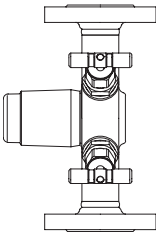
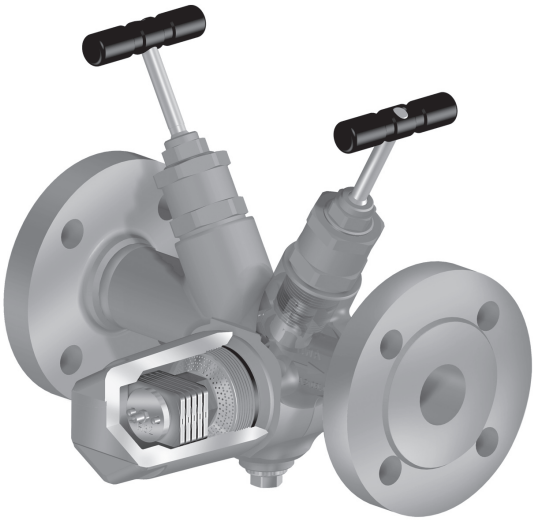
## CONA® All-in-one - Steam trap station with integrated inlet and outlet valves

### CONA®B All-in-one
Bimetallic steam trap
PN40
- with flanges (Fig. 60A....1)
- with screwed sockets (Fig. 60A....2)
- with socket weld ends (Fig. 60A....3)
- with butt weld ends (Fig. 60A....4)

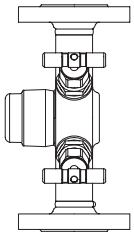


Forged steel
Stainless steel
Fig. 60A Page 2



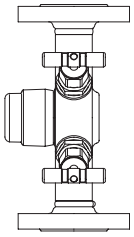
CONA®B All-in-one

### CONA®M All-in-one
Thermostatic steam trap
PN40
- with flanges (Fig. 61A....1)
- with screwed sockets (Fig. 61A....2)
- with socket weld ends (Fig. 61A....3)
- with butt weld ends (Fig. 61A....4)



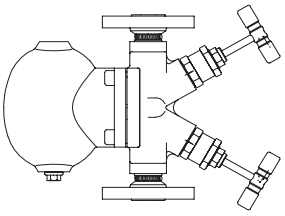
Forged steel
Stainless steel
Fig. 61A Page 4

### CONA®TD All-in-one
Thermodynamic steam trap
PN40
- with flanges (Fig. 64A....1)
- with screwed sockets (Fig. 64A....2)
- with socket weld ends (Fig. 64A....3)
- with butt weld ends (Fig. 64A....4)



Forged steel
Stainless steel
Fig. 64A Page 6

### CONA®SC All-in-one
Ball float steam trap
PN40
- with flanges (Fig. 63A....1)
- with screwed sockets (Fig. 63A....2)
- with socket weld ends (Fig. 63A....3)
- with butt weld ends (Fig. 63A....4)



Forged steel
Stainless steel
Fig. 63A Page 10

**Features:**
- Robust and resistant to waterhammer
- Integrated non-return protection
- Maybe installed in horizontal and vertical positions
- The controller maybe changed without disturbing the pipe work

**CONA®B/M/TD All-in-one:**
- For discharge of condensate sub-cooled up to 30K
- Internal strainer
- Optimized design for quick installation
- Gasket-free sealing of the screw cap

**CONA®S All-in-one:**
- Back pressure-free condensate discharge
- Rapid system start-up due to thermostatic airventing capsule

## CONA®B All-in-one - Bimetallic steam trap station with integrated inlet and outlet valves (Forged steel, Stainless steel)

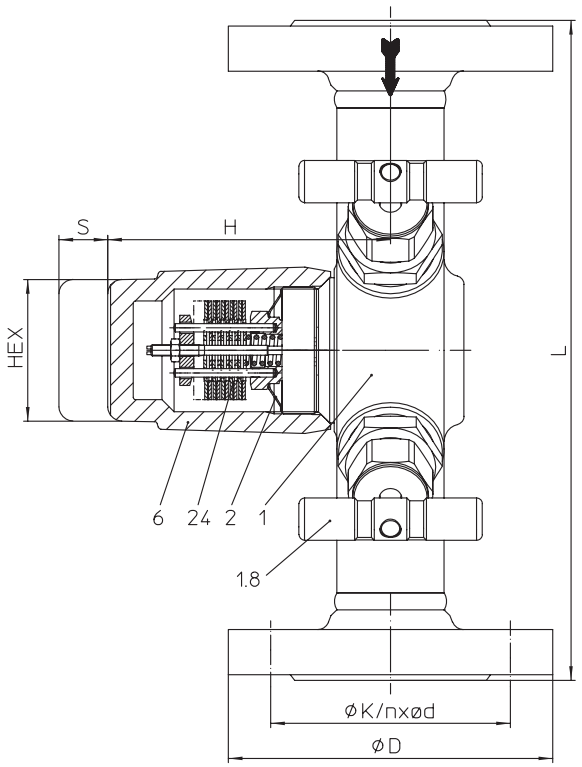



Fig. 60A....1 with flanges

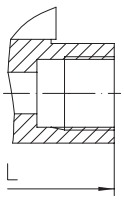



Fig. 60A....2
with screwed sockets

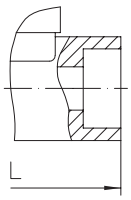



Fig. 60A....3
with socket weld ends

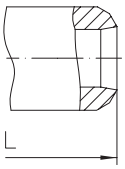



Fig. 60A....4
with butt weld ends

- Thermostatic steam trap with non-corrosive and robust water hammer proof bimetallic controller
- Maybe installed in horizontal and vertical positions
- User-friendly handling, easy and quick access to the controller
- Automatic air venting during start up and operation of the plant
- Integrated non return protection
- Internal strainer
- Subcooling of condensate is continuously adjustable (observe the operation instructions)
- Maintenance simplified due to screwed cap without sealing gasket
- The controller may be changed without disturbing the pipe work
- Available controllers:

