GESTRA Steam Systems

UNA 23
UNA 25
UNA 26
UNA 27

EN
English

Installation Instructions 810516-09

Steam Traps
UNA 23, UNA 25, UNA 26, UNA 26h Stainless Steel, UNA 27h

Contents

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Important Notes

Usage for the intended purpose

UNA 23, UNA 25:
Use the steam traps only for the discharge of condensed steam within the admissible pressure/temperature ratings, and check the chemical resistance and suitability of the trap for the application in question.

UNA 26, UNA 26h stainless steel, UNA 27h:
Use the steam traps only for the discharge of condensates, liquids and condensable gases in pipes. Use the equipment only within the specified pressure and temperature ratings and check the corrosion resistance and chemical suitability of the trap for the application in question.

Safety note

The equipment must only be installed and commissioned by qualified staff.
Maintenance, retrofitting and service work must only be performed by adequately trained persons who have a recognised level of competence.

Danger

The steam trap is under pressure during operation.
When loosening flanged connections, sealing plugs or the regulator hot water, steam, corrosive liquids or toxic gases may escape. This presents the danger of severe burns and scalds to the whole body or severe cases of poisoning.
Installation and maintenance work must only be carried out when the system is depressurized. Isolate the trap from both upstream and downstream pressure.
The steam trap becomes hot during operation. This presents the risk of severe burns to hands and arms. Installation and maintenance work should only be carried out at room temperatures.
Sharp edges on internals present a danger of cuts to hands. Always wear industrial gloves when replacing the regulating unit.

Attention

The name plate indicates the technical specification of the equipment.
Do not commission or operate a steam trap without name plate.

PED (Pressure Equipment Directive)

The equipment fulfills the requirements of the Pressure Equipment Directive PED 97/23/EC.
UNA 23 and UNA 25 for applications with fluids of group 2;
UNA 26, UNA 26h stainless steel and UNA 27h for applications with fluids of group 1 and 2.
With CE marking (apart from equipment according to section 3.3).

ATEX (Atmosphère Explosible)

The equipment does not have its own potential source of ignition and is therefore not subject to the ATEX Directive 94/9/EC. The equipment can be used in potentially explosive areas 0, 1, 2, 20, 21, 22 (1999/92/EC). The equipment is not Ex marked.

Explanatory Notes

Scope of supply

UNA 2.. with control unit SIMPLEX / SIMPLEX-MAX
1 Steam trap UNA 2..
1 Hand vent valve with gasket (supplied but not fitted)
1 Float lifting lever (optional extra) for manual purging
1 Installation manual

UNA 2.. with control unit DUPLEX / DUPLEX-MAX
1 Steam trap UNA 2..
1 Hand vent valve with gasket (supplied but not fitted)
1 Float lifting lever (optional extra) for manual purging
1 Installation manual

Description

UNA 2.. are ball float traps with rolling ball closing mechanisms (control unit SIMPLEX / DUPLEX) or with bellows-type closing mechanism (control units SIMPLEX-MAX / DUPLEX-MAX). The steam traps work independently of back pressure, thus ensuring universal application.

The steam trap UNA 2.. features a body with bolted cover and a regulating unit. The component parts can be exchanged after removing the cover but without having to take the equipment out of the pipe (easy in-line maintenance). Different control units are available for the steam traps.

The regulating unit **SIMPLEX** is a level-dependent float-actuated control unit and particularly well suited for cold condensate and superheated steam. The regulating unit **DUPLEX** is a float-actuated control unit for temperature-dependent and automatic deaeration of saturated steam systems.

The regulating unit **SIMPLEX-MAX** is a level-dependent float-actuated control unit for large condensate flowrates and particularly well suited for cold condensate and superheated steam. The regulating unit **DUPLEX-MAX** is a float-actuated control unit for large condensate flowrates and suitable for the temperature-dependent and automatic deaeration of saturated steam systems.

UNA 2...h for installation in horizontal lines
UNA 2...v for installation in vertical lines

The steam trap UNA 23 h/v is also available with an integrated sightglass cover for level indication.

Explanatory Notes – continued –

Function

The ball valve of the control unit is operated by the float as a function of the condensate level in the trap. The cross-sectional area (CSA) of the orifice dictates the max. flowrate when the valve is completely open. The max. admissible differential pressure of the control unit is a function of the CSA of the orifice and the density of the fluid to be discharged, and limited by the specified pressure / temperature ratings of the trap body. There are different closing units (orifices) available which can also be exchanged subsequently.

Float traps equipped with control units DUPLEX, DUPLEX-MAX enable automatic temperature-dependent deaeration of saturated steam systems during start-up and continuous operation.

