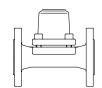


Bimetallic steam trap

Bimetallic steam trap PN16

with flanges (Fig. 600....1)union with butt weld ends (Fig. 600....5)





Page 2

Fig. 600....1 (PN40)

Bimetallic steam trap PN40

with flanges (Fig. 600/601....1)
 with screwed sockets (Fig. 600/601....2)

- with socket weld ends (Fig. 600/601....3) - with butt weld ends (Fig. 600/601....4)

(Fig. 600/601....3) Forged steel
(Fig. 600/601....4) High temperature steel
Stainless steel

Stainless steel
Fig. 600/601 (Y)



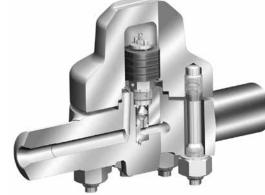


Fig. 600....4 (PN630)

Bimetallic steam trap PN63 / PN100

- with flanges (Fig. 600 - with socket weld ends (Fig. 600

- with butt weld ends

(Fig. 600....1) (Fig. 600....3)

(Fig. 600....4)

DN15-25 Page 8 High temperature steel DN40-50 Fig. 600 Page 12

High pressure bimetallic steam trap PN160 / PN250

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



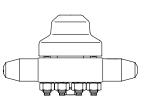
High temperature steel Fig. 600

Page 14

High pressure bimetallic steam trap PN320 / PN400 / PN630

- with flanges (up to PN400) (Fig. 600....1) - with socket weld ends (Fig. 600....3)

- with butt weld ends (Fig. 600....4)

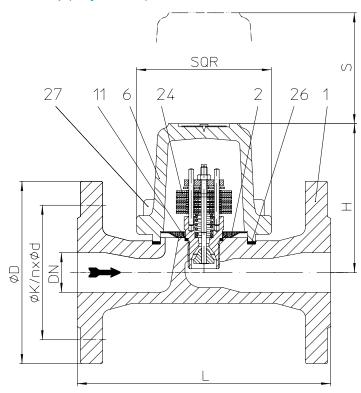


High temperature steel Fig. 600 Page 16

- For discharging of slight to highly sub-cooled condensate
- 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 (PN40, PN63 with R46, DN15-25)
- Gasket-free sealing of the screwed cap (PN40 and PN63 with Cap, DN15-25)
- 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



Bimetallic steam trap (Grey cast iron)



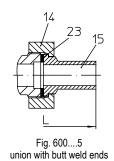


Fig. 600....1 with inside strainer

| Figure | Nominal pressure | Material | Nominal diameter / NPS | Operating pressure PS | Inlet temperature TS | allowable differential pressure ΔPMX | for controller |
|-------------|------------------|-----------|------------------------|-----------------------|-------------------------|--------------------------------------|-------------------|
| 12.600 PN16 | EN 11 4040 | DN15-50 / | 12,8 barg | 200 °C | 12 has | D.10 | |
| | PN16 | EN-JL1040 | 1/2" - 2" | 9,6 barg | 300 °C | — 13 bar | R13 |

For ANSI versions refer to data sheet CONA®B-ANSI

| Types of connection | | |
|------------------------------|-----------------------------------|--|
| Flanges1 | acc. to DIN 2533 or DIN EN 1092-2 | |

• Union butt weld nipples5 __acc. to data sheet resp. customer request

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

Controller

(chooseable for operating range)

Other types of connection on request.

Controller R13 _____up to inlet pressure: 13 bar



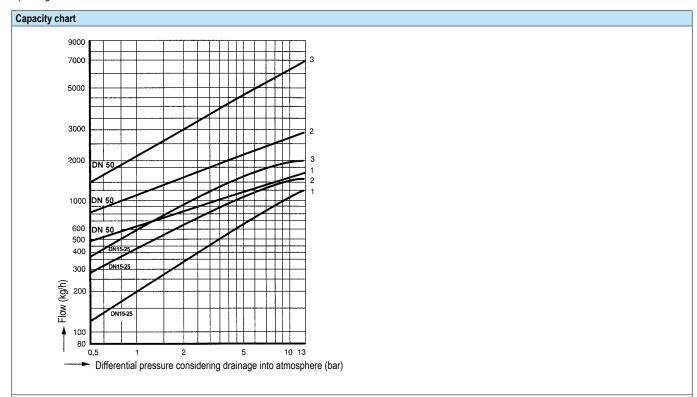
| Types of con | nection | | Flan | ges | Union butt weld nipples | | | | | |
|--|-------------|------|------|----------------------|-------------------------------------|-----------------------------------|--|--|--|--|
| DN | | | 25 | 50 | 15 | 20 | | | | |
| NPS | | | 1" | 2" | 1/2" | 3/4" | | | | |
| Face-to-face acc. to data sheet resp. customer request | | | | | | | | | | |
| L | (| (mm) | 160 | 230 | 190 | 190 | | | | |
| Dimensions | | | | Standard-flange dime | ensions refer to page 19 / Larger n | ominal diameters refer to page 4. | | | | |
| Н | (| (mm) | 100 | 124 | 100 | 100 | | | | |
| S | (| (mm) | 70 | 90 | 70 | 70 | | | | |
| SQR | (| (mm) | 85 | 105 | 85 | 85 | | | | |
| Weights | | | | | | | | | | |
| Fig. 600 | (approx.) (| (kg) | 4,6 | 10 | 2,6 | 2,3 | | | | |

| Parts | | | | | | | | |
|-------|-------|-------------------|---|--|--|--|--|--|
| Pos. | Sp.p. | Description | Fig. 12.600 | | | | | |
| 1 | | Body | EN-GJL-250, EN-JL1040 | | | | | |
| 2 | х | Strainer | X5CrNi18-10, 1.4301 | | | | | |
| 6 | | Cover | EN-GJL-250, EN-JL1040 | | | | | |
| 11 | х | Sealing ring | CU | | | | | |
| 14 | | Union nut | 11SMn30+C, 1.0715+C | | | | | |
| 15 | | Welding end | C15, 1.0401 | | | | | |
| 23 | х | Sealing ring | Novapress MULTI | | | | | |
| 24 | х | Controller, cpl. | TB 102 / 85 (corrosion resistant bimetal) | | | | | |
| 26 | х | Gasket | Graphite (CrNi laminated with graphite) | | | | | |
| 27 | | Cheese head screw | A2-70 | | | | | |
| | L Spa | re 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.)

