

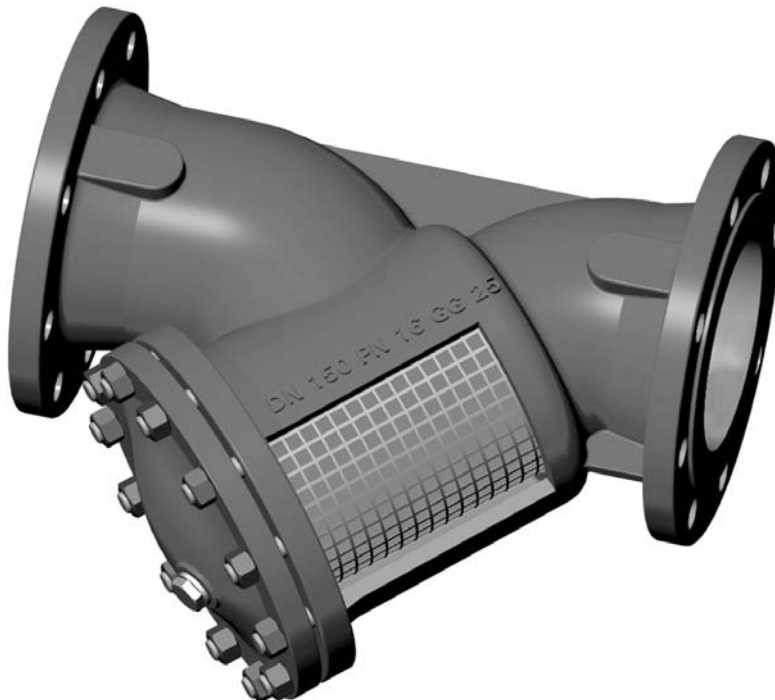
|                       |                    |                          |              |                                                   |
|-----------------------|--------------------|--------------------------|--------------|---------------------------------------------------|
|                       |                    |                          |              | <b>STRAINER with<br/>flanged ends,<br/>Y-type</b> |
| <b>PN6 (0,6 MPa)</b>  | <b>DN 15 - 200</b> | Max. working temperature | <b>300°C</b> | <b>Fig. 821</b>                                   |
| <b>PN16 (1,6 MPa)</b> | <b>DN 15 - 400</b> |                          | <b>350°C</b> |                                                   |
| <b>PN25 (2,5 MPa)</b> | <b>DN 15 - 300</b> |                          | <b>400°C</b> |                                                   |
| <b>PN40 (4,0 MPa)</b> | <b>DN 15 - 200</b> |                          | <b>400°C</b> |                                                   |