Design

UNA 23h, UNA 25h, UNA 26h, UNA 26h stainless steel:
for installation in horizontal pipes

UNA 23v, UNA 25v, UNA 26v:
for installation in vertical pipes

UNA 23h, UNA 23v:
with integrated sightglass cover (water level indicator)

Technical Data

UNA 23h/v, UNA 25h/v, UNA 26h/v, UNA 27h

Orifices (O) (Seat design)	Max. admissible differential pressure ΔPMX [1] [2) [bar]	[psi]	UNA 23h/v	UNA 25h/v UNA 26h/v UNA 26h stainless steel	UNA 27h
0 2	2	29.0	●	●	
0 4	4	58.0	●	●	
0 4 MAX	4	58.0	●	●	
0 8	8	116.0	●	●	
0 8 MAX	8	116.0	●	●	
0 13	13	188.5	●	●	
0 13 MAX	13	188.5	●	●	
0 16	16	232.0			●
0 22	22	319.1		●	
0 22 MAX	22	319.1		●	
0 28	28	406.1			●
0 32	32	464.1		●	
0 32 MAX	32	464.1		●	
0 45	45	652.6			●

[1] Observe pressure/temp. specifications.
[2] **Inlet** pressure minus **outlet** pressure.

Pressure / temperature ratings

UNA 2... without sightglass cover:
For pressure / temperature ratings see indications on trap body or name plate: pressure class PN / Class, material number, max. temperature, max. pressure, max. differential pressure.

UNA 23h/v: max. admissible temperature: 300 °C

UNA 25h/v: max. admissible temperature: 350 °C

UNA 26h stainless steel: max. admissible temperature: 300 °C

UNA 26h/v: max. admissible temperature: 400 °C

UNA 23h/v with sightglass cover: max. admissible temperature: 240 °C
Reduced temperature limits for sightglass cover with integrated reflexion water level indicator.
If the pH value is above 9.0 and the fluid temperature exceeds 200 °C the glass will get more wear.

Corrosion resistance

When used for its intended purpose the safe functioning of the steam trap will not be impaired by corrosion.

Sizing

The trap body must not be subjected to pulsating stress. The dimensional allowances for corrosion and the anti-corrosion additives reflect the latest state of the art.

Technical Data – continued –

Name plate / marking

For pressure and temperature ratings and the type of orifice see indications on trap body or name plate.

According to EN 19 the name plate must specify:

- Manufacturer
- Type designation
- Pressure class PN or Class
- Material number
- Max. temperature
- Stamp on name plate, e. g. $\frac{4}{08}$ specifies the manufacturing year and the quarter, in this case the 4th quarter in 2008.

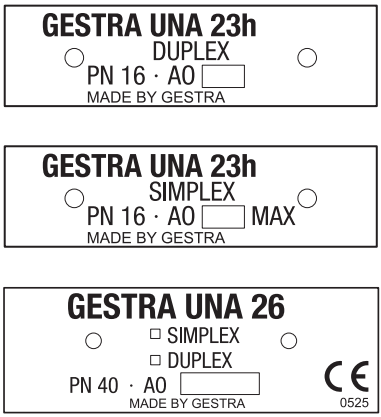

Fig. 1

Design

Component parts UNA 23h, UNA 25h, UNA 26h

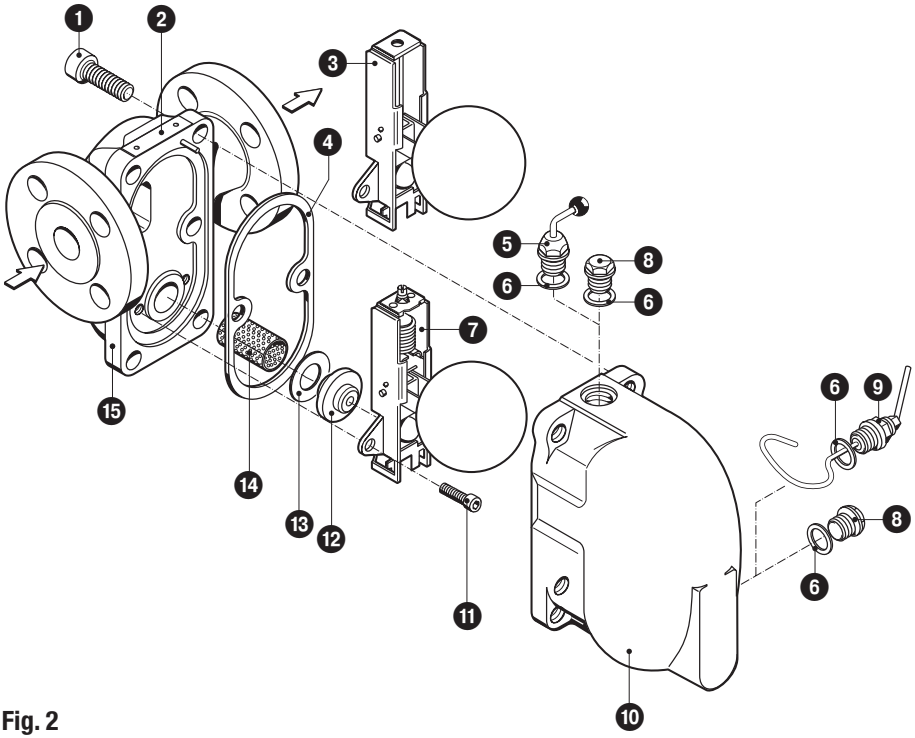

Fig. 2

Design – continued –

Component parts UNA 23v, UNA 25v, UNA 26v, UNA 23h/v (sightglass cover)

