



## LỌC CHỮ Y PN16- ARI

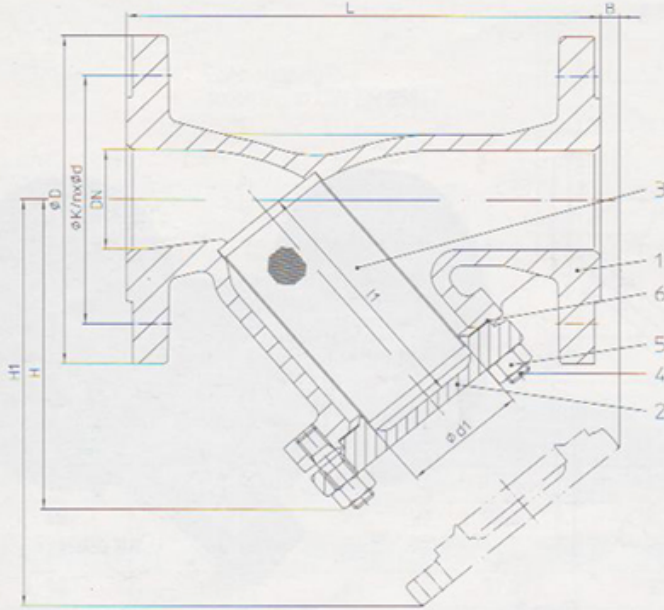
|              |  |
|--------------|--|
| MODEL        | 12.050 / 22.050 / 23.050                               |
| NHÃN HIỆU    | ARI - ARMATUREN  |
| TÊN SẢN PHẨM | LỌC CHỮ Y NỐI BÍCH DIN PN 16 / PN 25 / PN 40           |
| Kiểu Nối     | Mặt bích DIN - PN 16 - PN 25 - PN 40                   |
| Thân Van     | Gang đúc En- JL1040 & gang dẻo En- JS1049              |
| Nắp Van      | Gang đúc En- JL1040 & gang dẻo En- JS1049              |
| Lưới Lọc     | Thép không gỉ- Inox - SUS 316 L                        |
| Nhiệt Độ     | Max -10°C ~ +350°C                                     |
| Áp Lực       | Làm việc maximum 16 bar ~ 25 bar ~ 40 bar              |
| Kích Cỡ      | DN 15 → DN 300 ~ ( ½" inch → 12" inch )                |
| Sử Dụng      | Dầu tải nhiệt, hơi nóng, khí nén, nước, xăng, dầu, gas |
| Tình Trạng   | Hàng có sẵn, mới 100%                                  |
| Trang Số     | 02   |

Xuất Xứ  
Đơn Giá

Đức

Xin liên hệ

### ARI-Strainer, made of cast iron, nodular iron and cast steel



| Figure | Nominal pressure | Material  | Nominal diameters |
|--------|------------------|-----------|-------------------|
| 10.050 | PN 6             | EN-JL1040 | DN 15-200         |
| 12.050 | PN 16            | EN-JL1040 | DN 15-300         |
| 22.050 | PN 16            | EN-JS1049 | DN 15-300         |
| 23.050 | PN 25            | EN-JS1049 | DN 15-150         |
| 34.050 | PN 25            | 1.0619+N  | DN 15-200         |
| 35.050 | PN 40            | 1.0619+N  | DN 15-200         |