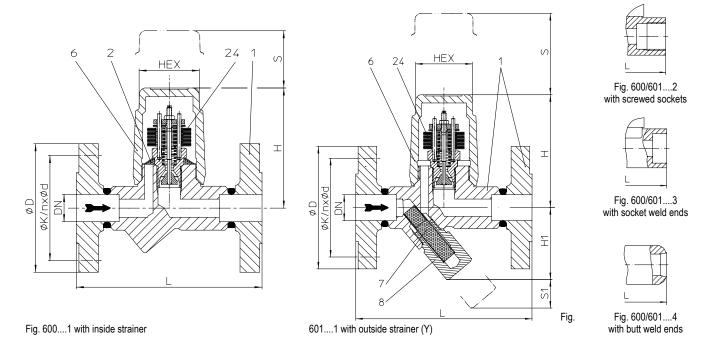
Curve 1: Maximum flow of hot condensate at approx. 10 K below saturation temperature.

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).



Bimetallic steam trap (Forged steel, High temperature steel, Stainless steel)



| Figure | Nominal pressure | Material | Nominal diameter / NPS | Operating pressure PS | Inlet temperature TS | allowable differential pressure ΔPMX | for controller |
|---------------------------|------------------|----------|------------------------|-----------------------|-------------------------|--------------------------------------|-------------------|
| | | | | 32 barg | 250 °C | | R32 R22 R13 |
| 45.600 45.601 (Y) | PN40 | 1.0460 | DN15-25 / 1/2" - 1" | 22 barg | 385 °C | | |
| | | | | 14,5 barg | 450 °C | | |
| | | | | 35 barg | 300 °C | 32 bar - 22 bar | |
| 85.600 85.601 (Y) | PN40 | 16Mo3 | DN15-25 / 1/2" - 1" | 32 barg | 335 °C | 13 bar | |
| 00.001 (1) | | | | 28 barg | 450 °C | 10 501 | |
| 55.600 55.601 (Y) PN40 | DNIAO | | DN15-25 / | 32 barg | 350 °C | | |
| | PN4U | 1.4541 | 1/2" - 1" | 22 barg | 400 °C | | |

For ANSI versions refer to data sheet CONA®B-ANSI

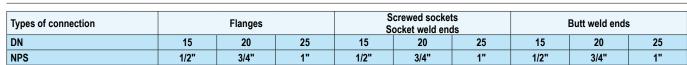
| Types of connection | | Other types of connection on request. |
|---------------------|--|---------------------------------------|
| Flanges1 | _acc. to DIN 2635 or DIN EN 1092-1 | |
| Screwed sockets2 | _Rp thread acc. to DIN EN 10226-1 or NPT thread acc. to ANSI B1.20.1 | |
| Socket weld ends3 | _acc. to DIN EN 12760 | |
| Butt weld ends4 | _Weld preparation acc. to EN ISO 9692 identification No. 1.3 and 1.5 (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)
- 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 | (chooseable for operating range) |
| Controller R13up to inlet pressure: 13 bar | |
| Controller R22up to inlet pressure: 22 bar | |
| Controller R32up to inlet pressure: 32 bar | |
| Options | (Design refer to page 5) |
| Outside strainer with blow down valve (Pos. 46) | |

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





| Face-to-face acc. to data sl | heet resp | . customer red | quest | | | | | | | |
|------------------------------|-----------|----------------|-------|-----|----|----|----|-----|-----|-----|
| L | (mm) | 150 | 150 | 160 | 95 | 95 | 95 | 250 | 250 | 250 |

| Dimensions | | | | | Standard-flange dimensions refer to page 19 / Larger nominal diameters refer to page 6. | | | | | | |
|------------|------|----|----|----|---|----|-----|----|----|----|--|
| 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 | | | | | | | | | | |
|----------------|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Fig. 600 / 601 | (approx.) (kg) | 3,2 | 3,7 | 4,2 | 1,7 | 1,6 | 2,1 | 2,2 | 2,3 | 2,4 |

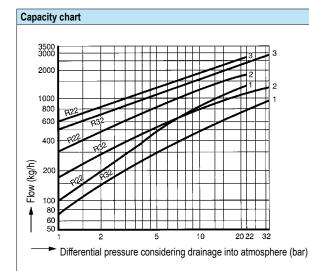
| Parts | | | | | | |
|-------|----------------------------------|-----------------------------------|--------------------------------------|----------------------|-----------------------|--|
| Pos. | Sp.p. | Description | Fig. 45.600 / 45.601 | Fig. 85.600 / 85.601 | Fig. 55.600 / 55.601 | |
| 1 | | Body | P250 GH, 1.0460 | 16Mo3, 1.5415 | X6CrNiTi18-10, 1.4541 | |
| 2 | 2 x Strainer X5CrNi18-10, 1.4301 | | | | | |
| 6 | | Сар | P250 GH, 1.0460 | 16Mo3, 1.5415 | X6CrNiTi18-10, 1.4541 | |
| 7 | x Strainer X5CrNi18-10, 1.4301 | | | | | |
| 8 | Х | Strainer plug | X6CrNiTi18-10, 1.4541 | | | |
| 24 | Х | Controller, cpl. | TB 102 / 85 (corrosion resistant bir | metal) | | |
| 46 | х | Blow down valve, cpl. | X6CrNiTi18-10, 1.4541 | | | |
| 56 | Х | Ball valve for blow down (G 3/8") | GX5CrNiMo19-11-2, 1.4408 | | | |
| | L Spar | re parts | | | | |

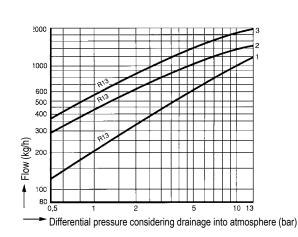
Information / restriction of technical rules need to be observed!

ARMATUREN

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.)

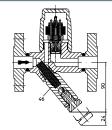
Curve 1: Maximum flow of hot condensate at approx. 10 K below saturation temperature.

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

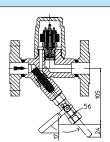
Curve 3: Maximum flow at cold condensate at about 20°C (during start-up of a cold installation).

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

Options



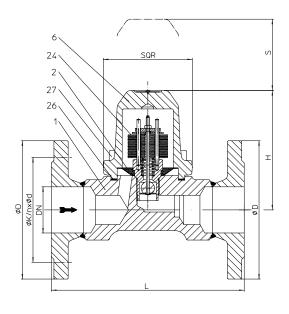
Outside strainer with blow down valve

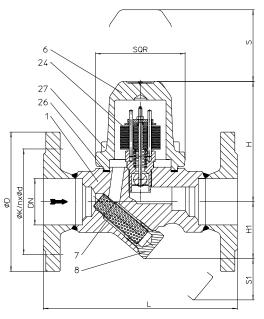


Ball valve with adapter for blow down with internal strainer (restricted to 16 bar, 210°C)



Bimetallic steam trap (Forged steel, High temperature steel, Stainless steel)





