. Das Gerät verfügt über ein Sicherheitsablassventil, Absperrventile, ein Sieb und ein Rückschlagventil. Die universelle Montageplatte nimmt eine vollständige Palette von Kondensatableitern auf, die von ARI und anderen führenden Herstellern hergestellt werden.



Descripción

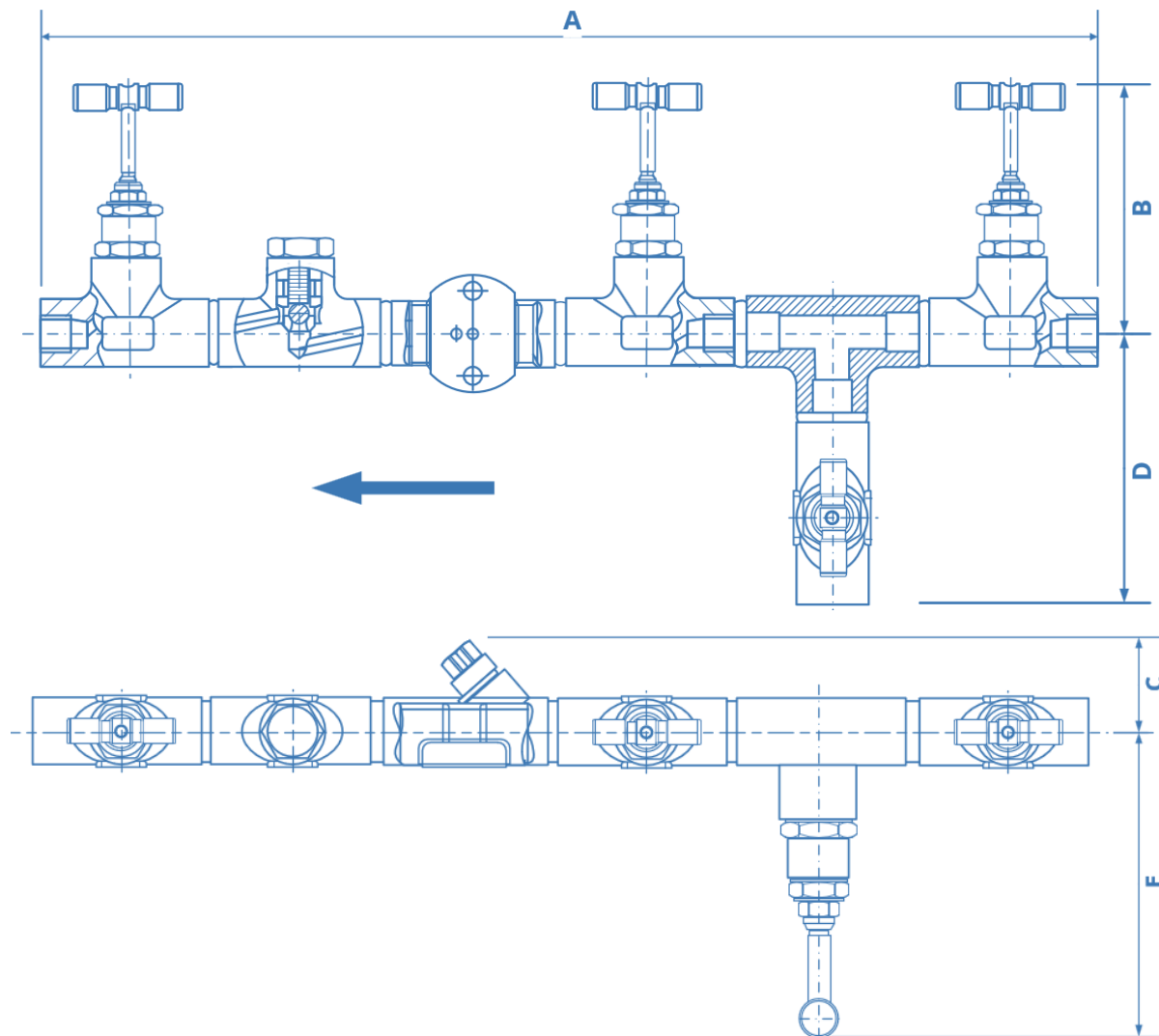
El ARI-CONAsys es una estación de captura doble prefabricada construida para facilitar la instalación, el mantenimiento y, sobre todo, la seguridad. La unidad cuenta con una válvula de globo de purga de seguridad, válvulas de globo de aislamiento, filtro y válvula de retención. La placa de montaje universal se adapta a una gama completa de trampas de vapor fabricadas por ARI y otros fabricantes líderes.



Description

L'ARI-CONAsys est une station de piégeage double préfabriquée conçue pour faciliter l'installation, la maintenance et surtout la sécurité. L'unité comprend une vanne à soupape de purge de sécurité, des vannes à soupape d'isolement, une crépine et un clapet anti-retour. La plaque de montage universelle s'adapte à une gamme complète de purgeurs de vapeur fabriqués par ARI et d'autres grands fabricants.