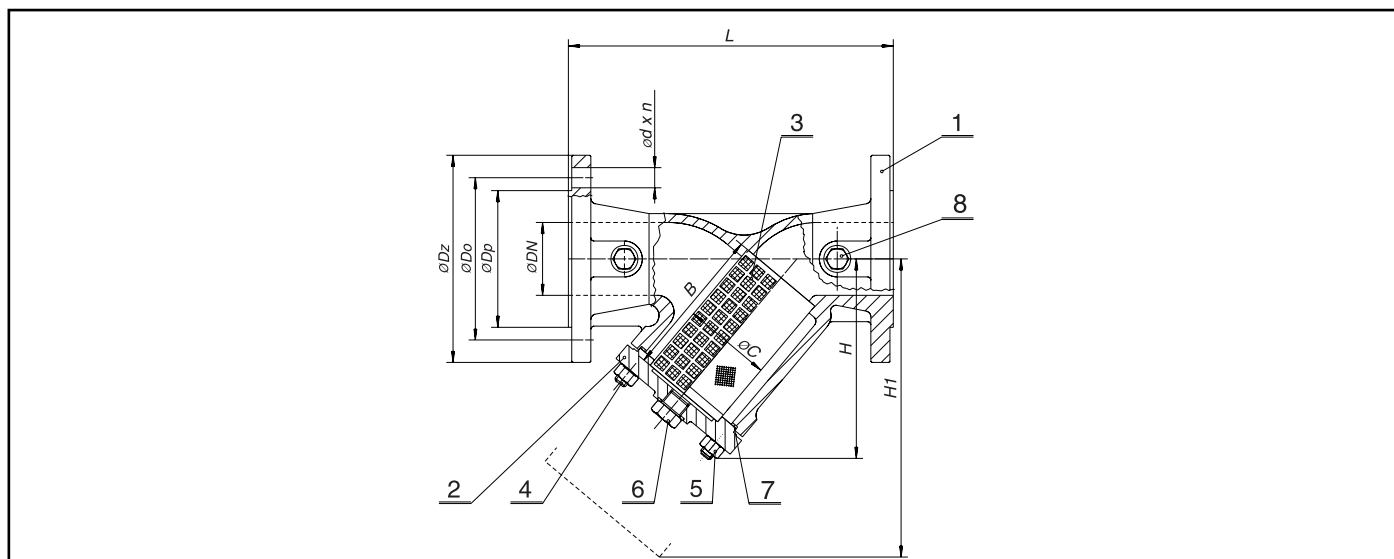
**APPLICATION**

Industrial cold and hot water (also for drinking water), steam, neutral fluids.

**ADVANTAGES**

- screen made of stainless steel,
- strong construction of screen,
- cleaning of screen without disassembling,
- asbestoss free,
- environment-friendly.





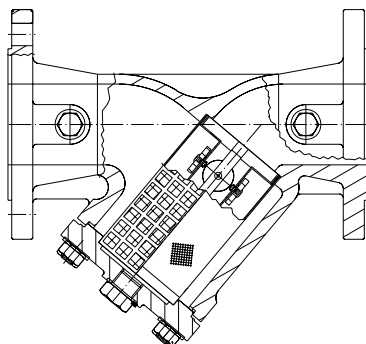
|                |              |                  |           |
|----------------|--------------|------------------|-----------|
| Fig. 821A      | EN-GJL-250   | PN 6             | DN 15-200 |
| Fig. 821A      | EN-GJL-250   | PN 16            | DN 15-400 |
| Fig. 821D      | EN-GJS-500-7 | PN 16            | DN 15-300 |
| Fig. 821D      | EN-GJS-500-7 | PN 25            | DN 15-300 |
| Fig. 821F      | GP240GH      | PN 40            | DN 15-200 |
| Body + bonnet  |              |                  |           |
| A - EN-GJL-250 |              | D - EN-GJS-500-7 |           |
|                |              | F - GP240GH      |           |

| • MATERIALS                |                 |       | PN 6<br>PN 16          | PN 16<br>PN 25 | PN40    |
|----------------------------|-----------------|-------|------------------------|----------------|---------|
| 1.                         | Body            |       | EN-GJL-250             | EN-GJS-500-7   | GP240GH |
| 2.                         | Bonnet          |       |                        |                |         |
| 3.                         | Strainer screen |       | X5CrNi 18-10 1.4301    |                |         |
| 4.                         | Studs           |       | 8.8                    | A2-70          | Ck 35   |
| 5.                         | Hexagon nuts    |       | 8                      | A2-70          | -       |
| 6.                         | Emptying screw  |       | 45 (C45) ➡ galvanizing |                | Ck 35   |
|                            |                 |       | A2                     |                |         |
| 7.                         | Gasket          |       | Graphit - CrNiSt       |                |         |
| 8.*                        | Plug            | G1/4" | 45 (C45) ➡ galvanizing |                | -       |
| -                          | Plug's gaskets  |       | A4(WNR-1.4571)         |                | -       |
| * – on request (add. cost) |                 |       |                        |                |         |