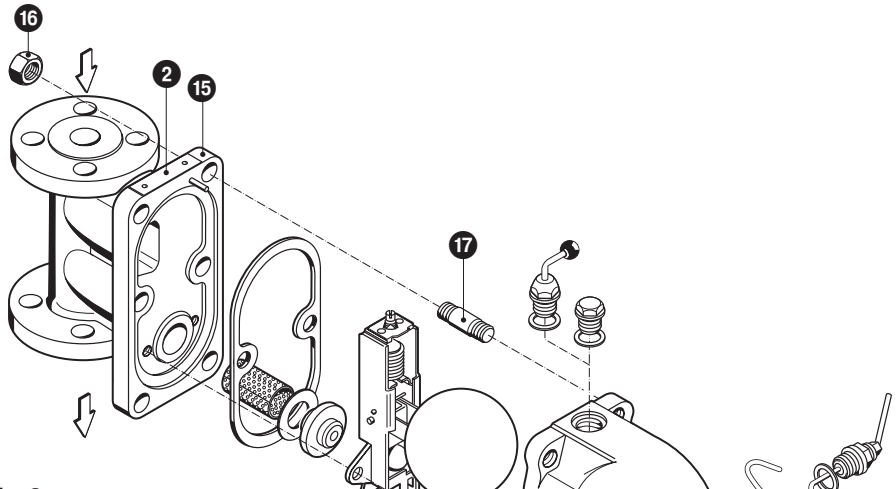

Fig. 3

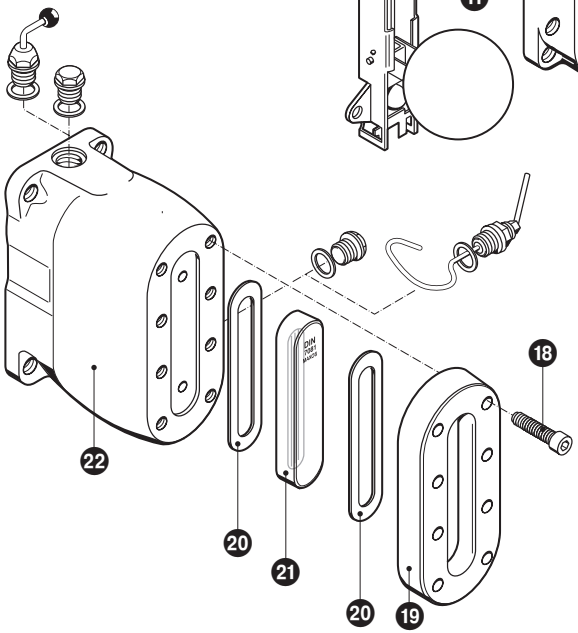

Fig. 4

Component parts UNA 23h max, UNA 25h max, UNA 26h max

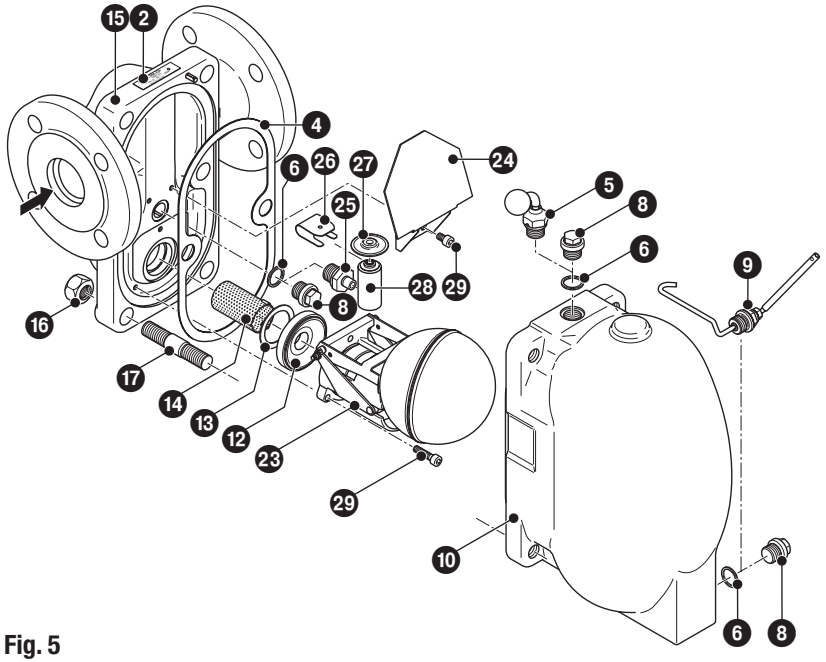

Fig. 5

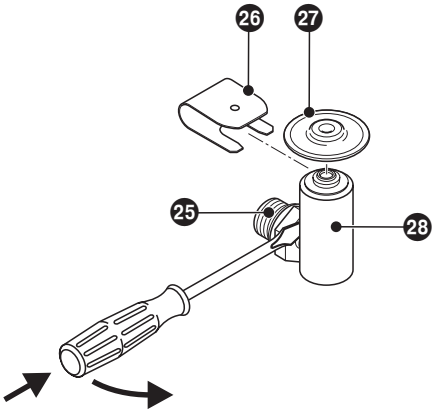

Fig. 6

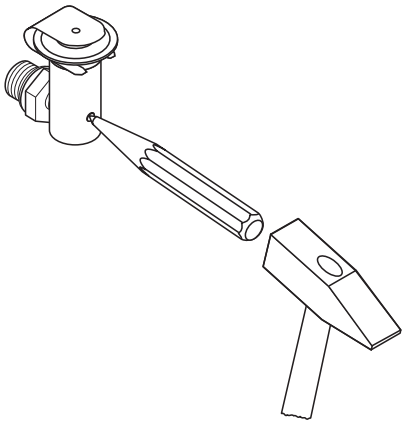

Fig. 7

Component parts UNA 23v max, UNA 25v max, UNA 26v max

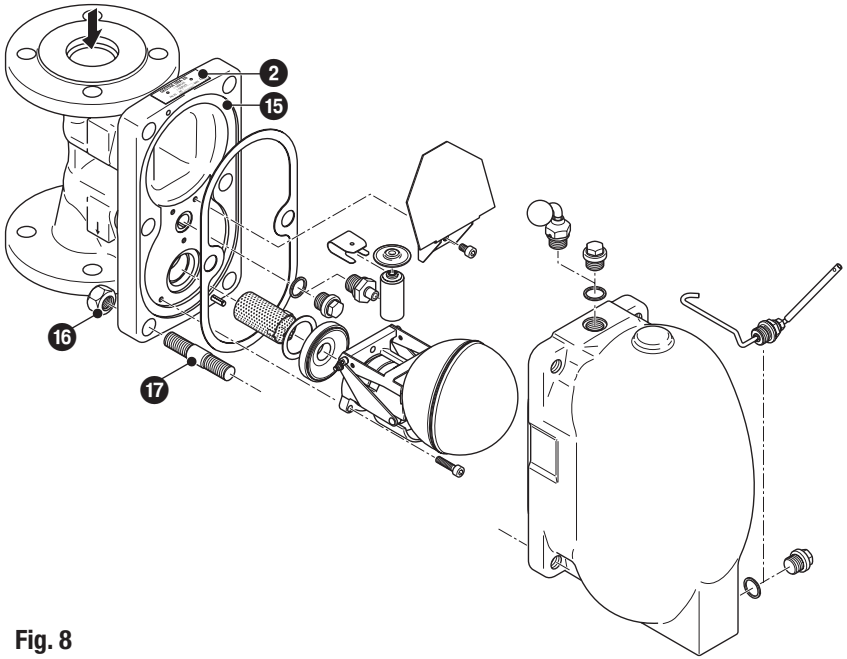

Fig. 8

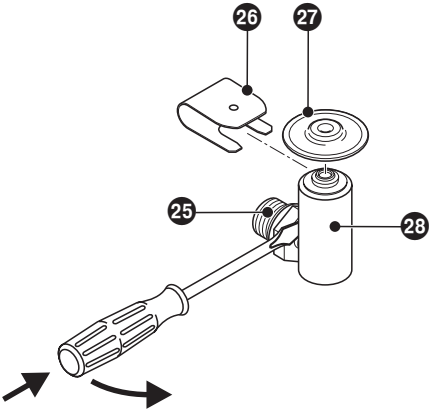

Fig. 6

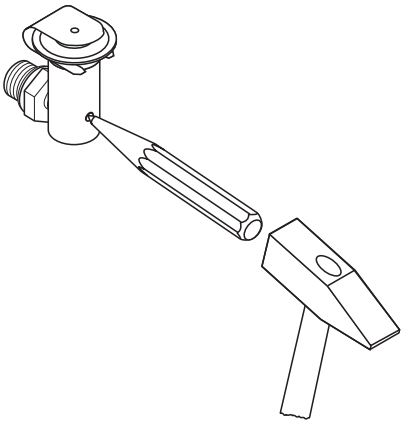

Fig. 7

Component parts UNA 27h

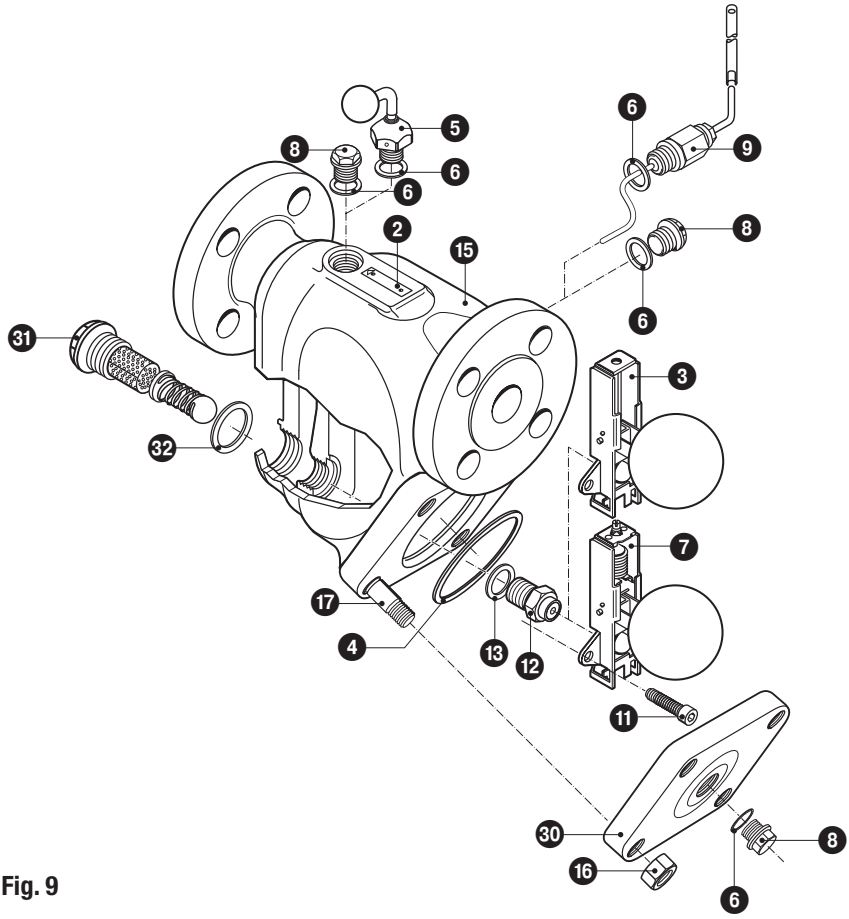

Fig. 9

Design – continued –

Key to component parts

1. Hexagon-socket screw
2. Name plate
3. Control unit SIMPLEX
4. Body gasket (graphite/CrNi)
5. Hand vent valve
6. Gasket
7. Control unit DUPLEX
8. Sealing plug
9. Float lifting lever with separate lever extension
10. Cover
11. Hexagon-socket screw
12. Seat (orifice)
13. Seat gasket for control unit SIMPLEX / DUPLEX
14. Protective sleeve against wear
15. Body
16. Hexagon nut
17. Fixing stud
18. Hexagon-socket screw
19. Flange for sightglass cover
20. Gasket (graphite/CrNi)
21. Water-level gauge glass
22. Sightglass cover
23. Control unit SIMPLEX-MAX / DUPLEX-MAX
24. Deflector
25. Support
26. Bracket
27. Regulating membrane 5N2 (deaeration)
28. Venting pipe
29. Hexagon-socket screw
30. Housing lid
31. Non-return valve unit, cpl.
32. Gasket

Installation

UNA 23h/v, UNA 25h/v, UNA 26h/v, UNA 27h

The float traps can – depending on their body design – be installed in horizontal or vertical pipelines with downward flow.

Flanged traps