TS1181



Double Upstream Isolation and Bleed

	Size	A	B	C	D	E	Weight kg
Gland	1/2"	668	148	54	151	148	9
Gland	3/4"	668	148	54	151	148	9
Gland	1"	668	148	54	151	148	9
Bellows	1/2"	668	181	54	151	181	10.2
Bellows	3/4"	668	181	54	151	181	10.2
Bellows	1"	668	181	54	151	181	10.2

Available Pipe Connections

Screwed BSP
Socket Weld
Butt Weld

System Design Conditions

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

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.

Material of Construction

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

Can be used with



**CONA S Ball
Float**



**CONA TD
Thermodynamic**



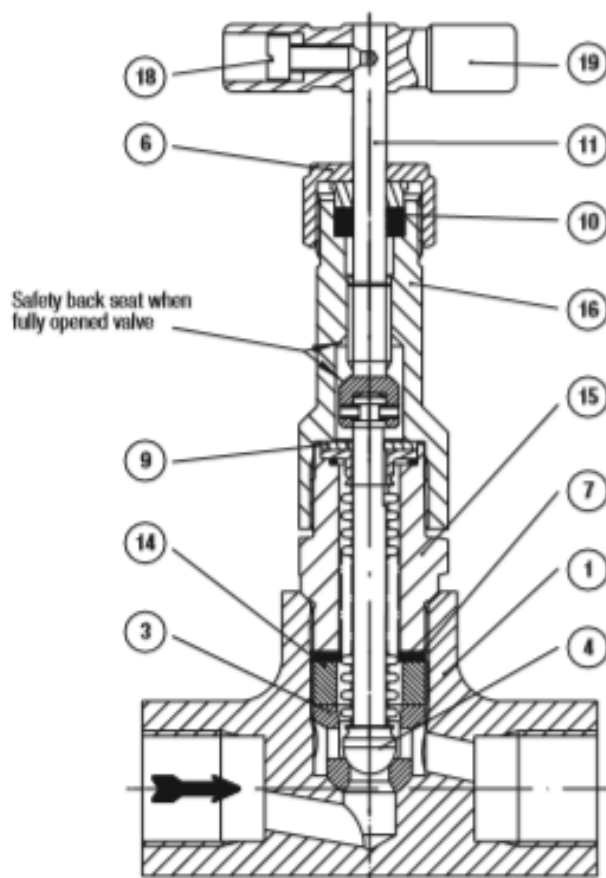
**CONA M
Thermostatic**



**CONA B
Bimetallic**

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		Banjo 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	

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 CONA®B-Universal - Bimetallic steam trap (Stainless steel)

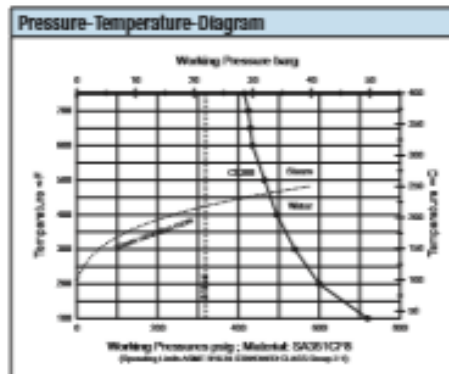
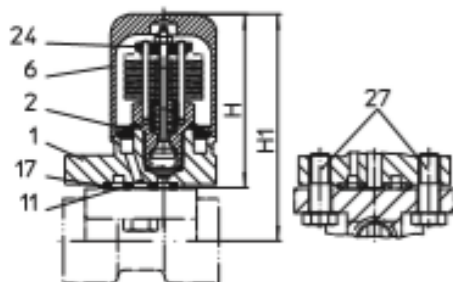


Fig. 604 Universal flange with 2 x 3/8" UNC-thread

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
-----------	------	-----

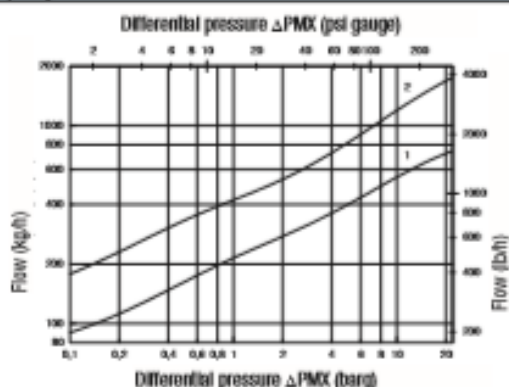
Parts

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)