Test: German "TA-Luft" TÜV-Test-No. 922-9204866

#### Selection of possible applications:

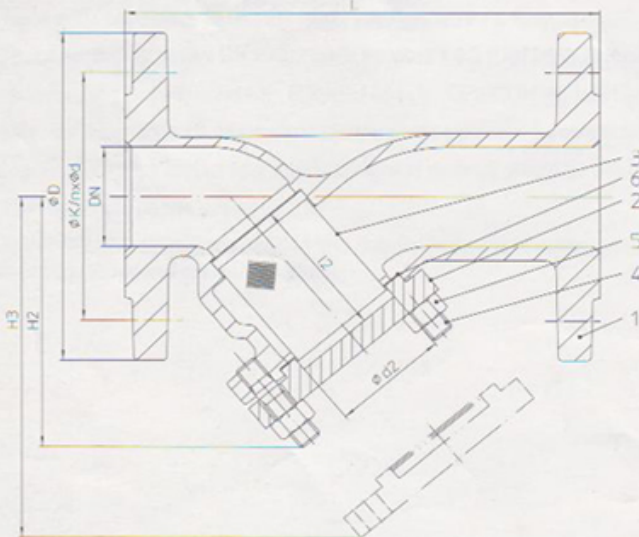
- Industry
- Vacuum plant
- Powerstations
- Ammonia
- Flue gas purification plant
- Hot water
- Processing technology
- Heating plant
- Gas supply
- District heating
- Vapour facilities
- Cooling and freezing systems
- Thermal oil applications
- General plant manufacturing
- Recycling facilities
- Steam systems

- other applications on request -

#### Weights (kg)

| Figure-No. | DN | 15  | 20  | 25  | 32  | 40   | 50   | 65   | 80   | 100  | 125  | 150  | 200   | 250   | 300   | 350  | 400 | 500 |  |
|------------|----|-----|-----|-----|-----|------|------|------|------|------|------|------|-------|-------|-------|--|-----|-----|--|
| 10.050     |    | 2,5 | 3,0 | 4,5 | 5,5 | 7,0  | 9,0  | 13,0 | 19,0 | 26,0 | 38,0 | 54,0 | 110,0 | --    | --    | on request possible in straight through form |     |     |  |
| 12.050     |    | 3,0 | 4,0 | 5,0 | 7,0 | 9,0  | 12,0 | 16,0 | 21,0 | 30,0 | 43,0 | 61,0 | 121,0 | 154,0 | 335,0 |  |     |     |  |
| 22.050     |    | 3,5 | 4,0 | 5,5 | 7,0 | 9,0  | 12,0 | 16,0 | 21,0 | 28,0 | 41,0 | 58,0 | 115,0 | 154,0 | 335,0 |  |     |     |  |
| 23.050     |    | 3,5 | 4,0 | 5,5 | 7,0 | 9,0  | 12,0 | 16,0 | 21,0 | 32,0 | 47,0 | 64,0 | --    | --    | --    |  |     |     |  |
| 34.050     |    | 4,0 | 5,0 | 6,0 | 8,0 | 10,0 | 13,0 | 19,0 | 24,5 | 35,0 | 51,0 | 71,0 | 144,0 | --    | --    |  |     |     |  |
| 35.050     |    | 4,0 | 5,0 | 6,0 | 8,0 | 10,0 | 13,0 | 19,0 | 24,5 | 35,0 | 51,0 | 71,0 | 144,0 | --    | --    |  |     |     |  |

### ARI-Strainer, made of stainless steel (1.4408)



| Figure | Nominal pressure | Material | Nominal diameters |
|--------|------------------|----------|-------------------|
| 52.059 | PN 16            | 1.4408   | DN 15-200         |
| 54.059 | PN 25            | 1.4408   | DN 15-200         |
| 55.059 | PN 40            | 1.4408   | DN 15-200         |

Test: German "TA-Luft" TÜV-Test-No. 922-9204866

#### Selection of possible applications:

- Recycling facilities
- Processing technology
- Chemical Industry
- Process water installations
- Hospital technology
- Installations with aggressive media