1. Take care of correct position of installation. The name plate ❷ must always be on top.
2. Take care of flow direction. The flow arrow is on the trap body.
3. Consider space required for opening trap. When the trap is installed a minimum space of at least 130 mm (DN 15-25) / 200 mm (DN 40, 50) is required for removing the cover ❿, ㉒ or the housing lid ㉚.
4. Remove plastic plugs. They are **only** used as transit protection.
5. Clean seating surfaces of both flanges.
6. Install steam trap.

Screwed-socket traps

1. Take care of correct position of installation. The name plate ❷ must always be on top.
2. Take care of flow direction. The flow arrow is on the trap body.
3. Consider space required for opening trap. When the trap is installed a minimum space of at least 130 mm (DN 15-25) / 200 mm (DN 40, 50) is required for removing the cover ❿, ㉒ or the housing lid ㉚.
4. Remove plastic plugs. They are **only** used as transit protection.
5. Clean threads of screwed sockets.
6. Install steam trap.

Socket-weld traps

1. Take care of correct position of installation. The name plate ❷ must always be on top.
2. Take care of flow direction. The flow arrow is on the trap body.
3. Consider space required for opening trap. When the trap is installed a minimum space of at least 130 mm (DN 15-25) / 200 mm (DN 40, 50) is required for removing the cover ❿, ㉒ or the housing lid ㉚.
4. Remove plastic plugs. They are **only** used as transit protection.
5. Clean socket-weld ends.
6. Arc-weld trap only manually (welding process 111 and 141 in accordance with ISO 4063).

Installation – continued –