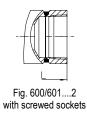




Fig. 600/601....3 with socket weld ends



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 | Nominal diameter / NPS | Operating pressure PS | Inlet temperature TS | allowable differential pressure ΔPMX | for controller |
|----------------------|------------------|----------|--------------------------|-----------------------|-------------------------|--------------------------------------|-------------------|
| | | | | 32 barg | 250 °C | | |
| 45.600 45.601 (Y) | PN40 | 1.0460 | DN40-50 / 1 1/2" - 2" | 22 barg | 385 °C | | |
| | | | 1 1/2 2 | 14,5 barg | 450 °C | | |
| | | | | 35 barg | 300 °C | 32 bar | R32 R22 R13 |
| 85.600 85.601 (Y) | PN40 | 16Mo3 | DN40-50 / 1 1/2" - 2" | 32 barg | 335 °C | 22 bar 13 bar | |
| 55.600 55.601 (Y) | | | 1.172 2 | 28 barg | 450 °C | 10 501 | |
| | DNI40 | 4.4544 | DN40-50 / | 32 barg | 350 °C | | |
| | PN40 | 1.4541 | 1 1/2" - 2" | 22 barg | 400 °C | | |

For ANSI versions refer to data sheet CONA®B-ANSI

| Types of connection | | Other types of connection on request. |
|---------------------|---|---------------------------------------|
| • Flanges1 | _acc. to DIN 2635 or DIN EN 1092-1 | |
| Screwed sockets2 | _Rp thread acc. to DIN EN 10226-1 or NPT thread acc. to ANSI B1.20.1 | |
| Socket weld ends3 | _acc. to DIN EN 12760 | |
| Butt weld ends4 | _Weld preparation acc. to EN ISO 9692 identification No. 1.3 and 1.5 | |
| | (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)
- · Installation in any position, except cover downwards
- Subcooling of condensate is continuously adjustable (observe the operation instructions)

| Cabbooming of contacticate to continuously adjustable (observe the operation metactions) | |
|--|----------------------------------|
| Controller | (chooseable for operating range) |
| Controller R13up to inlet pressure: 13 bar | |
| Controller R22up to inlet pressure: 22 bar | |
| Controller R32up to inlet pressure: 32 bar | |
| Options | (Design refer to page 5) |
| | |

- Outside strainer with blow down valve (Pos. 46)
- Ball valve for blow down (pos. 56) with internal strainer (Observe operating and installation instructions!)

PN40 - DN40-50



| Types of connection | Flanges | | | sockets reld ends | Butt weld ends | | |
|---------------------|---------|----|--------|----------------------|----------------|----|--|
| DN | 40 | 50 | 40 | 50 | 40 | 50 | |
| 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 | 130 / 160 ¹⁾ | 210 | 250 | 250 | | |

1) Construction with screwed sockets

| Dimensions | | | | | | Standard-flange dimen | sions refer to page 19 |
|------------|------|-----|-----|-----|-----|-----------------------|------------------------|
| Н | (mm) | 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 |

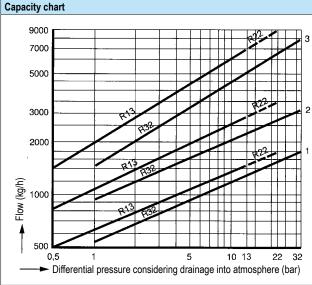
| Weights | | | | | | | | | | |
|----------------|-----------|------|------|------|---|---|-----|-----|--|--|
| Fig. 600 / 601 | (approx.) | (kg) | 11,3 | 12,1 | 8 | 8 | 8,9 | 9,8 | | |

| Parts | | | | | | | | | | |
|-------|-------|-----------------------------------|------------------------------|-----------------------|-----------------------|--|--|--|--|--|
| Pos. | Sp.p. | Description | Fig. 45.600 / 45.601 | Fig. 85.600 / 85.601 | Fig. 55.600 / 55.601 | | | | | |
| 1 | | Body | P250 GH, 1.0460 | 16Mo3, 1.5415 | X6CrNiTi18-10, 1.4541 | | | | | |
| 2 | х | Strainer | X5CrNi18-10, 1.4301 | | | | | | | |
| 6 | | Cover | P250 GH, 1.0460 | 16Mo3, 1.5415 | X6CrNiTi18-10, 1.4541 | | | | | |
| 7 | х | Strainer | X5CrNi18-10, 1.4301 | X5CrNi18-10, 1.4301 | | | | | | |
| 8 | х | Strainer plug | X6CrNiTi18-10, 1.4541 | X6CrNiTi18-10, 1.4541 | | | | | | |
| 24 | х | Controller, cpl. | TB 102 / 85 (corrosion resis | stant bimetal) | | | | | | |
| 26 | х | Gasket | Graphite (CrNi laminated w | ith graphite) | | | | | | |
| 27 | | Cheese head screw | 21CrMoV 5-7, 1.7709 | | | | | | | |
| 46 | х | Blow down valve, cpl. | X6CrNiTi18-10, 1.4541 | | | | | | | |
| 56 | х | Ball valve for blow down (G 3/8") | GX5CrNiMo19-11-2, 1.440 | 3 | | | | | | |
| | L Spa | re 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).

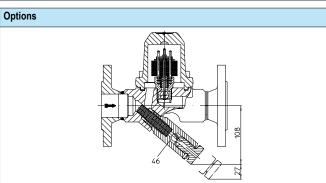
Operating and installation instructions can be downloaded at www.ari-armaturen.com.

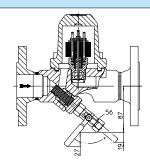


The capacity chart shows the maximum capacity at factory setting. (Other factory-settings for the sub-cooling on request.)

- Curve 1: Maximum flow of hot condensate 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.





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

Outside strainer with blow down valve



Bimetallic steam trap (High temperature steel)

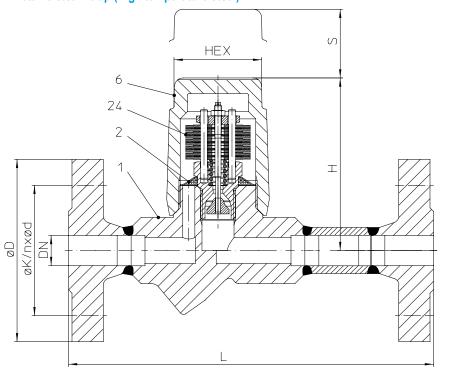




Fig. 600....3 with socket weld ends



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

Fig. 600....1 with inside strainer

| Figure | Nominal pressure | Material | Nominal diameter / NPS | Operating pressure PS | Inlet temperature TS | allowable differential pressure ΔPMX | for controller |
|--------|------------------|----------|------------------------|-----------------------|-------------------------|--------------------------------------|-------------------|
| 86.600 | PN63 | 16Mo3 | DN15-25 / 1/2" - 1" | 46 barg | 425 °C | 46 bar | D46 |
| | | 101003 | | 45 barg | 450 °C | 40 Dai | R46 |