  Controller R13 - to 13 bar inlet pressure
  Controller R22 - to 22 bar inlet pressure
  Controller R32 - to 32 bar inlet pressure

Options:
- Drain valve (Pos. 51)
- Ball valve for blow down (Pos. 56)
- Stop valve with bellows seal (Pos. 8)

**Operating limits**

| **Fig. 45.60A** | **PN40 - 1.0460** | | |
|---|---|---|---|
| Operating pressure PS (bar-g) | 32 | 22 | 14,5 |
| Operating temperature TS (°C) | 250 | 385 | 450 |
| allowable differential pressure ΔPMX (bar): | 32 | 22 | 13 |
| for controller: | R32 | R22 | R13 |

| **Fig. 55.60A** | **PN40 - 1.4541** | |
|---|---|---|
| Operating pressure PS (bar-g) | 32 | 22 |
| Operating temperature TS (°C) | 350 | 400 |
| allowable differential pressure ΔPMX (bar): | 32 | 22 | 13 |
| for controller: | R32 | R22 | R13 |

**Types of connection**

| | |
|---|---|
| Flanges ....1 | PN40 acc. to DIN2501 |
| Screwed sockets ....2 | Rp- and NPT-thread acc. to DIN EN 10226-1 |
| Socket weld ends ....3 | acc. to DIN EN 12760 |
| Butt weld ends ....4 | acc. to DIN EN 12627 |

Other types of connection on request.

**For ANSI versions refer to data sheet CONA®All-in-one-ANSI**

| **Dimensions and Weights** | | **Types of connection** | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | **Flanges** | | | **Screwed sockets Socket weld ends** | | | **Butt weld ends** | | |
| **Nominal diameter** | **(mm) (inch)** | **15 1/2** | **20 3/4** | **25 1** | **15 1/2** | **20 3/4** | **25 1** | **15 1/2** | **20 3/4** | **25 1** |
| L* | (mm) | 210 | 210 | 230 | 150 | 150 | 230 | 160 | 160 | 160 |
| H | (mm) | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| S | (mm) | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 |
| HEX | (mm) | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| Weight | (kg) | 5,6 | 6,1 | 6,6 | 4,1 | 4 | 6,6 | 4,1 | 4 | 3,9 |
| Flange dimensions refer to page 12. | | | | | | | | | | |

* Face-to-face acc. to data sheet resp. customer request

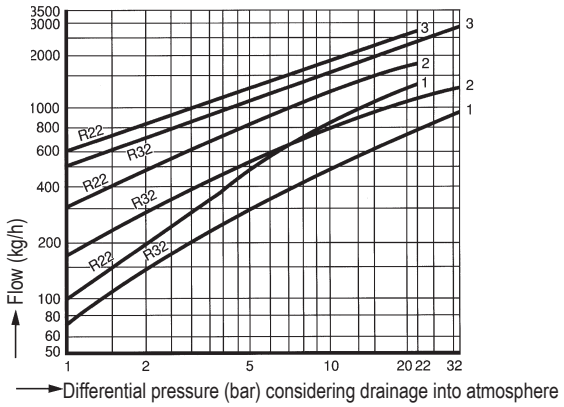
**Parts**

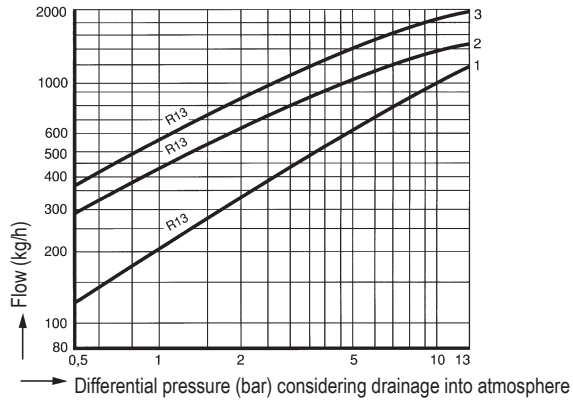
| Pos. | Description | Fig. 45.60A | Fig. 55.60A |
|---|---|---|---|
| 1 | Body | P250 GH, 1.0460 | X6CrNiTi18-10, 1.4541 |
| 1.8 | Unit Stop valve, cpl. * | X6CrNiMoTi17-12-2, 1.4571 | |
| 2 | Strainer * | X5CrNi18-10, 1.4301 | |
| 6 | Screwed cap | P250 GH, 1.0460 | X6CrNiTi18-10, 1.4541 |
| 24 | Controller * | TB 102 / 85 (corrosion resistant bimetal) | |
| 49 | Sealing ring * | X6CrNiTi18-10, 1.4541 | |
| 50 | Plug (M14x1,5) * | X6CrNiTi18-10, 1.4541 | |
| 51 | Drain valve * | X8CrNiS18-9, 1.4305 | |
| 56 | Ball valve for blow down * | GX5CrNiMo19-11-2, 1.4408 | |
| *** Spare part** | | | |

Information / restriction of technical rules need to be observed!

Operating instructions can be ordered by phone +49 (0)5207 / 994-0 or fax +49 (0)5207 / 994-158 or -159.

**Capacity chart**




The capacity chart shows the maximum capacity at factory setting.

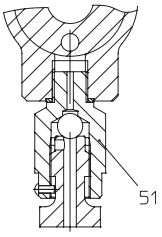
**Curve 1**
Maximum flow of hot condensate at approx. 10 K below saturation temperature.

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

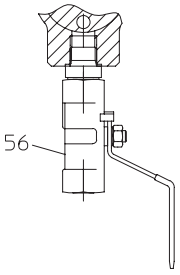
**Curve 3**
Maximum flow quantity of cold condensate at about 20°C (during start-up of a cold installation).