Butt-weld traps

1. Take care of correct position of installation. The name plate ❷ must always be on top.
2. Take care of flow direction. The flow arrow is on the trap body.
3. Consider space required for opening trap. When the trap is installed a minimum space of at least 130 mm (DN 15-25) / 200 mm (DN 40, 50) is required for removing the cover ❿, ㉒ or the housing lid ㉚.
4. Remove plastic plugs. They are **only** used as transit protection.
5. Clean butt-weld ends.
6. Arc-weld trap only manually (welding process 111 and 141 in accordance with ISO 4063) or use gas-welding process (welding process 3 in accordance with ISO 4063).

Attention

- Only qualified welders certified e. g. according to EN 287-1 may weld the steam trap into pressurized lines.
  The responsibility lies with the owner of the installation.

Heat treatment of welds

A subsequent heat treatment of the welds is only required if this is explicitly specified for the material in question, e. g. for 1.7335 (13CrMo4-5) / A182-F12 (not standard material).

Hand vent valve

1. Remove sealing plug ❽
2. Insert gasket ❻, fit hand vent valve ❺ in place.
   For tightening torques see table **“Torques”**.
3. Close the hand vent valve.

Tools

- Spanner A. F. 22 mm to DIN 3113, form B
- Torque spanner 20 – 120 Nm, to DIN ISO 6789

Float lifting lever (optional extra)

1. Take heed of the note “Danger” on page 4.
2. Remove sealing plug ❽.
3. Mount float lifting lever ❾ together with gasket ❻. Attach handle to float-lifting lever and hold it in a vertical position. For tightening torques see table **“Torques”**.