- other applications on request -

#### Weights (kg)

| Figure-No. | DN | 15  | 20  | 25  | 32  | 40   | 50   | 65   | 80   | 100  | 125  | 150  | 200   | 250        | 300 | 350 | 400 | 500 |
|------------|----|-----|-----|-----|-----|------|------|------|------|------|------|------|-------|------------|-----|-----|-----|-----|
| 52.059     |    | 4,0 | 5,0 | 6,0 | 8,0 | 10,0 | 13,0 | 19,0 | 24,5 | 35,0 | 51,0 | 71,0 | 144,0 | on request |     |     |     |     |
| 54.059     |    | 4,0 | 5,0 | 6,0 | 8,0 | 10,0 | 13,0 | 19,0 | 24,5 | 35,0 | 51,0 | 71,0 | 144,0 |            |     |     |     |     |
| 55.059     |    | 4,0 | 5,0 | 6,0 | 8,0 | 10,0 | 13,0 | 19,0 | 24,5 | 35,0 | 51,0 | 71,0 | 144,0 |            |     |     |     |     |



## Dimensions, Kvs- and Zeta-values

| DN  | L                           | H   | H1   | H2  | H3  | B   | Screen          |             | d1    | d2    | I1  | I2                                   | Standard screen Y-pattern |      | Fine screen Y-pattern |      | Y-pattern<br>v <sup>1)</sup> |
|-----|-----------------------------|-----|------|-----|-----|-----|-----------------|-------------|-------|-------|-----|--------------------------------------|---------------------------|------|-----------------------|------|------------------------------|
|     |                             |     |      |     |     |     | standard<br>(w) | fine<br>(w) |       |       |     |                                      | Kvs                       | Zeta | Kvs                   | Zeta |                              |
|     |                             |     |      |     |     |     |                 |             |       |       |     |                                      |                           |      |                       |      |                              |
| 15  | 130                         | 90  | 135  | 94  | 130 | 10  | 1               | 0,25        | 23,0  | 25,0  | 56  | 48                                   | 6,9                       | 1,7  | 6,2                   | 1,9  | 10,0                         |
| 20  | 150                         | 100 | 150  | 94  | 138 | 10  |                 |             | 28,0  | 25,0  | 68  | 48                                   | 10,8                      | 2,2  | 10,1                  | 2,4  | 8,4                          |
| 25  | 160                         | 115 | 180  | 102 | 150 | 25  |                 |             | 36,0  | 31,0  | 82  | 57                                   | 17,8                      | 1,9  | 16,8                  | 2,2  | 8,3                          |
| 32  | 180                         | 125 | 205  | 102 | 143 | 35  |                 |             | 42,0  | 36,0  | 98  | 57                                   | 26,1                      | 2,4  | 24,3                  | 2,8  | 7,1                          |
| 40  | 200                         | 150 | 235  | 123 | 166 | 45  |                 |             | 50,0  | 46,0  | 114 | 68                                   | 36,7                      | 3,0  | 32,9                  | 3,7  | 6,8                          |
| 50  | 230                         | 160 | 250  | 126 | 172 | 45  |                 |             | 61,5  | 55,5  | 119 | 70                                   | 61,0                      | 2,7  | 49,5                  | 4,0  | 5,2                          |
| 65  | 290                         | 180 | 285  | 148 | 206 | 25  | 1,25            | 0,25        | 78,5  | 69,5  | 134 | 85                                   | 98,6                      | 2,9  | 80,3                  | 4,9  | 4,4                          |
| 80  | 310                         | 215 | 330  | 170 | 234 | 40  |                 |             | 89,5  | 85,5  | 149 | 97                                   | 146,0                     | 3,0  | 115,0                 | 4,9  | 3,7                          |
| 100 | 350                         | 235 | 365  | 202 | 282 | 55  | 1,6             | 0,25        | 109,5 | 105,5 | 169 | 112                                  | 234,0                     | 2,9  | 189,0                 | 4,4  | 2,8                          |
| 125 | 400                         | 275 | 425  | 285 | 388 | 65  |                 |             | 137,5 | 131,5 | 199 | 138                                  | 376,0                     | 2,7  | 303,0                 | 4,2  | 2,7                          |
| 150 | 480                         | 305 | 480  | 320 | 443 | 50  |                 |             | 160,0 | 159,0 | 224 | 169                                  | 394,0                     | 4,5  | 405,0                 | 4,3  | 2,4                          |
| 200 | 600                         | 390 | 610  | 417 | 585 | 80  |                 |             | 210,0 | 210,0 | 284 | 230                                  | 652,0                     | 5,5  | 590,0                 | 6,7  | 2,3                          |
| 250 | 730                         | 540 | 915  | --  | --  | 230 |                 |             | 258,0 | --    | 434 | --                                   | 1225,0                    | 4,1  | 1231,0                | 4,1  | 2,7                          |
| 300 | 850                         | 680 | 1110 | --  | --  | 350 |                 |             | 308,0 | --    | 555 | --                                   | 1873,0                    | 3,7  | 1883,0                | 3,6  | 2,9                          |
| 350 |                             |     |      |     |     |     |                 |             |       |       |     | Kvs-values based upon clean screen ! |                           |      |                       |      |                              |
| 400 | larger diameters on request |     |      |     |     |     |                 |             |       |       |     |                                      |                           |      |                       |      |                              |
| 500 |                             |     |      |     |     |     |                 |             |       |       |     |                                      |                           |      |                       |      |                              |