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

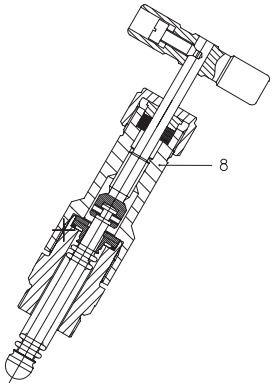
**Options**




**Drain valve**




**Ball valve with adapter for blow down**
(restricted to 16 bar, 210°C)




**Stop valve with bellows seal**

## CONA®M All-in-one - Thermostatic steam trap station with integrated inlet and outlet valves (Forged steel, Stainless steel)

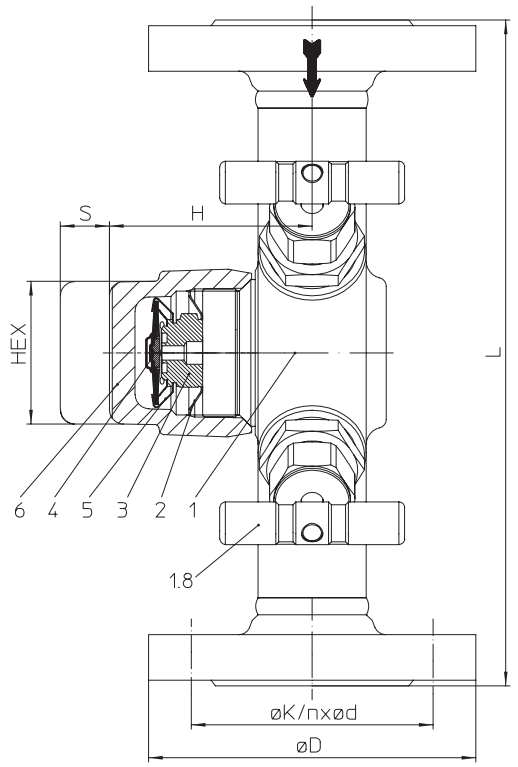



Fig. 61A....1 with flanges

- Thermostatic steam trap with non-corrosive and robust water hammer proofed capsule
- Maybe installed in horizontal and vertical positions
- User-friendly handling, easy and quick access to the controller
- Integrated non return protection
- Internal strainer
- Filter effect maximised at horizontal installation
- Design optimized for quick installation
- Maintenance simplified due to screwed cap without sealing gasket
- The controller may be changed without disturbing the pipe work
- Available capsules:

  Capsule No. 1 - for condensate discharge at boiling temperature (only on request)

  Capsule No. 2 - for condensate sub-cooling about approx. 10K (Standard)

  Capsule No. 3 - for condensate sub-cooling about approx. 30K

- Options: - Drain valve (Pos. 51)
  - Ball valve for blow down (Pos. 56)
  - Stop valve with bellows seal (Pos. 8)

**Operating limits**

| **Fig. 45.61A** | **PN40 - 1.0460** | | |
|---|---|---|---|
| Operating pressure PS (bar-g) | 32 | 22 | 14,5 |
| Operating temperature TS (°C) | 250 | 385 | 450 |
| allowable differential pressure ΔPMX (bar): | 32 | | |
| for controller: | R32 | | |

| **Fig. 55.61A** | **PN40 - 1.4541** | |
|---|---|---|
| Operating pressure PS (bar-g) | 32 | 22 |
| Operating temperature TS (°C) | 350 | 400 |
| allowable differential pressure ΔPMX (bar): | 32 | |
| for controller: | R32 | |

**Types of connection**

| | |
|---|---|
| Flanges ....1 | PN40 acc. to DIN2501 |
| Screwed sockets ....2 | Rp- and NPT-thread acc. to DIN EN 10226-1 |
| Socket weld ends ....3 | acc. to DIN EN 12760 |
| Butt weld ends ....4 | acc. to DIN EN 12627 |

Other types of connection on request.

**For ANSI versions refer to data sheet CONA®All-in-one-ANSI**

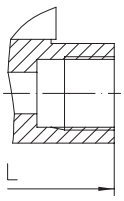



Fig. 61A....2
with screwed sockets

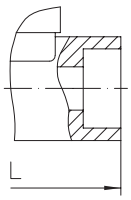



Fig. 61A....3
with socket weld ends

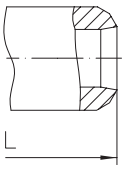



Fig. 61A....4
with butt weld ends

| **Dimensions and Weights** | | **Types of connection** | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | **Flanges** | | | **Screwed sockets Socket weld ends** | | | **Butt weld ends** | | |
| **Nominal diameter** | **(mm) (inch)** | **15 1/2** | **20 3/4** | **25 1** | **15 1/2** | **20 3/4** | **25 1** | **15 1/2** | **20 3/4** | **25 1** |
| L* | (mm) | 210 | 210 | 230 | 150 | 150 | 230 | 160 | 160 | 160 |
| H | (mm) | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 |
| S | (mm) | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 |
| HEX | (mm) | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| Weight | (kg) | 4,8 | 5,3 | 5,8 | 3,3 | 3,2 | 5,8 | 3,4 | 3,3 | 3,2 |
| Flange dimensions refer to page 12. | | | | | | | | | | |