Commissioning

UNA 23h/v, UNA 25h/v, UNA 26h/v, UNA 27h

Make sure that all flanged connections, the hand vent valve and the float lifting lever for manual purging are firmly fixed to the trap, ensuring a tight, leakproof joint.

If the steam trap is to be used in a new installation which has not been rinsed yet, it may be necessary to check and – if required – clean the trap.

Operation

Hand vent valve

1. Take heed of the note “Danger” on page 4.
2. Open the hand vent valve if necessary.
3. Close hand vent valve firmly after the venting process.

Float lifting lever

1. Take heed of the note “Danger” on page 4.
2. Attach handle to float-lifting lever ❾.
3. Turn float-lifting lever ❾ according to the direction arrow on the cover ❿ / ㉒ or on the trap body (UNA 27h).
4. Turn float-lifting lever ❾ in the opposite direction of the arrow to close the valve and remove the handle.

Maintenance

GESTRA steam traps type UNA do not require any special maintenance.
However, if used in new installations which have not been rinsed it may be necessary to check and clean the trap.

Checking steam trap

You can check the trap UNA for steam loss during operation using the ultrasonic measuring unit VAPOPHONE® or the test unit TRAP*test* ®.
In case of steam loss clean the trap and/or replace the control unit or orifice (closing unit).

Cleaning / exchanging control unit

1. Take heed of the note “Danger” on page 4.
2. Undo hexagon-socket screws ❶ or hexagon nuts ⓰. Remove cover ❿, ㉒ or housing lid ㉚ from the trap body ⓯.
3. Unscrew hexagon-socket screws ⓫ / ㉙, remove control unit ❸, ❼ or ㉓ and orifice ⓬.
4. Replace control unit ❸, ❼ or ㉓ and orifice ⓬ in case of visible signs of wear or damage.
5. Clean body, internals and all gasket surfaces.
6. Apply heat-resistant lubricant to all threads and the seating surfaces of the closing unit and cover ❿ / ㉒ (use for instance WINIX® 2150).
7. Insert orifice ⓬ and new seat gasket ⓭, attach control unit ❸, ❼ or ㉓ and tighten screws ⓫ / ㉙ alternately. For tightening torques see table **“Torques”**.
8. Insert a new body gasket ❹.
9. Put cover / housing lid onto the body. Tighten hexagon-socket screws ❶ or hexagon nuts ⓰ alternately in several steps to the tightening torque indicated in the table **“Torques”**.

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Exchanging air-venting unit (control unit DUPLEX-MAX)

1. Take heed of the note “Danger” on page 4.
2. Undo hexagon-socket screws ❶ or hexagon nuts ⓰. Remove cover ❿ from the trap body ⓯.
3. Remove bracket ㉖ from the venting pipe ㉘ and take off the regulating membrane ㉗.
4. Use a screwdriver to lever the venting pipe ㉘ out of the support ㉕, **Fig. 6**.
5. Unscrew support ㉕.
6. Clean body, internals and all gasket sealing surfaces.
7. Apply heat-resistant lubricant to the thread of the new support ㉕ and the sealing surfaces of the cover ❿ / ㉒ (use for instance WINIX® 2150). Do **not** apply the lubricant to the cone of the support ㉕.
8. Mount support ㉕ together with a new gasket ❻ in body ⓯.
   For tightening torques see table **“Torques”**.
9. Attach new venting pipe ㉘ to the support ㉕, align it vertically and fix it to the support with two hard blows, **Fig. 7**.
10. Insert new regulating membrane ㉗ and push the bracket ㉖ over the regulating membrane.
11. Insert new body gasket ❹.
12. Put cover / housing lid onto the body. Tighten hexagon-socket screws ❶ or hexagon nuts ⓰ alternately in several steps to the tightening torque indicated in the table **“Torques”**.

Tools

- Combination spanner A. F. 17, 19, 22 and 24 mm to DIN 3113, form B
- Torque spanner 10 – 60 Nm, 60 – 120 Nm, 120 – 300 Nm, DIN ISO 6789
- Offset screwdriver (Allen key) size 5, 6, 10 to DIN ISO 2936
- Screwdriver (5.5/125), DIN 5265
- Punch (120/10), DIN 7250
- Hammer (500 g), DIN 1041

Cleaning / exchanging sightglass cover

1. Take heed of note “Danger” on page 4.
2. Undo hexagon-socket screws ⑱. Remove flange ⑲ from sightglass cover ㉒.
3. Remove and clean water-level gauge glass ㉑.
4. Replace water-level gauge glass ㉑ and gaskets ⑳ in case of visible signs of wear or damage.
5. Clean all gasket surfaces.
6. Apply heat-resistant lubricant to all threads and seating surfaces of the flange (use for instance WINIX® 2150).
7. Insert new gasket ⑳ and water-level gauge glass ㉑. Install flange ⑲ for sightglass cover and tighten hexagon-socket screws ⑱ alternately and evenly. For tightening torques see table **“Torques”**.