For ANSI versions refer to data sheet CONA®B-ANSI

| Types of connection | | Other types of connection on request. |
|---------------------|---|---------------------------------------|
| Flanges1 | _acc. to DIN 2636 or DIN EN 1092-1 | |
| Socket weld ends3 | _acc. to DIN EN 12760 | |
| Butt weld ends4 | Weld preparation acc. to EN ISO 9692 identification No. 1.3 and 1.5 | |
| | (Note restriction on operating pressure / inlet temperature depending to design!) | |

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
- · With inside strainer
- 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

(chooseable for operating range)

Controller R46 _____up to inlet pressure: 46 bar



| Types of connection | Flanges | | | Socket weld ends | | | Butt weld ends 2) | | |
|---------------------|---------|--------------------|----|------------------|------|----|-------------------|------|----|
| DN | 15 | 20 1) | 25 | 15 | 20 | 25 | 15 | 20 | 25 |
| NPS | 1/2" | 3/4" ¹⁾ | 1" | 1/2" | 3/4" | 1" | 1/2" | 3/4" | 1" |

1) acc. to DIN EN 1092-1

2) Please indicate dimension of the tube when ordering

| Face-to-face acc. to data s | Face-to-face acc. to data sheet resp. customer request | | | | | | | | | | |
|-----------------------------|--|-----|-----|-----|----|----|----|-----|-----|-----|--|
| L | (mm) | 210 | 210 | 230 | 95 | 95 | 95 | 250 | 250 | 250 | |

| Dimensions Standard-flange dimensions refer to page | | | | | | | | | | | |
|---|------|----|----|----|----|----|-----|----|----|----|--|
| Н | (mm) | 98 | 98 | 98 | 98 | 98 | 103 | 98 | 98 | 98 | |
| S | (mm) | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | |
| HEX | (mm) | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | |

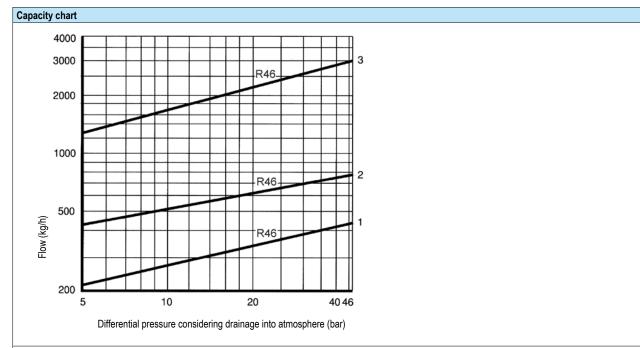
| Weights | | | | | | | | | | |
|----------|----------------|-----|-----|---|-----|-----|-----|-----|-----|-----|
| Fig. 600 | (approx.) (kg) | 4,1 | 5,6 | 7 | 1,7 | 1,6 | 2,1 | 2,2 | 2,3 | 2,4 |

| Parts | arts | | | | | | | | |
|-------|-------------------------------|------------------|---|--|--|--|--|--|--|
| Pos. | Sp.p. Description Fig. 86.600 | | | | | | | | |
| 1 | | Body | 16Mo3, 1.5415 | | | | | | |
| 2 | х | Strainer | X5CrNi18-10, 1.4301 | | | | | | |
| 6 | | Сар | 16Mo3, 1.5415 | | | | | | |
| 24 | х | Controller, cpl. | TB 102 / 85 (corrosion resistant bimetal) | | | | | | |
| | L Spare 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.

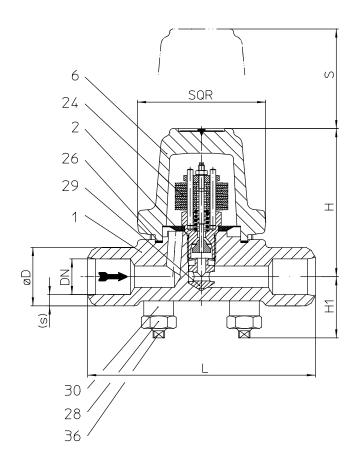
(For operating pressures below 5 bar, a correction of the factory-setting acc. to manufacturers information is recommended.)

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).





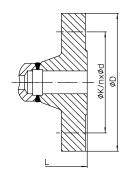


Fig. 600....1 with flanges

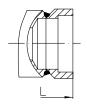


Fig. 600....3 with socket weld ends

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

| Nominal pressure | Material | Nominal diameter / NPS | Operating pressure PS | Inlet temperature TS | allowable differential pressure ΔPMX | for controller |
|-------------------|----------|------------------------|---|---|---|--|
| 86.600 PN63 16Mo3 | | | 56 barg | 300 °C | | |
| | | 47 barg | 400 °C | 56 bar | R56 | |
| | | | 45 barg | 450 °C | | |
| | | | 90 barg | 450 °C | 50.1 | R56 R90 |
| 87.600 PN100 | 16Mo3 | DN15-25 / | 56 barg | 500 °C | | |
| | | | 27 barg | 530 °C | 30 Dai | 130 |
| | PN63 | PN63 16Mo3 | pressure Material diameter / NPS PN63 16Mo3 DN15-25 / 1/2" - 1" | PN63 Material diameter / NPS PS DN15-25 / 1/2" - 1" 56 barg 47 barg 45 barg 90 barg PN100 16Mo3 DN15-25 / 1/2" - 1" 56 barg 56 barg | PN63 Material diameter / NPS PS TS DN15-25 / 1/2" - 1" 56 barg 300 °C 47 barg 400 °C 45 barg 450 °C 90 barg 450 °C PN100 16Mo3 DN15-25 / 1/2" - 1" 56 barg 500 °C | PN63 I6Mo3 DN15-25 / 1/2" - 1" FS TS pressure ΔPMX PN100 16Mo3 DN15-25 / 1/2" - 1" 47 barg 400 °C 56 bar PN100 16Mo3 DN15-25 / 1/2" - 1" 90 barg 450 °C 56 bar PN100 16Mo3 DN15-25 / 1/2" - 1" 56 barg 500 °C 56 bar |

For ANSI versions refer to data sheet CONA®B-ANSI

| Types of connec | tion | Other types of connection on request. |
|-----------------|--|---------------------------------------|
| • Flanges1 | acc. to DIN 2636 or DIN EN 1092-1 (PN63) DIN 2637 or DIN EN 1092-1 (PN63) | N100) |
| Socket weld en | ds3acc. to DIN EN 12760 | |
| Butt weld ends | | |
| | (Note restriction on operating pressure / inlet temperature depending to des | ign!) |

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 R90 up to inlet pressure: 90 bar

(chooseable for operating range)



| Types of connection | Flanges | | | Socket weld ends | | | Butt weld ends ²⁾ | | |
|---------------------|---------|---------------------------|----|------------------|------|----|------------------------------|------|----|
| DN | 15 | 20 ¹⁾ | 25 | 15 | 20 | 25 | 15 | 20 | 25 |
| NPS | 1/2" | 3/4" ¹⁾ | 1" | 1/2" | 3/4" | 1" | 1/2" | 3/4" | 1" |