* Face-to-face acc. to data sheet resp. customer request

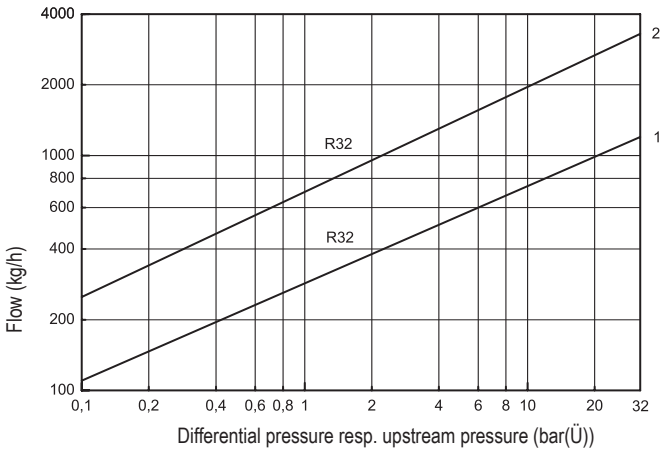
**Parts**

| Pos. | Description | Fig. 45.61A | Fig. 55.61A |
|---|---|---|---|
| 1 | Body | P250 GH, 1.0460 | X6CrNiTi18-10, 1.4541 |
| 1.8 | Unit Stop valve, cpl. * | X6CrNiMoTi17-12-2, 1.4571 | |
| 2 | Strainer * | X5CrNi18-10, 1.4301 | |
| 3 | Seat * | X8CrNiS18-9, 1.4305 | |
| 4 | Capsule (Diaphragm / Capsule) * | Hastelloy / X5CrNi18-10, 1.4301 | |
| 5 | Spring actuated clip * | X10CrNi18-8, 1.4310 | |
| 6 | Screwed cap | P250 GH, 1.0460 | X6CrNiTi18-10, 1.4541 |
| 49 | Sealing ring * | X6CrNiTi18-10, 1.4541 | |
| 50 | Plug (M14x1,5) * | X6CrNiTi18-10, 1.4541 | |
| 51 | Drain valve * | X8CrNiS18-9, 1.4305 | |
| 56 | Ball valve for blow down * | GX5CrNiMo19-11-2, 1.4408 | |
| 57 | Non return protection | X5CrNi18-10, 1.4301 | |
| * Spare part | | | |

Information / restriction of technical rules need to be observed!

Operating instructions can be ordered by phone +49 (0)5207 / 994-0 or fax +49 (0)5207 / 994-158 or -159.

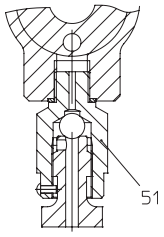
**Capacity chart**



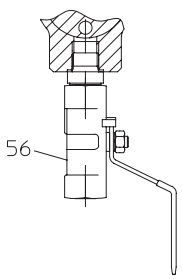

**Curve 1**
Maximum flow of hot condensate for capsule No 1, 2, and 3.

**Curve 2**
Maximum flow at cold condensate at about 20°C.

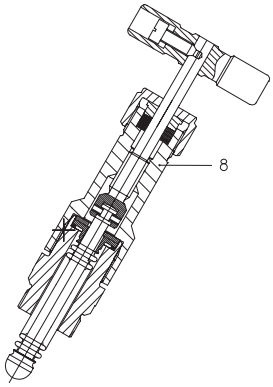
**Options**




**Drain valve**




**Ball valve with adapter for blow down**
(restricted to 16 bar, 210°C)




**Stop valve with bellows seal**

## CONA®TD All-in-one - Thermodynamic steam trap station with integrated inlet and outlet valves (Forged steel, Stainless steel)

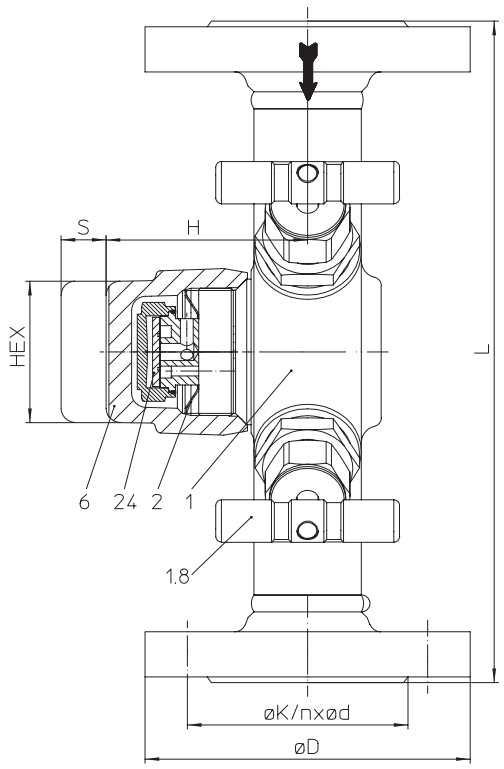



Fig. 64A....1 with flanges

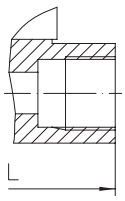



Fig. 64A....2
with screwed sockets

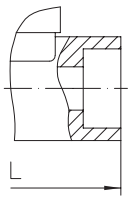



Fig. 64A....3
with socket weld ends

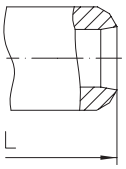



Fig. 64A....4
with butt weld ends

- Thermodynamic steam trap with replaceable controller-unit and cap. It's heat chamber minimizes the impact of weather conditions on the trap's performance; conditions such as low ambient temperature, rain, wind etc.
- Maybe installed in horizontal and vertical positions
- User-friendly handling, easy and quick access to the controller
- Cyclic operation
- Heat chamber minimizes the impact of weather conditions on the trap's performance
- Robust and water hammer proof design
- Integrated non return protection
- Internal strainer
- Design optimized for quick installation
- Maintenance simplified due to screwed cap without sealing gasket
- The controller may be changed without disturbing the pipe work
- Options: - Drain valve (Pos. 51)
  - Ball valve for blow down (Pos. 56)
  - Stop valve with bellows seal (Pos. 8)