Attention

Do **not** change the factory setting of the thermostatic bellows.
In case of inadvertent misadjustment restore the factory setting. When the float ball is pushed right down the dimension Ⓧ (length of bellows) should be as follows:

Type	Size	Rolling ball valve mechanism (control unit DUPLEX)	Dimension Ⓧ
UNA 23h/v, UNA 25h/v, UNA 26h/v, UNA 26h stainless steel	DN 15 – 25	Control unit up to 13 bar (soft bellows)	34.5 mm
	DN 15 – 25	Control unit up to 32 bar (hard bellows)	32.0 mm
	DN 40, 50	Control unit 2 up to 32 bar	46.5 mm
UNA 27h	DN 15 – 25	Control unit 16 up to 45 bar	32.0 mm
	DN 40, 50	Control unit 16 up to 45 bar	46.5 mm

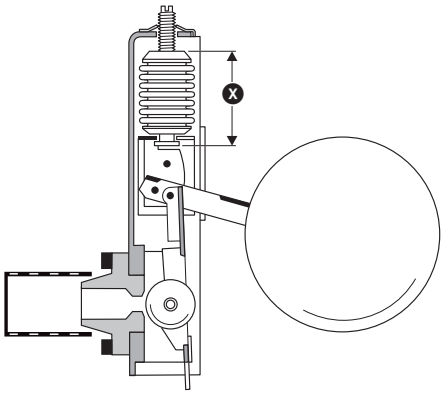

Fig. 10

Maintenance – continued –

Torques

Designation		Tightening torque [Nm]							
Item		UNA 23h/v		UNA 25h/v UNA 26h/v		UNA 26h stainless steel		UNA 27h	
		DN 15-25	DN 40, 50	DN 15-25	DN 40, 50	DN 15-25	DN 40, 50	DN 25	DN 40, 50
Hexagon-socket screw	1	40 [1])		60 [1])		60			
Hand vent valve	5	75	75	75	75	140	140	140	140
Sealing plug	8	75	75	75	75	140	140	140	140
Float lifting lever	9	75	75	75	75	140	140	170	170
Hexagon-socket screw	11	5	10	5	10	5	10	5	10
Seat (orifice)	12							180	240
Hexagon nut	16	40 [2])	75	60 [2])	115		180	115	115
Hexagon-socket screw	18	15	15						
Support	25		75		75		75		75
Hexagon-socket screw	29		7		7		7		7

[1]) UNA..h for installation in horizontal pipes

[2]) UNA..v for installation in vertical pipes

Spare Parts

Spare part list UNA 23h/v, UNA 25h/v, UNA 26h/v

Item	Designation		Stock code # DN 15 – 25	Stock code # DN 40 + 50
4	Body gasket [1]) (graphite/CrNi)		560 491	560 492
6	Gasket [1])		560 486	560 486
20	Sightglass gasket [2]) (graphite/CrNi)		560 487	560 488
20 21	Sightglass (level-indicating gauge) with gasket		560 481	560 480
13	Seat gasket [1]) (graphite/CrNi)		560 489	560 490
	Seat gasket [2]) (graphite/CrNi) control unit MAX			560 547
4 7 11 12 13	Control unit DUPLEX, complete	Orifice 2	560 073	560 088
		Orifice 4	560 074	560 089
		Orifice 4 MAX		560 575
		Orifice 8	560 075	560 090
4 6 12 13 23 25 26 27 28 29	Control unit DUPLEX-MAX, complete	Orifice 8 MAX		560 576
		Orifice 13	560 076	560 091
		Orifice 13 MAX		560 577
		Orifice 22	560 077	560 092
		Orifice 22 MAX		560 578
		Orifice 32	560 078	560 093
		Orifice 32 MAX		560 579
3 4 11 12 13	Control unit SIMPLEX, complete	Orifice 2	560 067	560 082
		Orifice 4	560 068	560 083
		Orifice 4 MAX		560 580
		Orifice 8	560 069	560 084
		Orifice 8 MAX		560 581
4 12 13 23 29	Control unit SIMPLEX-MAX, complete	Orifice 13	560 070	560 085
		Orifice 13 MAX		560 582
		Orifice 22	560 071	560 086
		Orifice 22 MAX		560 583
		Orifice 32	560 072	560 087
		Orifice 32 MAX		560 584

[1]) Minimum order quantity 20 items.

[2]) Minimum order quantity 10 items. Contact your local dealer for smaller quantities.

Spare part list UNA 23h/v, UNA 25h/v, UNA 26h/v – continued –

Item	Designation		Stock code # DN 15 – 25	Stock code # DN 40 + 50
3 4 11 13	Control unit SIMPLEX, complete **without** orifice		560 079	560 094
4 7 11 13	Control unit DUPLEX up to 13 bar, complete **without** orifice		560 080	560 095
4 7 11 13	Control unit DUPLEX above 13 bar, complete **without** orifice		560 081	560 096
11 12 13	Orifice, complete **without** control unit	Orifice 2	560 040	560 046
		Orifice 4	560 041	560 047
		Orifice 4 MAX		560 570
		Orifice 8	560 042	560 048
		Orifice 8 MAX		560 571
		Orifice 13	560 043	560 049
		Orifice 13 MAX		560 572
		Orifice 22	560 044	560 050
		Orifice 22 MAX		560 573
		Orifice 32	560 045	560 051
		Orifice 32 MAX		560 574
5 6	Hand vent valve with gasket		560 058	
6 25 26 27 28	Air-venting unit, complete, for control unit DUPLEX-MAX			560 548