1) Flanges acc. to DIN EN 1092-1

²⁾ Please indicate dimension of the tube when ordering

| Face-to-face acc. to data s | Face-to-face acc. to data sheet resp. customer request | | | | | | | | | |
|-----------------------------|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| L | (mm) | 210 | 210 | 230 | 160 | 160 | 160 | 160 | 160 | 160 |

| Dimensions Standard-flange dimensions refer to page 19 / Larger nominal diameters (PN63) refer to page 12 | | | | | | | | | fer to page 12. | |
|---|------|-----|-----|-----|-----|-----|-----|-----|-----------------|-----|
| 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 |

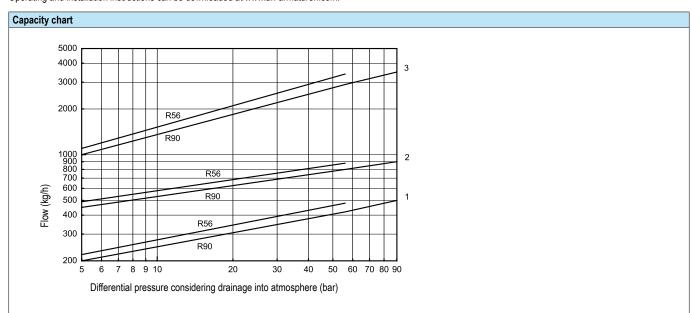
| Weights | | | | | | | | | | |
|----------|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Fig. 600 | (approx.) (kg) | 6,2 | 7,7 | 9,3 | 4,6 | 4,5 | 4,4 | 4,6 | 4,5 | 4,4 |

| Parts | | | |
|-------|-------|-------------------|---|
| Pos. | Sp.p. | Description | Fig. 86.600 / 87.600 |
| 1 | | Body | 16Mo3, 1.5415 |
| 2 | х | Strainer | X5CrNi18-10, 1.4301 |
| 6 | | Cover | 16Mo3, 1.5415 |
| 24 | х | Controller, cpl. | TB 102 / 85 (corrosion resistant bimetal) |
| 26 | х | Gasket | Graphite (CrNi laminated with graphite) |
| 28 | | Hexagonal nut | 21CrMoV 5-7, 1.7709 |
| 29 | х | Erosion deflector | X8CrNiS18-9, 1.4305 |
| 30 | | Extension sleeve | 21CrMoV 5-7, 1.7709 |
| 36 | | Stud | 21CrMoV 5-7, 1.7709 |
| | L Spa | re 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 flow at factory setting.

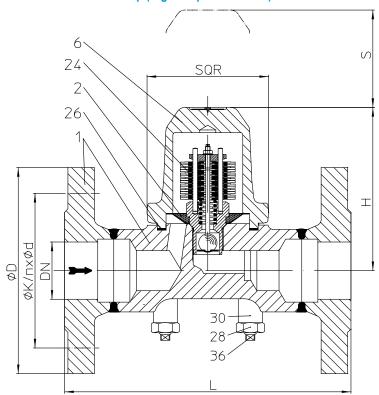
(For operating pressures below 5 bar, a correction of the factory-setting acc. to manufacturers information is recommended.)

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).





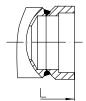


Fig. 600....3 with socket weld ends

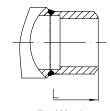


Fig. 600....4 with butt weld ends

Fig. 600....1 with flanges

| Figure | Nominal pressure | Material | Nominal diameter / NPS | Operating pressure PS | Inlet temperature TS | allowable differential pressure ΔPMX | for controller |
|-------------|------------------|--------------------------|------------------------|-----------------------|-------------------------|--------------------------------------|-------------------|
| | | | | 56 barg | 300 °C | 50.1 | D50 |
| 86.600 PN63 | 16Mo3 | DN40-50 / 1 1/2" - 2" | 50 barg | 350 °C | 56 bar 32 bar | R56 R32 | |
| | | | ,,, | 45 barg | 450 °C | JZ Dai | R32 |

For ANSI versions refer to data sheet CONA®B-ANSI

| Types of connection | | Other types of connection on request. |
|---------------------|---|---------------------------------------|
| Flanges1 | _acc. to DIN 2636 or DIN EN 1092-1 | |
| Socket weld ends3 | _acc. to DIN EN 12760 | |
| Butt weld ends4 | Weld preparation acc. to EN ISO 9692 identification No. 1.3 and 1.5 | |
| | (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
- 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 | | (chooseable for operating range) |
|----------------|------------------------------|----------------------------------|
| Controller R56 | up to inlet pressure: 56 bar | |
| Controller R32 | up to inlet pressure: 32 bar | |



| Types of connection | Flanges | | Socket w | veld ends | Butt weld ends 1) | |
|---------------------|---------|----|----------|-----------|-------------------|----|
| DN | 40 | 50 | 40 | 50 | 40 | 50 |
| NPS | 1 1/2" | | 1 1/2" | 2" | 1 1/2" | 2" |

1) Please indicate dimension of the tube when ordering

| Face-to-face acc. to data sheet resp. customer request | | | | | | | | |
|--|------|-----|-----|-----|-----|-----|-----|--|
| L | (mm) | 260 | 300 | 130 | 210 | 250 | 250 | |

| Dimensions | | | | Standard-flange dimensions refer to page 19 / Smaller nominal diameters refer to page 10 | | | | |
|------------|------|-----|-----|--|-----|-----|-----|--|
| Н | (mm) | 144 | 144 | 144 | 144 | 144 | 144 | |
| S | (mm) | 90 | 90 | 90 | 90 | 90 | 90 | |
| SQR | (mm) | 110 | 110 | 110 | 110 | 110 | 110 | |

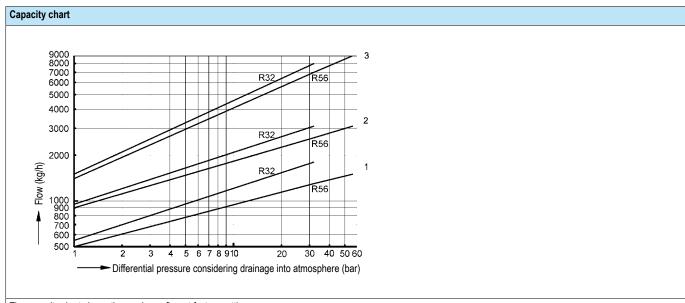
| Weights | | | | | | | | |
|----------|----------------|------|------|---|---|-----|-----|--|
| Fig. 600 | (approx.) (kg) | 13,3 | 14,1 | 8 | 8 | 8,9 | 9,8 | |

| Parts | arts | | | | | | | | |
|-------|---------------|-------------------------------|---|--|--|--|--|--|--|
| Pos. | Sp.p. | Sp.p. Description Fig. 86.600 | | | | | | | |
| 1 | | Body | 16Mo3, 1.5415 | | | | | | |
| 2 | х | Strainer | X5CrNi18-10, 1.4301 | | | | | | |
| 6 | | Cover | 16Mo3, 1.5415 | | | | | | |
| 24 | х | Controller, cpl. | TB 102 / 85 (corrosion resistant bimetal) | | | | | | |
| 26 | х | Gasket | Graphite (CrNi laminated with graphite) | | | | | | |
| 28 | | Hexagonal nut | 21CrMoV 5-7, 1.7709 | | | | | | |
| 30 | | Extension sleeve | 21CrMoV 5-7, 1.7709 | | | | | | |
| 36 | | Stud | 21CrMoV 5-7, 1.7709 | | | | | | |
| | L Spare 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 flow at factory setting.