**Operating limits**

| **Fig. 45.64A** | **PN40 - 1.0460** | | |
|---|---|---|---|
| Operating pressure PS (bar-g) | 32 | 22 | 14,5 |
| Operating temperature TS (°C) | 250 | 385 | 450 |
| allowable differential pressure ΔPMX (bar): | 32 | | |
| permissible pressure ratio (barg): | Back pressure / Inlet pressure ≤ 0,8 | | |

| **Fig. 55.64A** | **PN40 - 1.4541** | |
|---|---|---|
| Operating pressure PS (bar-g) | 32 | 22 |
| Operating temperature TS (°C) | 350 | 400 |
| allowable differential pressure ΔPMX (bar): | 32 | |
| permissible pressure ratio (barg): | Back pressure / Inlet pressure ≤ 0,8 | |

**Types of connection**

| | |
|---|---|
| Flanges ....1 | PN40 acc. to DIN2501 |
| Screwed sockets ....2 | Rp- and NPT-thread acc. to DIN EN 10226-1 |
| Socket weld ends ....3 | acc. to DIN EN 12760 |
| Butt weld ends ....4 | acc. to DIN EN 12627 |

Other types of connection on request.

**For ANSI versions refer to data sheet CONA®All-in-one-ANSI**

| **Dimensions and Weights** | | **Types of connection** | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | **Flanges** | | | **Screwed sockets Socket weld ends** | | | **Butt weld ends** | | |
| **Nominal diameter** | **(mm) (inch)** | **15 1/2** | **20 3/4** | **25 1** | **15 1/2** | **20 3/4** | **25 1** | **15 1/2** | **20 3/4** | **25 1** |
| L* | (mm) | 210 | 210 | 230 | 150 | 150 | 230 | 160 | 160 | 160 |
| H | (mm) | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 |
| S | (mm) | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 |
| HEX | (mm) | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| Weight | (kg) | 4,8 | 5,3 | 5,8 | 3,3 | 3,2 | 5,8 | 3,4 | 3,3 | 3,2 |
| Flange dimensions refer to page 12. | | | | | | | | | | |

* Face-to-face acc. to data sheet resp. customer request

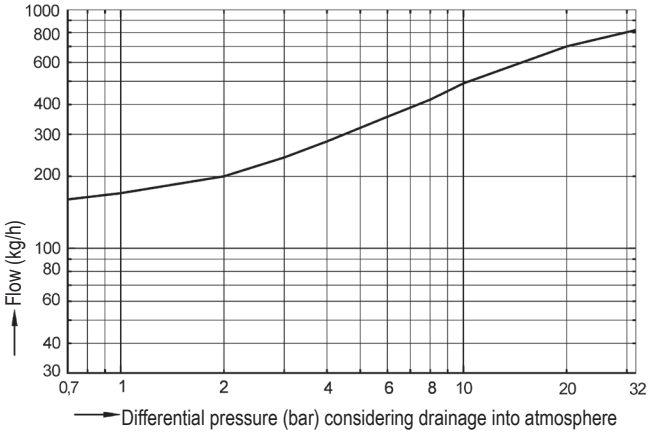
**Parts**

| Pos. | Description | Fig. 45.64A | Fig. 55.64A |
|---|---|---|---|
| 1 | Body | P250 GH, 1.0460 | X6CrNiTi18-10, 1.4541 |
| 1.8 | Unit Stop valve, cpl. * | X6CrNiMoTi17-12-2, 1.4571 | |
| 2 | Strainer * | X5CrNi18-10, 1.4301 | |
| 6 | Screwed cap | P250 GH, 1.0460 | X6CrNiTi18-10, 1.4541 |
| 24 | Controller * | X39CrMo17-1+QT, 1.4122+QT | |
| 49 | Sealing ring * | X6CrNiTi18-10, 1.4541 | |
| 50 | Plug (M14x1,5) * | X6CrNiTi18-10, 1.4541 | |
| 51 | Drain valve * | X8CrNiS18-9, 1.4305 | |
| 56 | Ball valve for blow down * | GX5CrNiMo19-11-2, 1.4408 | |
| * Spare part | | | |

Information / restriction of technical rules need to be observed!

Operating instructions can be ordered by phone +49 (0)5207 / 994-0 or fax +49 (0)5207 / 994-158 or -159.

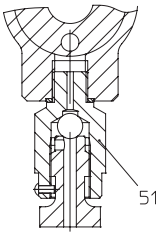
**Capacity chart**



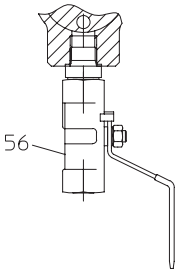

Capacity chart: The capacity chart shows the maximum flow of hot condensate for the standard controller.

Flow rate of cold condensate at 20°C is about 1,5 times the volume of hot condensate.