| DN  | L    | PN 6 |     |     |        | PN 16 |     |     |         | PN 25 |     |     |         | PN 40 |     |     |         |
|-----|------|------|-----|-----|--------|-------|-----|-----|---------|-------|-----|-----|---------|-------|-----|-----|---------|
|     |      | Dz   | Dp  | Do  | n x d  | Dz    | Dp  | Do  | n x d   | Dz    | Dp  | Do  | n x d   | Dz    | Dp  | Do  | n x d   |
| mm  |      |      |     |     |        |       |     |     |         |       |     |     |         |       |     |     |         |
| 15  | 130  | 80   | 40  | 55  | 4 x 11 | 95    | 41  | 65  | 4 x 14  | 95    | 46  | 65  | 4 x 14  | 95    | 45  | 65  | 4 x 14  |
| 20  | 150  | 90   | 50  | 65  | 4 x 11 | 105   | 46  | 75  | 4 x 14  | 105   | 56  | 75  | 4 x 14  | 105   | 58  | 75  | 4 x 14  |
| 25  | 160  | 100  | 60  | 75  | 4 x 11 | 115   | 56  | 85  | 4 x 14  | 115   | 65  | 85  | 4 x 14  | 115   | 68  | 85  | 4 x 14  |
| 32  | 180  | 120  | 70  | 90  | 4 x 14 | 140   | 65  | 100 | 4 x 19  | 140   | 76  | 100 | 4 x 19  | 140   | 78  | 100 | 4 x 18  |
| 40  | 200  | 130  | 80  | 100 | 4 x 14 | 150   | 76  | 110 | 4 x 19  | 150   | 84  | 110 | 4 x 19  | 150   | 88  | 110 | 4 x 18  |
| 50  | 230  | 140  | 90  | 110 | 4 x 14 | 165   | 84  | 125 | 4 x 19  | 165   | 99  | 125 | 4 x 19  | 165   | 102 | 125 | 4 x 18  |
| 65  | 290  | 160  | 110 | 130 | 4 x 14 | 185   | 99  | 145 | 4 x 19  | 185   | 118 | 145 | 8 x 19  | 185   | 122 | 145 | 8 x 18  |
| 80  | 310  | 190  | 128 | 150 | 4 x 18 | 200   | 118 | 160 | 8 x 19  | 200   | 132 | 160 | 8 x 19  | 200   | 138 | 160 | 8 x 18  |
| 100 | 350  | 210  | 148 | 170 | 4 x 18 | 220   | 132 | 180 | 8 x 19  | 235   | 156 | 190 | 8 x 23  | 235   | 162 | 190 | 8 x 22  |
| 125 | 400  | 240  | 178 | 200 | 8 x 18 | 250   | 156 | 210 | 8 x 19  | 270   | 184 | 220 | 8 x 28  | 270   | 188 | 220 | 8 x 26  |
| 150 | 480  | 265  | 202 | 225 | 8 x 18 | 285   | 184 | 240 | 8 x 23  | 300   | 211 | 250 | 8 x 28  | 300   | 218 | 250 | 8 x 26  |
| 200 | 600  | 320  | 258 | 280 | 8 x 18 | 340   | 211 | 295 | 12 x 23 | 360   | 274 | 310 | 12 x 28 | 375   | 285 | 320 | 12 x 30 |
| 250 | 730  | -    | -   | -   | -      | 405   | 266 | 355 | 12 x 28 | 425   | 330 | 370 | 12 x 31 | -     | -   | -   | -       |
| 300 | 850  | -    | -   | -   | -      | 460   | 319 | 410 | 12 x 28 | 485   | 389 | 430 | 16 x 31 | -     | -   | -   | -       |
| 350 | 980  | -    | -   | -   | -      | 520   | 370 | 470 | 16 x 28 | -     | -   | -   | -       | -     | -   | -   | -       |
| 400 | 1100 | -    | -   | -   | -      | 580   | 429 | 525 | 16 x 31 | -     | -   | -   | -       | -     | -   | -   | -       |