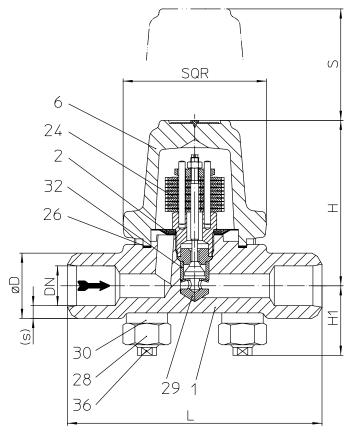
(For operating pressures below 5 bar, a correction of the factory-setting acc. to manufacturers information is recommended.)

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).





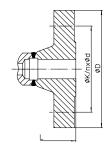


Fig. 600....1 with flanges



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

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

| Figure | Nominal pressure | Material | Nominal diameter / NPS | Operating pressure PS | Inlet temperature TS | allowable differential pressure ΔPMX | for controller |
|----------|------------------|--------------|------------------------|-----------------------|-------------------------|--------------------------------------|-------------------|
| 88.600 | | 13CrMo4-5 | DN15-25 / 1/2" - 1" | 153 barg | 350 °C | | |
| | PN160 | | | 100 barg | 510 °C | 110 bar | R130 |
| | PINTOU | | | 62 barg | 530 °C | | |
| | | | | 35 barg | 550 °C | | |
| | | 10CrMo9-10 | DN15-25 / 1/2" - 1" | 184 barg | 500 °C | | R150 |
| 90 600 | PN250 | | | 154 barg | 510 °C | 154 bar | |
| 89.600 | PINZOU | | | 108 barg | 530 °C | 154 bai | |
| | | | | 81 barg | 550 °C | | |
| E. ANOL' | | ONIA®D ANIOI | 1 | | | | |

For ANSI versions refer to data sheet CONA®B-ANSI

| Types of connection | Other types of connection on request. |
|---|---------------------------------------|
| • Flanges1acc. to DIN 2638, DIN 2628 or DIN EN 1092-1 | |
| Socket weld ends3acc. to DIN EN 12760 | |
| Butt weld ends4Weld preparation acc. to EN ISO 9692 identification No. 1.3 and 1.5 (Note restriction on operating pressure / inlet temperature depending to design!) | |
| First | · |

- 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 | (chooseable for operating range) | |
|-----------------|----------------------------------|---|
| Controller R130 | up to inlet pressure: 110 bar | ١ |
| Controller R150 | up to inlet pressure: 154 bar | |

Dutt wold ands 1)



| types of connection | | riar | iges | Socket weld ends | | | butt weld ends 7 | | |
|------------------------|-----------------|------------------|------|------------------|------|-------|-------------------|-------------------|------------------|
| DN | | 15 | 25 | 15 | 20 | 25 | 15 | 20 | 25 |
| NPS | | 1/2" | 1" | 1/2" | 3/4" | 1" | 1/2" | 3/4" | 1" |
| | | | | | | 1) PI | ease indicate dim | ension of the tub | e when ordering |
| Face-to-face acc. to o | data sheet resp | o. customer requ | iest | | | | | | |
| L | (mm) | 210 | 230 | 160 | 160 | 160 | 160 | 160 | 160 |
| Dimensions | | | | | | | Standard-fla | ange dimensions | refer to page 19 |
| Н | (mm) | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 |
| H1 | (mm) | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 |
| S | (mm) | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 |
| SQR | (mm) | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 |
| Weights | | | | | | | | | |
| Fig. 600 (app | orox.) (kg) | 6,4 | 9,6 | 4,8 | 4,7 | 4.6 | 4,8 | 4,7 | 4,6 |

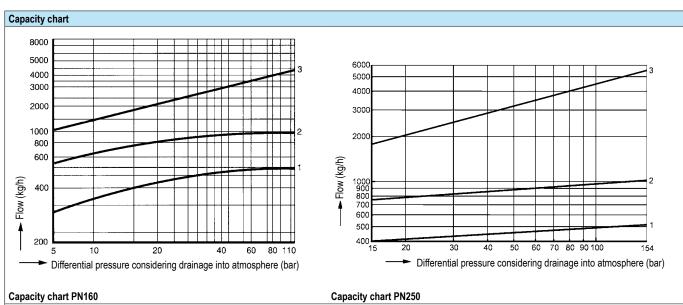
Cooket wald and

| Parts | | | | | | | | | | |
|-------|-------|-------------------|---|----------------------|--|--|--|--|--|--|
| Pos. | Sp.p. | Description | Fig. 88.600 | Fig. 89.600 | | | | | | |
| 1 | | Body | 13CrMo4-5, 1.7335 | 10CrMo9-10, 1.7380 | | | | | | |
| 2 | х | Strainer | X5CrNi18-10, 1.4301 | | | | | | | |
| 6 | | Cover | 13CrMo4-5, 1.7335 10CrMo9-10, 1.7380 | | | | | | | |
| 24 | х | Controller, cpl. | TB 102 / 85 (corrosion resistant bimetal) | | | | | | | |
| 26 | х | Gasket | Graphite (CrNi laminated with graphite) | | | | | | | |
| 28 | | Hexagonal nut | 21CrMoV 5-7, 1.7709 | X22CrMoV12-1, 1.4923 | | | | | | |
| 29 | х | Erosion deflector | X8CrNiS18-9, 1.4305 | | | | | | | |
| 30 | | Extension sleeve | 21CrMoV 5-7, 1.7709 | X22CrMoV12-1, 1.4923 | | | | | | |
| 32 | х | Clamping sleeve | X39CrMo17-1+QT, 1.4122+QT | | | | | | | |
| 36 | | Stud | 21CrMoV 5-7, 1.7709 | X22CrMoV12-1, 1.4923 | | | | | | |
| | L Spa | L Spare 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.