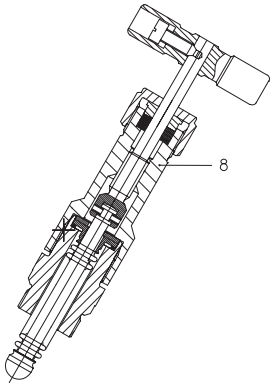
**Options**



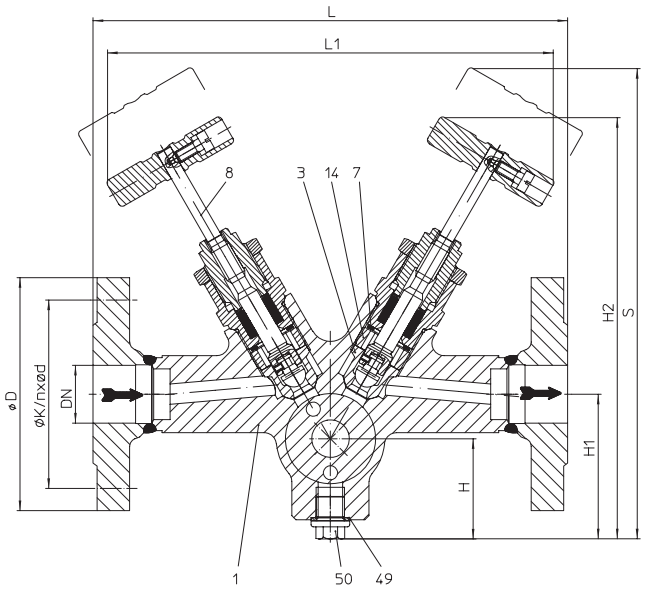

**Drain valve**



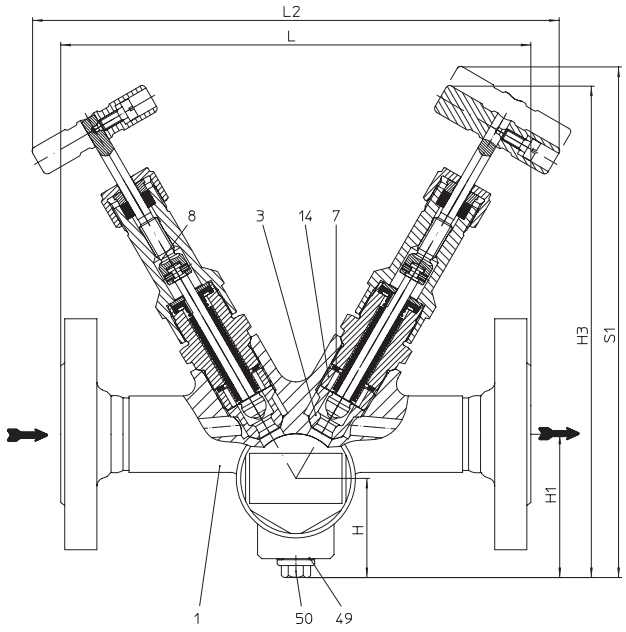

**Ball valve with adapter for blow down**
(restricted to 16 bar, 210°C)




**Stop valve with bellows seal**

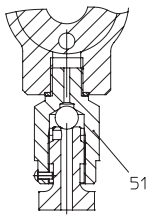



Stop valve with gland packing

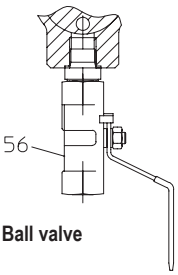



Stop valve with bellows seal

**Options**




**Drain valve**




**Ball valve**

| Dimensions and Weights | | Types of connection | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Flanges | | | Screwed sockets Socket weld ends | | | Butt weld ends | | |
| **Nominal diameter** | **(mm) (inch)** | **15 1/2** | **20 3/4** | **25 1** | **15 1/2** | **20 3/4** | **25 1** | **15 1/2** | **20 3/4** | **25 1** |
| L* | (mm) | 210 | 210 | 230 | 150 | 150 | 230 | 160 | 160 | 160 |
| L1 | (mm) | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 |
| L2 (Bellows seal) | (mm) | 259 | 259 | 259 | 259 | 259 | 259 | 259 | 259 | 259 |
| H | (mm) | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| H1 | (mm) | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 |
| H2 | (mm) | 208 | 208 | 208 | 208 | 208 | 208 | 208 | 208 | 208 |
| H3 (Bellows seal) | (mm) | 241 | 241 | 241 | 241 | 241 | 241 | 241 | 241 | 241 |
| S | (mm) | 217 | 217 | 217 | 217 | 217 | 217 | 217 | 217 | 217 |
| S1 (Bellows seal) | (mm) | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 |
| Flange dimensions refer to page 12. | | | | | | | | | | |

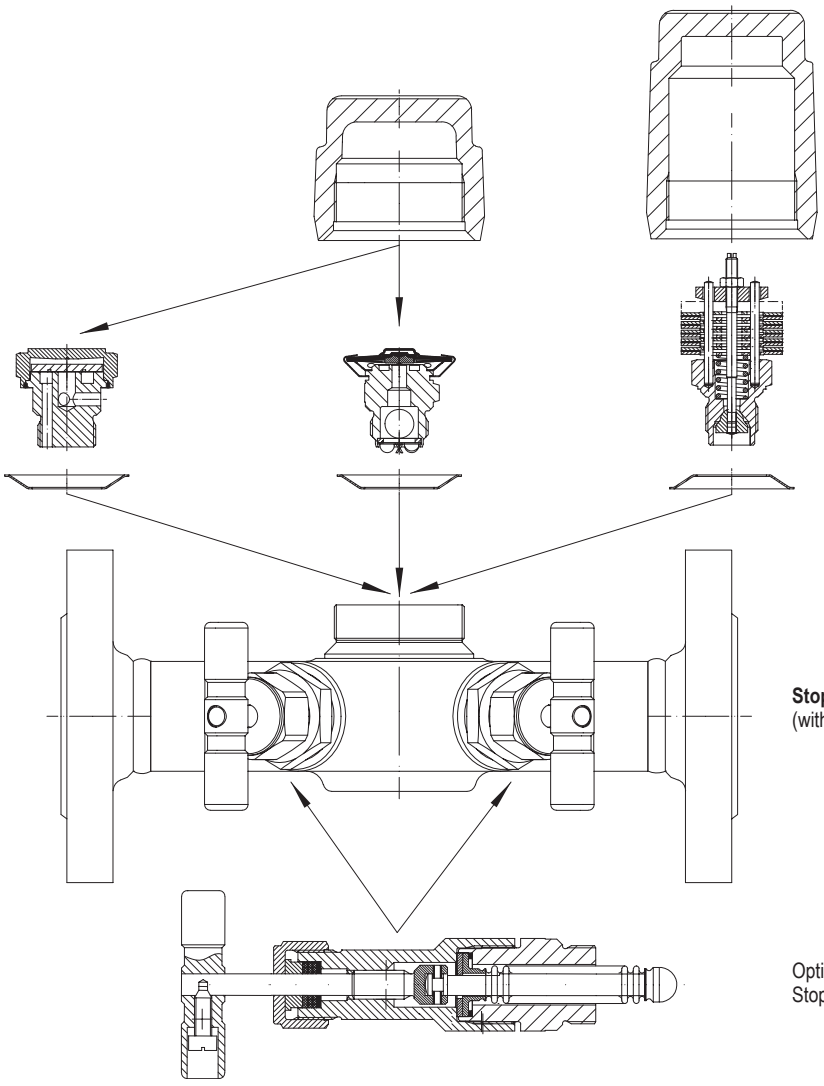
* Face-to-face acc. to data sheet resp. customer request