<sup>1)</sup> v = Ratio of the free screen surface area to the area of the nominal diameters.

Zeta-value ... range of tolerance for Kvs-values acc. to DIN EN 60534.

Dimensions of flanges refer to page 5 or the ARI quick reference slide chart (available on request).

Y-Strainer with flanges:

Face-to-face dimension FTF series 1 according to DIN EN 558-1 (DIN3202-1 series F1)

Y-Strainer with butt weld ends:

Face-to-face dimension ETE series 1 according to DIN EN 12982 (DIN 3202-2 series S7)

| Figure | 10. / 12.050       | 22. / 23.050                                 | 34. / 35.050;<br>34. / 35.080;               | 52. / 55.059                                     |                           |
|--------|--------------------|--|--|--|---------------------------|
| Pos.   | Description        | Material, Material-No.                       |  |  |                           |
| 1      | Body               | EN-JL1040, EN-GJL-250                        | EN-JS1049,<br>EN-GJS-400-18U-LT              | GP240GH+N, 1.0619+N                              | 1.4408                    |
| 2      | Cover              | DN<200: EN-JL1040<br>DN≥200: P265GH, 1.0425  | DN<100: EN-JS1049<br>DN≥100: P265 GH, 1.0425 | DN<100: P250GH, 1.0460<br>DN≥100: P265GH, 1.0425 | X6CrNiMoTi17-12-2, 1.4571 |
| 3      | Screen             | X5CrNi18-10, 1.4301                          |  |  | X6CrNiMoTi17-12-2, 1.4571 |
| 3.1    | Supporting basket* | X5CrNi18-10, 1.4301                          |  |  | X6CrNiMoTi17-12-2, 1.4571 |
| 4      | Studs              | 25CrMo4, 1.7218                              |  |  | A 4-70                    |
| 5      | Hexagon nuts       | C35E, 1.1181                                 |  |  | A 4                       |
| 6      | Gasket             | CrNi laminated both sides with pure graphite |  |  |                           |
| 8      | Bleed screw**      | C35E, 1.1181                                 |  |  | A 4                       |
| 9      | Sealing ring       | St   |  |  | Aramid                    |

\* Necessary at higher differential pressures (higher price)

\*\* Bleed screw only on request (higher price)

Information / restrictions of technical rules have to be observed!

Operating instructions can be ordered on request by phone (+49 52 07) 994-0 or fax (+49 52 07) 994-158 or 159.

ARI-valves made of cast iron are not allowed to be operated in systems according to TRD 110.

A production allowance according to TRB 801 No. 45 exists (according to TRB 801 No. 45 cast iron is not allowed).

The engineer, designing a system or a plant, is responsible for the selection of the correct valve.