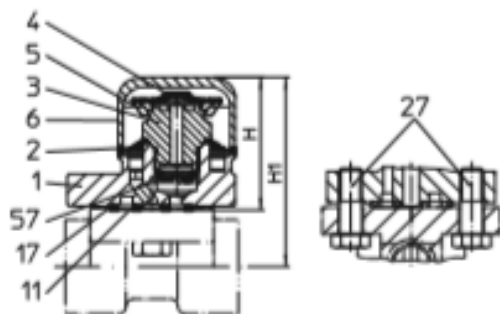


Fig. 622 Universal flange with 2 x 3/8" UNC-thread

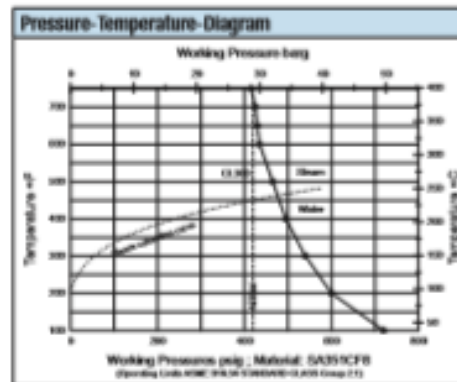


Figure	Nominal pressure	Material	NPS	Operating pressure PS	Inlet temperature TS	max. differential pressure ΔPMX	for controller
55.622	ANSI300	SA351CF8	2 x 3/8"	29 barg	400 °C	29 bar	R32

Types of connection							
• Universal flange 2 x 3/8" UNC-thread							
Features							
• Resistant to waterhammer, corrosive condensate and frost				• Non return protection			
• Operates below steam saturation temperature				• Inside strainer			
• Good air venting capacity				• Two bolt connector for quick and simple maintenance			

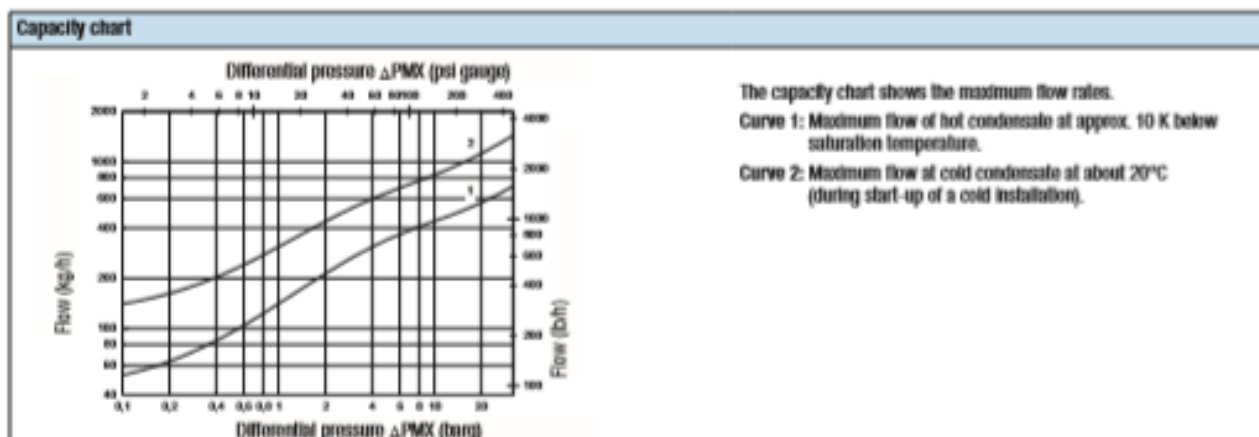
Types of connection	Universal flange						
NPS	2 x 3/8"						

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

Weights							
(approx.)	(kg)	0,6					

Parts			
Pos.	Ers.	Description	Fig. 55.622
1	x (opt. unit)	Body	SA351CF8
2		Strainer	SA240Gr.304
3		Seal	AES303
4		Capsule B (Diaphragm / Capsule)	Hastelloy / SA240Gr.304
5		Spring actuated clip	AES301
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).



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 CONA®S-Universal - Ball float steam trap (Stainless steel)