**Parts**

| Pos. | Description | Forged steel | Stainless steel |
|---|---|---|---|
| 1.1 | Body | P250GH, 1.0460 | X2CrNiMo17-12-2, 1.4404 |
| 1.3 | Seat * | X8CrNiS18-9, 1.4305 | |
| 1.7 | Sealing ring | Graphit | |
| 1.8 | Unit Stop valve, cpl. * | X6CrNiMoTi17-12-2, 1.4571 | |
| 1.14 | Banjo bolt | X8CrNiS18-9, 1.4305 | |
| 1.49 | Sealing ring * | X6CrNiTi18-10, 1.4541 | |
| 1.50 | Plug (M14x1,5) * | X6CrNiTi18-10, 1.4541 | |
| 1.51 | Drain valve (M14x1,5) * | X39CrMo17-1+QT, 1.4122+QT | |
| 1.56 | Ball valve for blow down * | GX5CrNiMo19-11-2, 1.4408 | |
| * Spare part | | | |

**Combinations**

**CONA®TD All-in-one** **CONA®M All-in-one** **CONA®B All-in-one**



**Stop valve with gland packing**
(with flanges, screwed sockets, socket weld ends, butt weld ends)

Options:
Stop valve with bellows seal

## CONA®SC All-in-one - Ball float steam trap station with integrated inlet and outlet valves (Forged steel, Stainless steel)

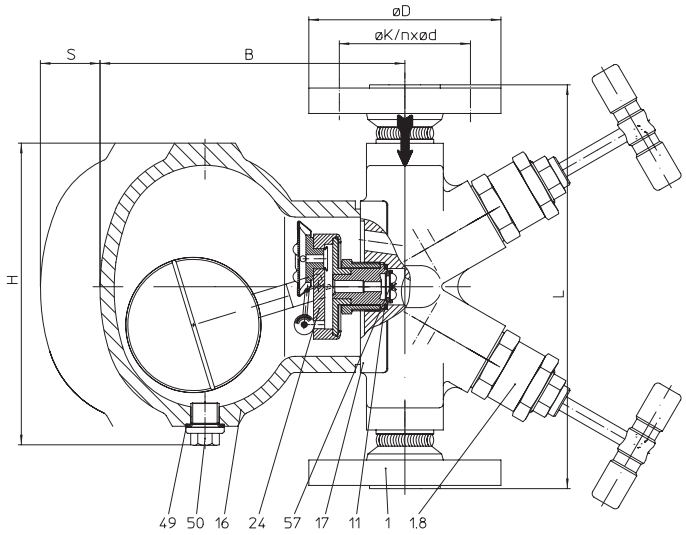



Fig. 63A....1 with flanges

- Ball float steam trap with level control for the condensate-discharge from all kinds of steam systems
- Rapid system start-up due to thermostatic air venting capsule
- Standard installation position: - vertical
- Optional installation position: - horizontal with inlet from right or left (Please indicate when ordering).
- User-friendly handling, easy and quick access to the controller
- Immediate discharge of condensate at saturation temperature
- Discharge of high volumes of condensate even quantities at low differential pressure
- Body with flanged hood
- Integrated non return protection
- The controller may be changed without disturbing the pipe work
- Installation position may be changed on-site (see operating instructions)
- Options: - Vent plug (Pos. 47)
  - Plug (Pos. 50)
  - Manual air vent valve (Pos. 51)
  - Ball valve for blow down (Pos. 56)
  - Stop valve with bellows seal (Pos. 8)

**Operating limits**

| Fig. 45.63A | PN40 - Hood: 1.0619+N | | | |
|---|---|---|---|---|
| Operating pressure PS (bar-g) | 4 | 14 | 21 | 32 |
| Operating temperature TS (°C) | 400 | | | 250 |
| allowable differential pressure ΔPMX (bar): | 4 | 14 | 21 | 32 |
| for controller: | R4 | R14 | R21 | R32 |

| Fig. 55.63A | PN40 - Hood: 1.4308 | | | |
|---|---|---|---|---|
| Operating pressure PS (bar-g) | 4 | 14 | 21 | 32 |
| Operating temperature TS (°C) | 300 | | | 250 |
| allowable differential pressure ΔPMX (bar): | 4 | 14 | 21 | 32 |
| for controller: | R4 | R14 | R21 | R32 |

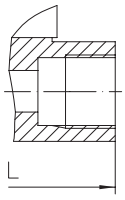


Fig. 63A....2
with screwed sockets

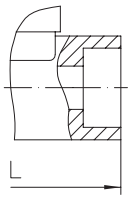


Fig. 63A....3
with socket weld ends

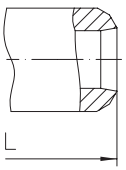


Fig. 63A....4
with butt weld ends

**Types of connection**

| | |
|---|---|
| Flanges ....1 | PN40 acc. to DIN2501 |
| Screwed sockets ....2 | Rp- and NPT-thread acc. to DIN EN 10226-1 |
| Socket weld ends ....3 | acc. to DIN EN 12760 |
| Butt weld ends ....4 | acc. to DIN EN 12627 |

Other types of connection on request.