Spare Parts – continued –

Spare part list UNA 26h stainless steel

Item	Designation		Stock code # DN 15 – 25	Stock code # DN 40 + 50
4	Body gasket [1]) (graphite/CrNi)		560 491	560 492
6	Gasket [2])		560 514	560 514
13	Seat gasket [1]) (graphite/CrNi)		560 489	560 490
	Seat gasket [2]) (graphite/CrNi) control unit MAX			560 547
4 7 11 12 13	Control unit DUPLEX, complete	Orifice 2	560 394	560 388
		Orifice 4	560 395	560 389
		Orifice 4 MAX		560 575
		Orifice 8	560 396	560 390
4 6 12 13 23 25 26 27 28 29	Control unit DUPLEX-MAX, complete	Orifice 8 MAX		560 576
		Orifice 13	560 397	560 391
		Orifice 13 MAX		560 577
		Orifice 22	560 398	560 392
		Orifice 22 MAX		560 578
		Orifice 32	560 399	560 393
		Orifice 32 MAX		560 579
3 4 11 12 13	Control unit SIMPLEX, complete	Orifice 2	560 097	560 104
		Orifice 4	560 098	560 105
		Orifice 4 MAX		560 580
		Orifice 8	560 099	560 106
		Orifice 8 MAX		560 581
4 12 13 23 29	Control unit SIMPLEX-MAX, complete	Orifice 13	560 100	560 107
		Orifice 13 MAX		560 582
		Orifice 22	560 101	560 108
		Orifice 22 MAX		560 583
		Orifice 32	560 102	560 109
		Orifice 32 MAX		560 584

[1]) Minimum order quantity 20 items.
[2]) Minimum order quantity 10 items. Contact your local dealer for smaller quantities.

Spare Parts – continued –

Spare part list UNA 26h stainless steel – continued –

Item	Designation		Stock code # DN 15 – 25	Stock code # DN 40 + 50
❸ ❹ ⓫ ⓭	Control unit SIMPLEX, complete **without** orifice		560 103	560 110
❹ ❼ ⓫ ⓭	Control unit DUPLEX up to 13 bar, complete **without** orifice		560 401	560 403
❹ ❼ ⓫ ⓭	Control unit DUPLEX above 13 bar, complete **without** orifice		560 400	560 402
⓫ ⓬ ⓭	Orifice, complete **without** control unit	Orifice 2	560 111	560 117
		Orifice 4	560 112	560 118
		Orifice 4 MAX		560 570
		Orifice 8	560 113	560 119
		Orifice 8 MAX		560 571
		Orifice 13	560 114	560 120
		Orifice 13 MAX		560 572
		Orifice 22	560 115	560 121
		Orifice 22 MAX		560 573
		Orifice 32	560 116	560 122
		Orifice 32 MAX		560 574
❺ ❻	Hand vent valve with gasket		560 125	
❻ ㉕ ㉖ ㉗ ㉘	Air-venting unit, complete, for control unit DUPLEX-MAX			560 548

Spare Parts – continued –

Spare part list UNA 27h

Item	Designation		Stock code # DN 15 – 25	Stock code # DN 40 + 50
4	Body gasket (graphite/CrNi)		522 247	522 248
6	Gasket [1])		560 514	560 514
4 7 11 12 13	Control unit DUPLEX, complete	Orifice 16	560 376	560 379
		Orifice 28	560 377	560 380
		Orifice 45	560 378	560 381
3 4 11 12 13	Control unit SIMPLEX, complete	Orifice 16	560 370	560 373
		Orifice 28	560 371	560 374
		Orifice 45	560 372	560 375
3 4 11	Control unit SIMPLEX, complete **without** orifice		560 366	560 368
4 7 11	Control unit DUPLEX, complete **without** orifice		560 367	560 369
11 12 13	Orifice, complete **without** control unit	Orifice 16	560 384	560 387
		Orifice 28	560 383	560 386
		Orifice 45	560 382	560 385
31 32	Non-return valve, complete		560 406	560 407
5 6	Hand vent valve with gasket		560 058	

[1]) Minimum order quantity 10 items. Contact your local dealer for smaller quantities.

Decommissioning

Danger

Risk of severe burns and scalds to the whole body!

Before loosening flanged connections, stuffing box unions or sealing plugs, make sure that all connected lines are depressurized (zero bar) and cooled down to room temperature (20 °C).

Disposal

Dismantle the equipment and separate the waste materials, using the materials specifications as a reference.

For the disposal of the equipment observe the pertinent legal regulations concerning waste disposal.

Annex

Declaration of conformity CE

We hereby declare that the pressure equipment **UNA 23h/v, UNA 25h/v, UNA 26h/v, UNA 26h stainless steel and UNA 27h**, conforms to the following European Directive:

- EC Pressure Equipment Directive (PED) No. 97/23 of 29 May 1997 – apart from equipment according to section 3.3

Applied conformity assessment procedure acc. to Annex III: module H, verified by the Notified Body 0525.

This declaration is no longer valid if modifications are made to the equipment without prior consultation with us.

Bremen, 26th October 2007
GESTRA AG

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