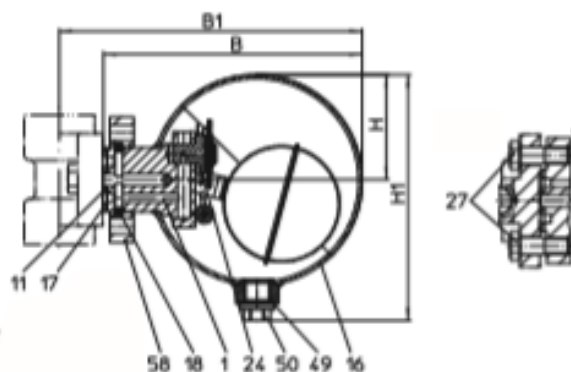


Fig. 628 Uniur flange with 2 UNC-thread

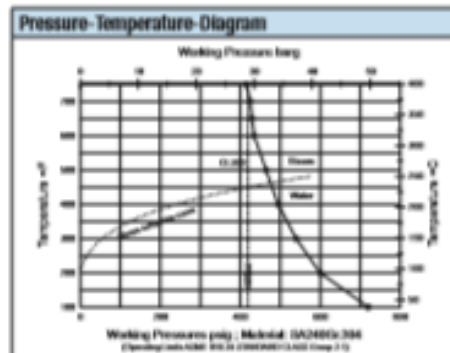


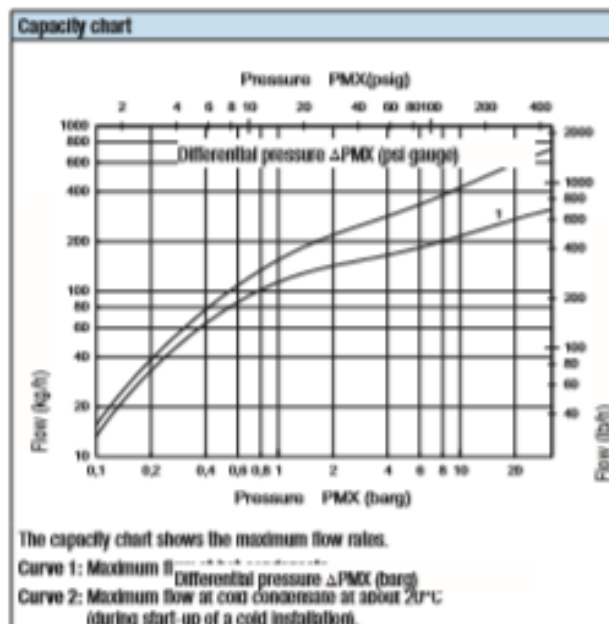
Figure	Nominal pressure	Material	NPS	Operating pressure PS	Inlet temperature TS	max. differential pressure ΔPMX	for controller
55.628	ANSI300	Body: SA182F321 / Hood: SA240Gr.304	2 x 3/8"	29 barg	400 °C	29 bar	RI32

Types of connection							
• Universal flange 2 x 3/8" UNC-thread							
Features							
• Resistant to waterhammer, corrosive condensate				• Two bolt connector for quick and simple maintenance			
• Good air venting capacity				• Installation with drain plug pointing down			
• Responds immediately to wide and sudden changes in load							

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

Parts			
Pos.	Ens.	Description	Material, Material-Nr.
1		Body	SA182F321
11	X	Sealing ring (spiral wounded gasket)	Metalflex (with Graphite)
16		Hood	SA240Gr.304
17	X	Sealing ring (spiral wounded gasket)	Metalflex (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!
Resistance and fitness must be verified (or contact the manufacturer for information).



ARI-CONAsys® Pre-fabricated steam trap station CONA®TD-Universal - Thermodynamic steam trap (Stainless steel)

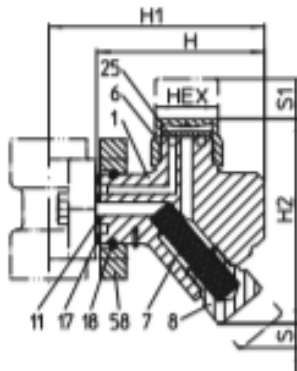


Fig. 643 with outside strainer
Universal flange with 2 x 3/8" UNC-thread

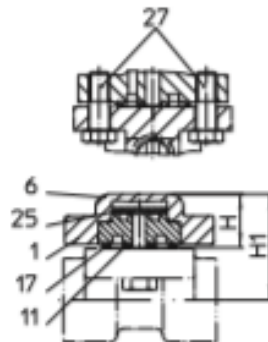


Fig. 642 without strainer
Universal flange with 2 x 3/8" UNC-thread

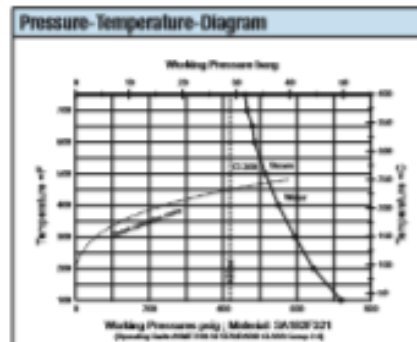


Figure	Nominal pressure	Material	NPS / Nominal diameter	Operating pressure PS	Inlet temperature TS	max. differential pressure ΔPMX	permissible pressure ratio
55.642	ANSI300	SA276Gr.420	2 x 3/8"	29 barg	400 °C	29 bar	Back pressure / inlet press. $\leq 0,8$ barg
55.643 (Y)	ANSI300	SA182F6 A	2 x 3/8"	29 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!
Resistance and fitness must be verified (or contact the manufacturer for information).