**For ANSI versions refer to data sheet CONA®All-in-one-ANSI**

| Dimensions and Weights | | Types of connection | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Flanges | | | Screwed sockets Socket weld ends | | | Butt weld ends | | |
| Nominal diameter | (mm) (inch) | 15 1/2 | 20 3/4 | 25 1 | 15 1/2 | 20 3/4 | 25 1 | 15 1/2 | 20 3/4 | 25 1 |
| L* | (mm) | 210 | 210 | 230 | 150 | 150 | 230 | 160 | 160 | 160 |
| H | (mm) | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 |
| B | (mm) | 156 | 156 | 156 | 156 | 156 | 156 | 156 | 156 | 156 |
| S | (mm) | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 |
| Weight | (kg) | 7 | 7,7 | 8,2 | 5,6 | 5,5 | 8,2 | 5,5 | 5,4 | 5,3 |
| Flange dimensions refer to page 12. | | | | | | | | | | |

* Face-to-face acc. to data sheet resp. customer request

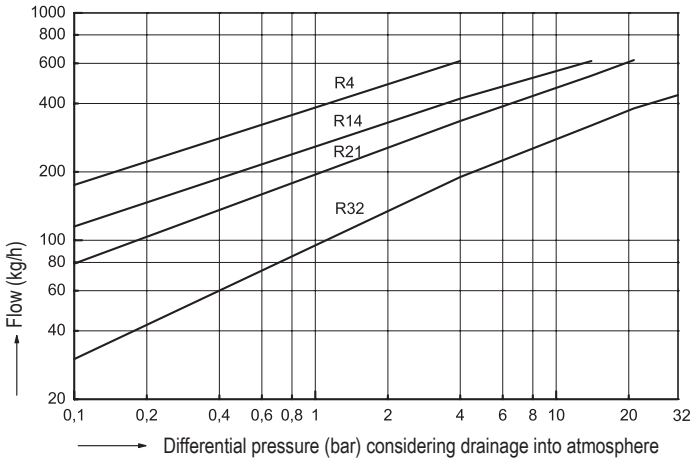
**Parts**

| Pos. | Description | Fig. 45.63A | Fig. 55.63A |
|---|---|---|---|
| 1 | Body | P250 GH, 1.0460 | X6CrNiTi18-10, 1.4541 |
| 1.8 | Unit Stop valve, cpl. * | X6CrNiMoTi17-12-2, 1.4571 | |
| 11 | Sealing ring * | A4 | X6CrNiTi18-10, 1.4541 |
| 16 | Hood | GP240GH+N, 1.0619+N | |
| 17 | Gasket * | GRAPHIT (CrNi laminated with graphite) | |
| 24 | Retaining ring * | X5CrNi18-10, 1.4301 / Hastelloy | |
| 27 | Cheese head screw | 21CrMoV 5-7, 1.7709 | X6CrNiTi18-10, 1.4541 |
| 47 | Vent plug (M14x1,5) | 21CrMoV 5-7, 1.7709 | X6CrNiTi18-10, 1.4541 |
| 49 | Sealing ring * | A4 | X6CrNiTi18-10, 1.4541 |
| 50 | Plug (M14x1,5) * | 21CrMoV 5-7, 1.7709 | X6CrNiTi18-10, 1.4541 |
| 51 | Drain valve * | X8CrNiS18-9, 1.4305 | |
| 56 | Ball valve for blow down * | GX5CrNiMo19-11-2, 1.4408 | |
| 57 | Non return protection * | X5CrNi18-10, 1.4301 | |
| * Spare part | | | |

Information / restriction of technical rules need to be observed!

Operating instructions can be ordered by phone +49 (0)5207 / 994-0 or fax +49 (0)5207 / 994-158 or -159.

**Capacity chart**




The capacity chart shows the maximum flow quantities of hot condensate.

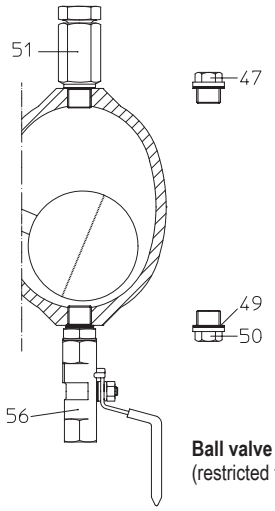
During start-up:

- The capacity of the trap is increased by 1,2 x the value shown in the capacity chart.
- The thermostatic air vent is open, provided additional capacity as shown in the table

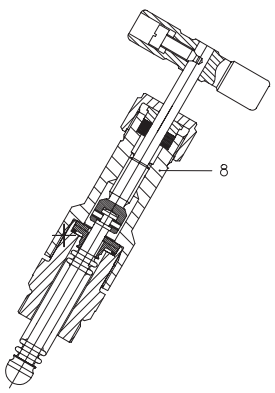
**Additional cold water-flow quantity of the thermostatic steam trap at starting conditions**

| Δp in bar | 1 | 2 | 3 | 4 | 5 | 6 | 8 | 10 | 21 |
|---|---|---|---|---|---|---|---|---|---|
| Q (ca. 20°C) in kg/h | 280 | 360 | 440 | 490 | 550 | 590 | 640 | 710 | 990 |

**Options**




**Ball valve with adapter for blow down**
(restricted to 16 bar, 210°C)




**Stop valve with bellows seal**

**Standard-flange dimensions**

Flanges acc. to DIN2501

| DN | | (mm) | 15 | 20 | 25 |
|---|---|---|---|---|---|
| PN16 | ØD | (mm) | 95 | 105 | 115 |
| PN16 | ØK | (mm) | 65 | 75 | 85 |
| PN16 | n x Ød | (mm) | 4 x 14 | 4 x 14 | 4 x 14 |
| PN40 | ØD | (mm) | 95 | 105 | 115 |
| PN40 | ØK | (mm) | 65 | 75 | 85 |
| PN40 | n x Ød | (mm) | 4 x 14 | 4 x 14 | 4 x 14 |



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