A supporting basket is necessary, with higher differential pressures, dependent on clogging-up (higher price).

ARI-Strainer flow diagrams refer to technical annex

Approvals according to DIN 3230 -3

**Pressure-temperature-ratings**

Flangeholes/-thickness tolerances acc. to DIN 2533 / DIN 2544 / DIN 2545

| acc. to DIN EN 1092-2 |    | Temperature         |                   |          |          |          |          |          |       |       |
|-----------------------|----|---------------------|-------------------|----------|----------|----------|----------|----------|-------|-------|
| Material              | PN | -60°C up to <-10°C* | -10°C up to 120°C | 150°C    | 200°C    | 250°C    | 300°C    | 350°C    | 400°C | 450°C |
| EN-JL1040             | 6  | ---                 | 6 bar             | 5,4 bar  | 4,8 bar  | 4,2 bar  | 3,6 bar  | ---      | ---   | ---   |
|                       | 16 | ---                 | 16 bar            | 14,4 bar | 12,8 bar | 11,2 bar | 9,6 bar  | ---      | ---   | ---   |
| EN-JS1049             | 16 | on request          | 16 bar            | 15,5 bar | 14,7 bar | 13,9 bar | 12,8 bar | 11,2 bar | ---   | ---   |
|                       | 25 | on request          | 25 bar            | 24,3 bar | 23 bar   | 21,8 bar | 20 bar   | 17,5 bar | ---   | ---   |

| acc. to DIN EN 1092-1 |    | Temperature         |                  |          |          |          |          |          |          |          |          |
|-----------------------|----|---------------------|------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Material              | PN | -60°C up to <-10°C* | -10°C up to 50°C | 100°C    | 150°C    | 200°C    | 250°C    | 300°C    | 350°C    | 400°C    | 450°C    |
| 1.0619+N              | 25 | 18,7 bar            | 25 bar           | 23,3 bar | 21,7 bar | 19,4 bar | 17,8 bar | 16,1 bar | 15 bar   | 14,4 bar | 13,9 bar |
|                       | 40 | 30 bar              | 40 bar           | 37,3 bar | 34,7 bar | 30,2 bar | 28,4 bar | 25,8 bar | 24 bar   | 23,1 bar | 22,2 bar |
| 1.0460                | 25 | 18,7 bar            | 25 bar           | 23,3 bar | 21,7 bar | 19,4 bar | 17,8 bar | 16,1 bar | 15 bar   | 14,4 bar | 10 bar   |
|                       | 40 | 30 bar              | 40 bar           | 37,3 bar | 34,7 bar | 30,2 bar | 28,4 bar | 25,8 bar | 24 bar   | 23,1 bar | 16 bar   |
| 1.4408                | 16 | 16 bar              | 16 bar           | 14,9 bar | 13,5 bar | 12,4 bar | 11,7 bar | 11 bar   | 10,7 bar | 10,2 bar | ---      |
|                       | 25 | 25 bar              | 25 bar           | 23,3 bar | 21,1 bar | 19,4 bar | 18,3 bar | 17,2 bar | 16,7 bar | 16 bar   | ---      |
|                       | 40 | 40 bar              | 40 bar           | 37,3 bar | 33,8 bar | 31,1 bar | 29,3 bar | 27,6 bar | 26,7 bar | 25,6 bar | ---      |

Intermediate values for max. permissible operational pressures can be determined by linear interpolation of the given temperature / pressure chart.

