

## strainer made of cast iron series ST005



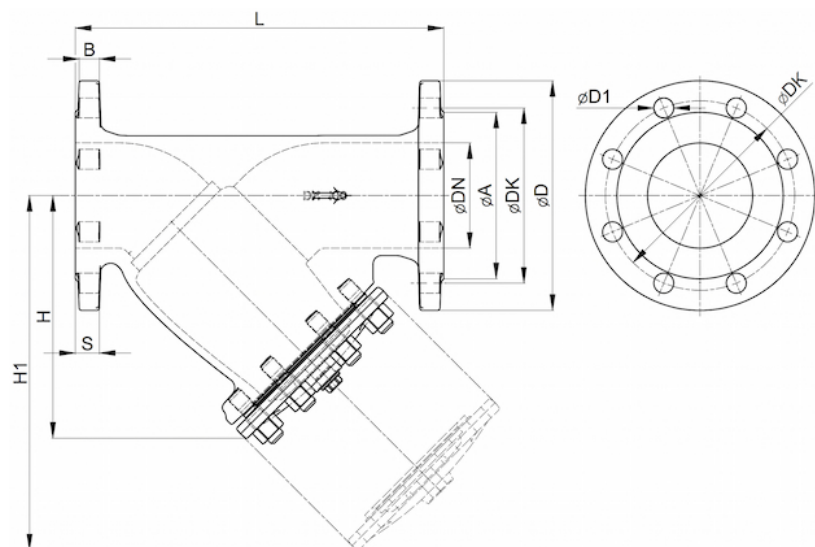
|                    |                                                                                                  |
|--------------------|--------------------------------------------------------------------------------------------------|
| design             | strainer with integrated screen, mesh size see table                                             |
| connection         | flange DN15...DN300 according to EN1092-2, PN16                                                  |
| materials          | body cast iron EN-JL1040, strainer screen stainless steel 1.4301, cover sealing graphite         |
| application        | gases and liquids of group 2 according to PED 2014/68/EU, which do not affect the used materials |
| medium temperature | -10...+300°C                                                                                     |
| operating pressure | nominal pressure according to pressure-temperature table                                         |
| type of fixing     | installed into rigid pipework                                                                    |
| mounting position  | horizontal                                                                                       |
| special version    | flange PN6, PN10, PN25, mesh screen with mesh size 0,25mm                                        |

### pressure temperature chart in bar

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

interim values of max. operating pressure can be calculated by linear interpolation of nearest lower and higher temperatures.

## dimensions



| DN<br>[mm] | A   | B  | D   | DK  | D1 | H   | H1  | L   | N  | S  | mesh size<br>[mm] | weight<br>[app. 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 are non-binding

all designs, configurations, measurements and materials are subject to change without prior notice