**Note:**  
Material in accordance to EN.

| STRAINER SCREEN     |            |           |           |                     |
|---------------------|------------|-----------|-----------|---------------------|
| PN6, PN16, PN25     |            |           |           |                     |
| Screen cartridges   |            |           |           |                     |
|                     | Oznaczenie | DN<br>mm  | Mesh<br>Ø | Meshs screen in cm² |
| Basic desing        | F45        | 15 - 50   | 1,0       | 45                  |
|                     | F28        | 65 - 80   | 1,25      | 28                  |
|                     | F15        | 100 - 400 | 1,6       | 15                  |
| Additional design   | F100       | 15 - 400  | 0,6       | 100                 |
|                     | F200       | 15 - 400  | 0,5       | 204                 |
|                     | F300       | 15 - 400  | 0,4       | 280                 |
|                     | F400       | 15 - 400  | 0,32      | 370                 |
|                     | F600       | 15 - 400  | 0,25      | 625                 |
| Tin plate cartridge |            |           |           |                     |
| Special design      | F1.0       | 15 - 125  | Ø 1,0     | 30                  |
|                     | F1.6       | 150 - 300 | Ø 1,6     | 13                  |
|                     | F3.1       | 350 - 400 | Ø 3,1     | 3                   |
| PN40                |            |           |           |                     |
| Basic desing        | F100       | 15 - 65   | 0,6       | 100                 |
|                     | F1.0       | 80 - 200  | Ø 1,0     | 30                  |

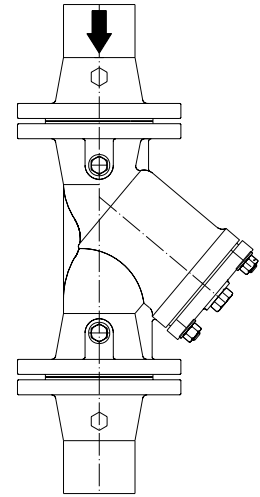
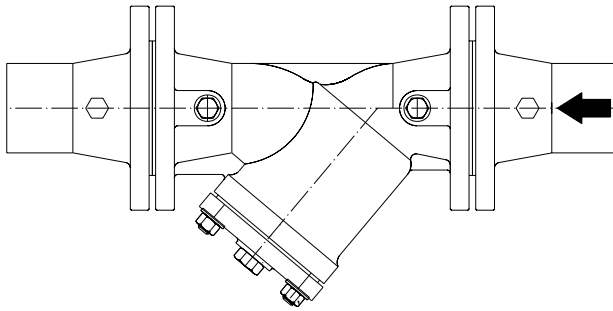
| OPTIONAL F.821                                                                                                                        |                                 |                    |
|---------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|--------------------|
| Fig.821.M                                                                                                                             | Fig.821.E<br>For drinking water |                    |
| <p>Magnetic cartridge<br/>X5CrNi 18-10 1.4301</p>  | Epoxy paint                     | RAL 5010           |
|                                                                                                                                       |                                 | RAL 5017           |
|                                                                                                                                       | Stud-bolds, hexagon nuts        | Stainless steel    |
|                                                                                                                                       |                                 | zinc coated        |
|                                                                                                                                       | Emptying screw                  | Stainless steel    |
|                                                                                                                                       |                                 | C45 ➡<br>galvanzig |
| Certificate - National Institute of Hygiene Poland                                                                                    |                                 |                    |