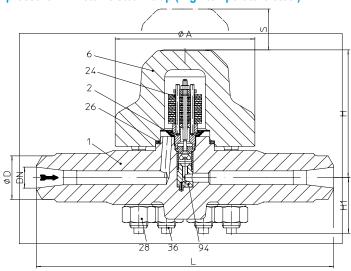
(For operating pressures below 15 bar, a correction of the factory-setting acc. to manufacturers information is recommended.)

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).





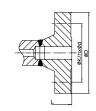


Fig. 600....1 (PN320 / 400) with flanges



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

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

| Figure | Nominal pressure | Material | Nominal diameter / NPS | Operating pressure PS | Inlet temperature TS | allowable differential pressure ΔPMX | for controller |
|--------|------------------|-----------------------|------------------------|-----------------------|-------------------------|--------------------------------------|----------------|
| | | | | 200 barg | 510 °C | | |
| 9~ 600 | DN300 | 10CrMo9-10, | DN15-25 / | 139 barg | 530 °C | 200 bar | R270 |
| 8a.600 | PN320 | 1.7380 | 1/2" - 1" | 121 barg | 540 °C | 200 bai | |
| | | | | 104 barg | 550 °C | | |
| | | | DN15-25 / 1/2" - 1" | 250 barg | 510 °C | | R270 |
| oh 600 | PN400 | 10CrMo9-10, | | 174 barg | 530 °C | 250 bar | |
| 8b.600 | PN400 | 1.7380 | | 151 barg | 540 °C | | |
| | | | | 130 barg | 550 °C | | |
| | | 10CrMo9-10, 1.7380 | DN15-25 / 1/2" - 1" | 270 barg | 547 °C | 270 bar | R270 |
| | | | | 250 barg | 550 °C | | |
| | | | | 216 barg | 560 °C | | |
| | | | | 162 barg | 580 °C | | |
| | | | | 298 barg | 550 °C | | R2/U |
| 3c.600 | PN630 | X10CrMo VNb9-1, | DN15-25 / | 270 barg | 581 °C | | |
| 00.000 | FINOSU | 1.4903 | 1/2" - 1" | 205 barg | 590 °C | | |
| | | | | 130 barg | 600 °C | | |
| | | | | 320 barg | 600 °C | | |
| | | X10CrWMo VNb9-2, | DN15-25 / | 300 barg | 610 °C | 200 h | R320 |
| | | 1.4901 | 1/2" - 1" | 220 barg | 630 °C | 320 bar | KJZU |
| | | 1.1001 | | 160 barg | 650 °C | | |

For ANSI versions refer to data sheet CONA®B-ANSI

Types of connection Other types of connection on request. Flanges1 ______acc. to DIN 2629, DIN 2627 or DIN EN 1092-1 Socket weld ends3 ____acc. to DIN EN 12760

Butt weld ends4 ______Weld preparation acc. to EN ISO 9692 identification No. 1.3 and 1.5 (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 R270 ____up to inlet pressure: 270 bar (or to 200 bar at PN320; 250 bar at PN 400)

• Controller R320 ___up to inlet pressure: 320 bar



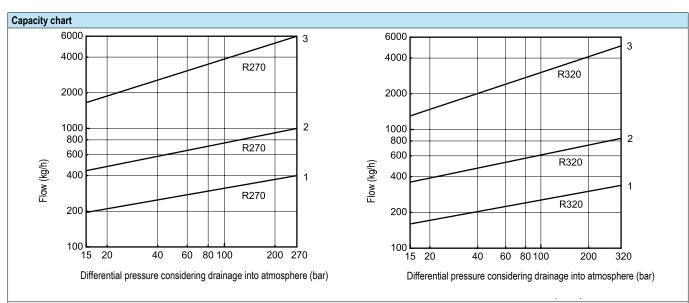
| Types of connection | | | Flan | iges | Socket w | veld ends | d ends 1) | |
|--|----------------|------------|------------------|------|------------------------|-------------|-------------------------|-----------------------|
| DN | | | 15 | 25 | 15 | 25 | 15 | 25 |
| NPS | | | 1/2" | 1" | 1/2" | 1" | 1/2" | 1" |
| | | | | | | 1) Please i | ndicate dimension of th | ne tube when ordering |
| Face-to-face a | cc. to data sl | neet resp. | customer request | | | | | |
| L | | (mm) | 435 | 470 | 330 | 330 | 330 | 330 |
| Dimensions Standard-flange dimensions refe | | | | | sions refer to page 19 | | | |
| Н | | (mm) | 135 | 135 | 135 | 135 | 135 | 135 |
| H1 | | (mm) | 63 | 63 | 63 | 63 | 63 | 63 |
| S | | (mm) | 95 | 95 | 95 | 95 | 95 | 95 |
| Α | | (mm) | 155 | 155 | 155 | 155 | 155 | 155 |
| Weights | | | | | | | | |
| Fig. 600 | (approx.) | (kg) | 27 | 33 | 20 | 19 | 20 | 19 |

| Parts | Parts | | | | | | | |
|-------|---------------|-------------------|---|--|------------------------|--|--|--|
| Pos. | Sp.p. | Description | Fig. 8a.600 / 8b.600 / 8c.600 | Fig. 8c.600 | Fig. 8c.600 | | | |
| 1 | | Body | 10CrMo9-10, 1.7380 | X10CrMoVNb9-1, 1.4903 | X10CrWMoVNb9-2, 1.4901 | | | |
| 2 | Х | Strainer | X5CrNi18-10, 1.4301 | | | | | |
| 6 | | Cover | 10CrMo9-10, 1.7380 | X10CrMoVNb9-1, 1.4903 X10CrWMoVNb9-2, 1. | | | | |
| 24 : | Х | Controller, cpl. | TB 102 / 85 (corrosion resistant bimetal) | | | | | |
| 26 | Х | Spiral gasket | MICA/RGF (CrNi laminated with graphite) | | | | | |
| 28 | | Hexagonal nut | X22CrMoV12-1, 1.4923 | X7CrNiMoBNb16-16, 1.4986 | | | | |
| 36 | | Stud | X22CrMoV12-1, 1.4923 X7CrNiMoBNb16-16, 1.4986 | | | | | |
| | Х | Erosion deflector | X39CrMo17-1+QT, 1.4122+QT | | | | | |
| 94 | х | Clamping sleeve | X39CrMo17-1+QT, 1.4122+QT | | | | | |
| | Х | Taper pin | A2 | | | | | |
| | L Spare 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.

(For operating pressures below 15 bar, a correction of the factory-setting acc. to manufacturers information is recommended.)

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

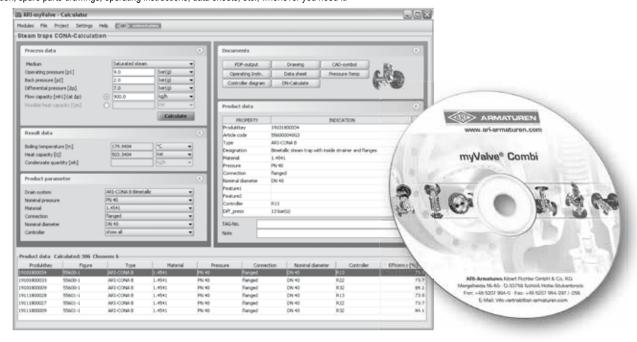
Curve 2: Maximum flow of sub-cooled condensate at approx. 30 K below saturation temperature (with back-up of condensate).

