

## Strainer made of grey cast iron Series ST005



|                    |                                                                                                      |
|--------------------|------------------------------------------------------------------------------------------------------|
| Design type        | strainer with integrated mesh filter, Mesh size see table                                            |
| Connection         | Flanges DN15...DN300 according to EN1092-2, PN16                                                     |
| Materials          | Housing Grey cast iron EN-JL1040, Filter insert Stainless steel 1.4301, Cover seal Graphite          |
| Application range  | Gases and liquids of group 2 in accordance with PED 2014/68/EU that do not attack the materials used |
| Medium temperature | -10...+300°C                                                                                         |
| Operating pressure | Nominal pressure according to the pressure-temperature table                                         |
| Mounting type      | Installation in rigid piping system                                                                  |
| Mounting position  | horizontal                                                                                           |
| Special version    | Flanges PN6, PN10, PN25, Fine mesh filter with Mesh size 0,25mm                                      |

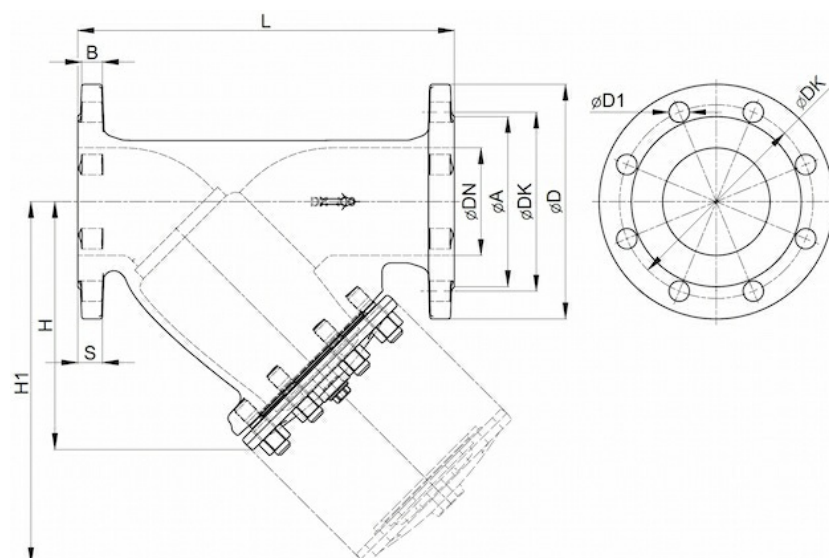
### Pressure-temperature table in bar

| -10...+120°C | 200°C | 225°C | 250°C | 300°C |
|--------------|-------|-------|-------|-------|
| 16           | 13    | 12    | 11,2  | 9,6   |

Intermediate values of the maximum operating pressures may be calculated by linear interpolation between the nearest lower and higher temperature values.



## Dimensions



| DN<br>[mm] | A   | B  | D   | DK  | D1 | H   | H1  | L   | N  | S  | Mesh size<br>[mm] | Weight<br>[approx. kg] | Kv value<br>[m³/h] | Type      |
|------------|-----|----|-----|-----|----|-----|-----|-----|----|----|-------------------|------------------------|--------------------|-----------|
| 15         | 45  | 12 | 95  | 65  | 14 | 75  | 115 | 130 | 4  | 14 | 0,6               | 2,4                    | 5,6                | ST005-15  |
| 20         | 58  | 14 | 105 | 75  | 14 | 75  | 115 | 150 | 4  | 16 | 0,6               | 3,3                    | 10,7               | ST005-20  |
| 25         | 68  | 14 | 115 | 85  | 14 | 90  | 135 | 160 | 4  | 16 | 0,8               | 3,8                    | 17,6               | ST005-25  |
| 32         | 78  | 14 | 140 | 100 | 18 | 90  | 135 | 180 | 4  | 16 | 0,8               | 5,0                    | 29,1               | ST005-32  |
| 40         | 88  | 15 | 150 | 110 | 18 | 110 | 170 | 200 | 4  | 18 | 0,8               | 6,5                    | 46,1               | ST005-40  |
| 50         | 102 | 17 | 165 | 125 | 18 | 140 | 210 | 230 | 4  | 20 | 0,8               | 9,6                    | 71,6               | ST005-50  |
| 65         | 122 | 17 | 185 | 145 | 18 | 160 | 240 | 290 | 4  | 20 | 0,8               | 12,5                   | 119,5              | ST005-65  |
| 80         | 138 | 19 | 200 | 160 | 18 | 190 | 320 | 310 | 8  | 22 | 1,2               | 18,0                   | 173,5              | ST005-80  |
| 100        | 158 | 21 | 220 | 180 | 18 | 240 | 360 | 350 | 8  | 24 | 1,2               | 25,0                   | 217,5              | ST005-100 |
| 125        | 188 | 23 | 250 | 210 | 18 | 275 | 425 | 400 | 8  | 26 | 1,2               | 39,0                   | 364,4              | ST005-125 |
| 150        | 212 | 23 | 285 | 240 | 22 | 310 | 485 | 480 | 8  | 26 | 1,2               | 61,0                   | 537,0              | ST005-150 |
| 200        | 268 | 27 | 340 | 295 | 22 | 440 | 660 | 600 | 12 | 30 | 1,2               | 109,0                  | 820,0              | ST005-200 |
| 250        | 320 | 29 | 405 | 355 | 26 | 470 | 680 | 730 | 12 | 32 | 1,2               | 162,0                  | 1260,0             | ST005-250 |
| 300        | 378 | 34 | 460 | 410 | 26 | 560 | 820 | 850 | 12 | 38 | 1,2               | 280,0                  | 1735,0             | ST005-300 |

Illustrations non-binding

Design, dimensional and material changes reserved

Armatures / Pressure regulators, safety valves and accessories / Other materials - A07 / Strainer Series ST005

Version 4

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