| DN  | R      | PN6, PN16, PN25 |       |     |      | PN40 | PN6  | PN16  | PN25  | PN40  | kv     | DN  |
|-----|--------|-----------------|-------|-----|------|------|------|-------|-------|-------|--------|-----|
|     |        | B               | C     | H   | H1   | H    |      |       |       |       |        |     |
|     |        | mm              |       |     |      |      | kg   |       |       |       | m³/h   | mm  |
| 15  | G 3/8" | 56              | 23    | 90  | 135  | 70   | 2,2  | 2,6   | 2,6   | 2,7   | 5,7    | 15  |
| 20  |        | 68              | 28    | 100 | 150  | 80   | 2,8  | 3,0   | 3,0   | 3,6   | 10,4   | 20  |
| 25  |        | 82              | 36    | 115 | 180  | 88   | 3,9  | 4,3   | 4,3   | 4,5   | 16,4   | 25  |
| 32  |        | 98              | 42    | 135 | 215  | 100  | 5,7  | 6,8   | 6,8   | 6,3   | 27,3   | 32  |
| 40  |        | 114             | 50    | 150 | 240  | 125  | 7,3  | 8,8   | 9,0   | 8,7   | 42     | 40  |
| 50  |        | 119             | 61,5  | 160 | 250  | 140  | 8,4  | 11,0  | 10,7  | 11,0  | 64,7   | 50  |
| 65  | G 1/2" | 134             | 78,5  | 180 | 285  | 170  | 13,5 | 16,8  | 16,1  | 15,0  | 96     | 65  |
| 80  |        | 149             | 89,5  | 215 | 330  | 190  | 17,7 | 19,5  | 18,2  | 22,0  | 149    | 80  |
| 100 |        | 169             | 109,5 | 235 | 365  | 225  | 25,3 | 34,0  | 32,5  | 31,5  | 223    | 100 |
| 125 |        | 199             | 137,5 | 280 | 425  | 260  | 37,5 | 42,5  | 39,2  | 46,0  | 347    | 125 |
| 150 |        | 224             | 160   | 320 | 480  | 320  | 49,0 | 56,0  | 52,2  | 71,0  | 480    | 150 |
| 200 |        | 284             | 210   | 405 | 610  | 420  | 98,0 | 110,0 | 102,7 | 134,5 | 853    | 200 |
| 250 |        | 434             | 258   | 540 | 915  | -    | -    | 165,0 | 170   | -     | 1104   | 250 |
| 300 |        | 555             | 308   | 680 | 1110 | -    | -    | 285,0 | 290   | -     | 1450   | 300 |
| 350 | G 1"   | 640             | 365   | 755 | 1200 | -    | -    | 373,0 | -     | -     | 1800,0 | 350 |
| 400 |        | 695             | 415   | 835 | 1320 | -    | -    | 461,0 | -     | -     | 2200,0 | 400 |

R - Korek spustowy / Entleerungsschraube / Emptying screw

## ASSEMBLING

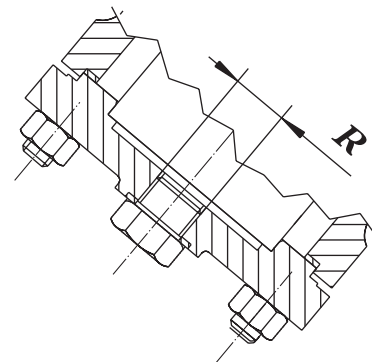
Strainer should be installed in horizontal position, bonnet down. The installation in vertical position is possible when the flow is also from up to down.



## Pressure - temperature

### DIN EN 1092-2: 1997

| EN-GJL-250 |     |       |      | EN-GJS-500-7 |      |       |      | GP240GH |     |
|------------|-----|-------|------|--------------|------|-------|------|---------|-----|
| PN 6       |     | PN 16 |      | PN 16        |      | PN 25 |      | PN 40   |     |
| °C         | bar | °C    | bar  | °C           | bar  | °C    | bar  | °C      | bar |
| -10        | 6   | -10   | 16   | -10          | 16   | -10   | 25   | -20     | 40  |
| 120        | 6   | 120   | 16   | 120          | 16   | 120   | 25   | 150     | 40  |
| 150        | 5,4 | 150   | 14,4 | 150          | 15,2 | 150   | 23,8 | 200     | 35  |
| 180        | 5   | 180   | 13,4 | 200          | 14,4 | 200   | 22,5 | 300     | 28  |
| 200        | 4,8 | 200   | 12,8 | 250          | 12,8 | 250   | 20,0 | 400     | 21  |
| 230        | 4,4 | 230   | 11,8 | 300          | 11,2 | 300   | 17,5 |         |     |
| 250        | 4,2 | 250   | 11,2 | 350          | 8,8  | 350   | 13,8 |         |     |
| 300        | 3,6 | 300   | 9,6  |              |      |       |      |         |     |



Emptying screw

Face to face length

EN558-1 ➔ 1  
(DIN3202 ➔ F1)

Flanges

EN 1092 - 2

## ORDERING

When ordering please specify: Fig. and DN.

These data are for information only. Our marketing department provides you with detailed specifications.  
**Fig. 821F** - Cooperation valves