\* Studs and nuts made of A4-70 (at temperatures below -10°C)

**Flange dimensions**

| DN  | PN 6 |     |          | PN 16 |     |          | PN 25 |     |          | PN 40 |     |          |
|-----|------|-----|----------|-------|-----|----------|-------|-----|----------|-------|-----|----------|
|     | ∅ D  | ∅ K | n x ∅ d1 | ∅ D   | ∅ K | n x ∅ d1 | ∅ D   | ∅ K | n x ∅ d1 | ∅ D   | ∅ K | n x ∅ d1 |
| 15  | 80   | 55  | 4 x 11   | 95    | 65  | 4 x 14   | 95    | 65  | 4 x 14   | 95    | 65  | 4 x 14   |
| 20  | 90   | 65  | 4 x 11   | 105   | 75  | 4 x 14   | 105   | 75  | 4 x 14   | 105   | 75  | 4 x 14   |
| 25  | 100  | 75  | 4 x 11   | 115   | 85  | 4 x 14   | 115   | 85  | 4 x 14   | 115   | 85  | 4 x 14   |
| 32  | 120  | 90  | 4 x 14   | 140   | 100 | 4 x 18   | 140   | 100 | 4 x 18   | 140   | 100 | 4 x 18   |
| 40  | 130  | 100 | 4 x 14   | 150   | 110 | 4 x 18   | 150   | 110 | 4 x 18   | 150   | 110 | 4 x 18   |
| 50  | 140  | 110 | 4 x 14   | 165   | 125 | 4 x 18   | 165   | 125 | 4 x 18   | 165   | 125 | 4 x 18   |
| 65  | 160  | 130 | 4 x 14   | 185   | 145 | 4 x 18   | 185   | 145 | 8 x 18   | 185   | 145 | 8 x 18   |
| 80  | 190  | 150 | 4 x 18   | 200   | 160 | 8 x 18   | 200   | 160 | 8 x 18   | 200   | 160 | 8 x 18   |
| 100 | 210  | 170 | 4 x 18   | 220   | 180 | 8 x 18   | 235   | 190 | 8 x 22   | 235   | 190 | 8 x 22   |
| 125 | 240  | 200 | 8 x 18   | 250   | 210 | 8 x 18   | 270   | 220 | 8 x 26   | 270   | 220 | 8 x 26   |
| 150 | 265  | 225 | 8 x 18   | 285   | 240 | 8 x 22   | 300   | 250 | 8 x 26   | 300   | 250 | 8 x 26   |
| 200 | 320  | 280 | 8 x 18   | 340   | 295 | 12 x 22  | 360   | 310 | 12 x 26  | 375   | 320 | 12 x 30  |
| 250 | ---  | --- | ---      | 405   | 355 | 12 x 26  | 425   | 370 | 12 x 30  | 450   | 385 | 12 x 33  |
| 300 | ---  | --- | ---      | 460   | 410 | 12 x 26  | 485   | 430 | 16 x 30  | 515   | 450 | 16 x 33  |

Butt weld ends according to DIN EN 12627 - 4 (refer to page 6)

**Please indicate when ordering:**

- Figure-No.
- Nominal pressure
- Nominal diameter
- Special design / accessories

**Example:**

Figure 35050; nominal pressure PN40; nominal diameter DN100; with bleed screw.

Dimensions in mm  
Weights in kg  
1 bar  $\hat{=}$  10<sup>5</sup> Pa  $\hat{=}$  0,1 MPa  
Kvs in m<sup>3</sup>/h  
1Kvs  $\hat{=}$  1,16 Cv (US)

## Sản phẩm khác



—

[VAN CẦU HỒI GANG 02](#)

[Xem thêm VAN CẦU HỒI GANG 02](#)



—

## VAN CẦU HƠI GANG 01

Xem thêm VAN CẦU HƠI GANG 01



—

## Van cầu hơi thép - Van dầu nóng 03

Xem thêm Van cầu hơi thép - Van dầu nóng 03



—

## Van cầu hơi thép - Van dầu nóng 02

[Xem thêm Van cầu hơi thép - Van dầu nóng 02](#)



—

[Van cầu hơi thép - Van dầu nóng 01](#)

[Xem thêm Van cầu hơi thép - Van dầu nóng 01](#)



—

[Van Cầu hơi KSB](#)

[Xem thêm Van Cầu hơi KSB](#)