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



myValve[®] - Your 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 $% \left(1\right) =\left(1\right) \left(1\right$
- 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.

CONA®B



| Informations about pipe welding | | | | | | |
|---|----------|---|--|--|--|--|
| Welding groove acc. to DIN 2559 | | | | | | |
| The material used for ARI valves with butt weld ends are: | 1.0619+N | GP240GH+N acc. to DIN EN 10213-2 | | | | |
| | 1.0460 | P250GH acc. to DIN EN 10222-2 | | | | |
| | 1.0401 | C15 acc. to DIN EN 10277-2 | | | | |
| Note: | 1.5415 | 16Mo3 acc. to DIN EN 10222-2 | | | | |
| Note restriction on operating pressure / inlet temperature depending to | 1.4541 | X6CrNiTi18-10 acc. to DIN EN 10222-5 | | | | |
| design! | 1.7335 | 13CrMo4-5 acc. to DIN EN 10222-2 | | | | |
| | 1.7380 | 10CrMo 9-10 acc. to DIN EN 17243 | | | | |
| | 1.4903 | X10CrMoVNb 91 acc. to DIN EN 10222-2 | | | | |
| | 1.4901 | X10CrWMoVNb9-2, 1.4901 acc. to VdTÜV Data sheet 552/3 | | | | |

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.

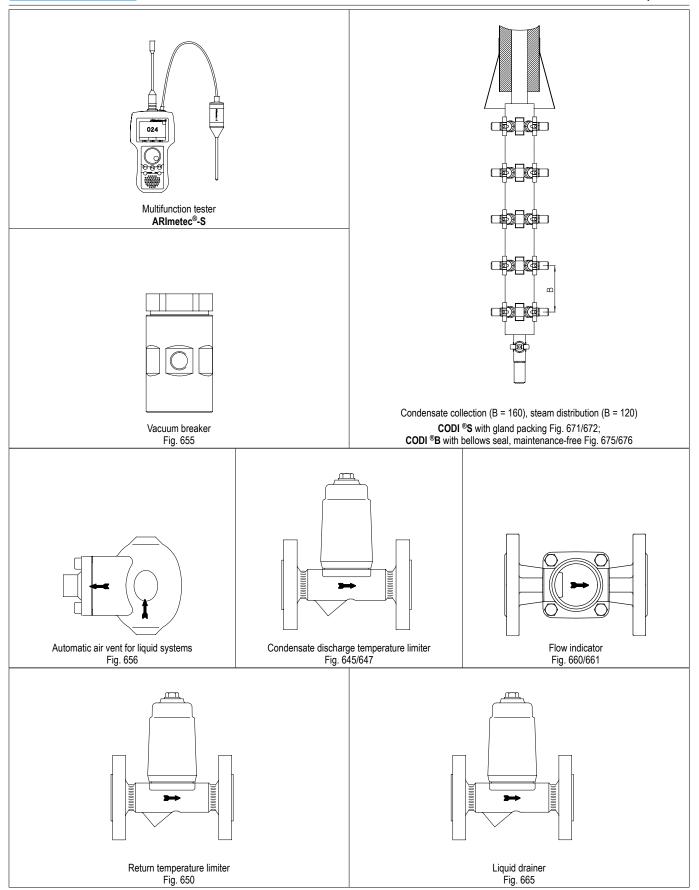
Steam traps with socket-weld ends shall only be welded by arc welding (welding process 111 acc. to DIN EN 24063).

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!

| DN NPS | | | 15 | | 20 | 25 | 32 1 1/4" | 40 | 50 2" |
|-----------|--------|------|--------|--------|---------|--------|--------------|--------|----------|
| | | | 1/2" | 3 | /4" | 1" | | 1 1/2" | |
| PN16 | ØD | (mm) | 95 | 1 | 05 | 115 | 140 | 150 | 165 |
| | ØK | (mm) | 65 | | 75 | 85 | 100 | 110 | 125 |
| | n x Ød | (mm) | 4 x 14 | 4 : | x 14 | 4 x 14 | 4 x 18 | 4 x 18 | 4 x 18 |
| PN40 | ØD | (mm) | 95 | 1 | 05 | 115 | 140 | 150 | 165 |
| | ØK | (mm) | 65 | - | 75 | 85 | 100 | 110 | 125 |
| | n x Ød | (mm) | 4 x 14 | 4 : | x 14 | 4 x 14 | 4 x 18 | 4 x 18 | 4 x 18 |
| PN63 | ØD | (mm) | 105 | 130 | | 140 | | 170 | 180 |
| | ØK | (mm) | 75 | 90 |] [| 100 | | 125 | 135 |
| | n x Ød | (mm) | 4 x 14 | 4 x 18 | acc. to | 4 x 18 | | 4 x 22 | 4 x 22 |
| | ØD | (mm) | 105 | 130 | 1092-1 | 140 | | | - |
| PN100 | ØK | (mm) | 75 | 90 | | 100 | | | |
| | n x Ød | (mm) | 4 x 14 | 4 x 16 | | 4 x 18 | | - | |
| | ØD | (mm) | 105 | | | 140 | | - | |
| PN160 | ØK | (mm) | 75 | | | 100 | | - | |
| | n x Ød | (mm) | 4 x 14 | | | 4 x 18 | | - | - |
| PN250 | ØD | (mm) | 130 | | | 150 | | | - |
| | ØK | (mm) | 90 | | | 105 | | - | |
| | n x Ød | (mm) | 4 x 18 | | | 4 x 22 | | 1 | - |
| PN320 | ØD | (mm) | 130 | | | 160 | | 1 | |
| | ØK | (mm) | 90 | | | 115 | | 1 | |
| | n x Ød | (mm) | 4 x 18 | | | 4 x 22 | | 1 | |
| PN400 | ØD | (mm) | 145 | | | 180 | | | |
| | ØK | (mm) | 100 | | | 130 | | 1 | |
| | n x Ød | (mm) | 4 x 22 | | | 4 x 26 | | | |

| Selection criteria: | | Example for order data: | |
|--|--|---|--|
| Steam pressure | Pipe-connection | Bimetallic steam trap CONA® B, | |
| Back pressure | Controller | | |
| Quantity of condensate | Material | Fig. 600, PN40, DN15, 1.0460, Controller R22, with flanges, | |
| Nominal diameter / pressure | Place of service or kind of steam consumer | Face-to-face dimension 150 mm | |





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









Technology for the Future.

GERMAN QUALITY VALVES