



# PTY-30

## STRAINERS

### GENERAL FEATURES

AYVAZ Y Type Strainers have a wide range of applications to filter foreign materials in pipelines. The Ayvaz PTY-30 extends the other equipment's lifetime and helps their operations.

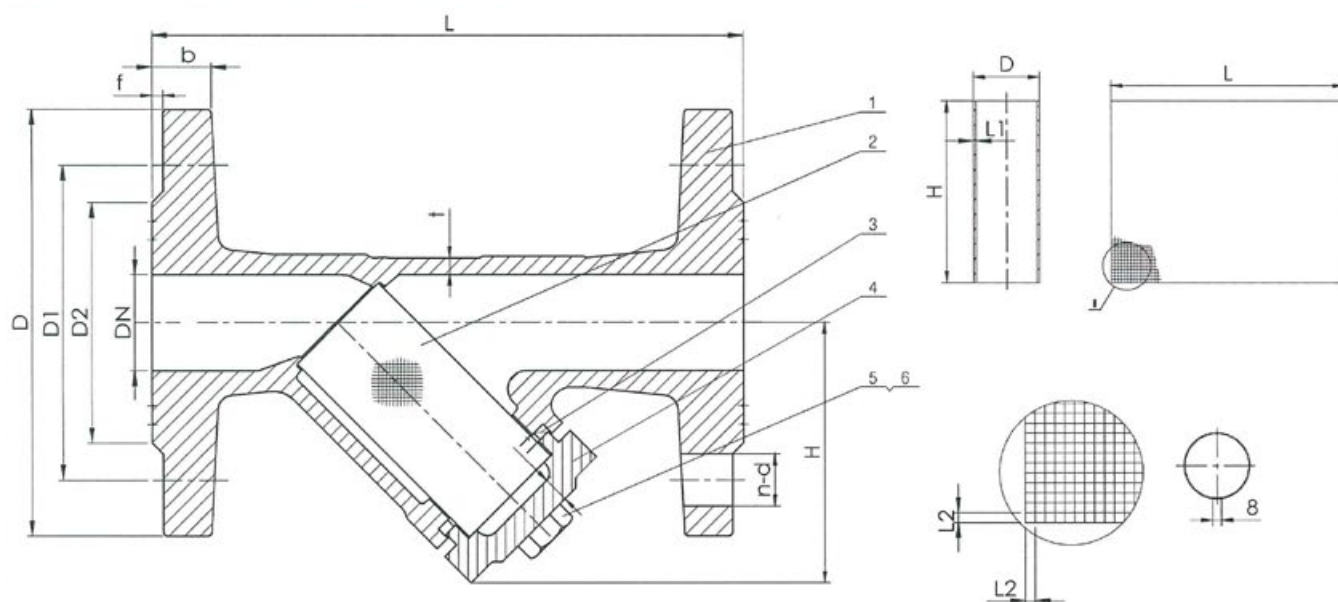
#### Applications

Steam, water, compressed air, gas, oil, chemical fluids.

|                              |                            |
|------------------------------|----------------------------|
| <b>Body and Cover</b>        | : Ductile Iron             |
| <b>Filter</b>                | : AISI 304 Stainless Steel |
| <b>Gasket</b>                | : Graphite                 |
| <b>Connection</b>            | : Flanged                  |
| <b>Max. Working Temp.</b>    | : 200 °C                   |
| <b>Max. Working Pressure</b> | : 16 bar                   |

## PTY-30 STRAINERS

DN15-32



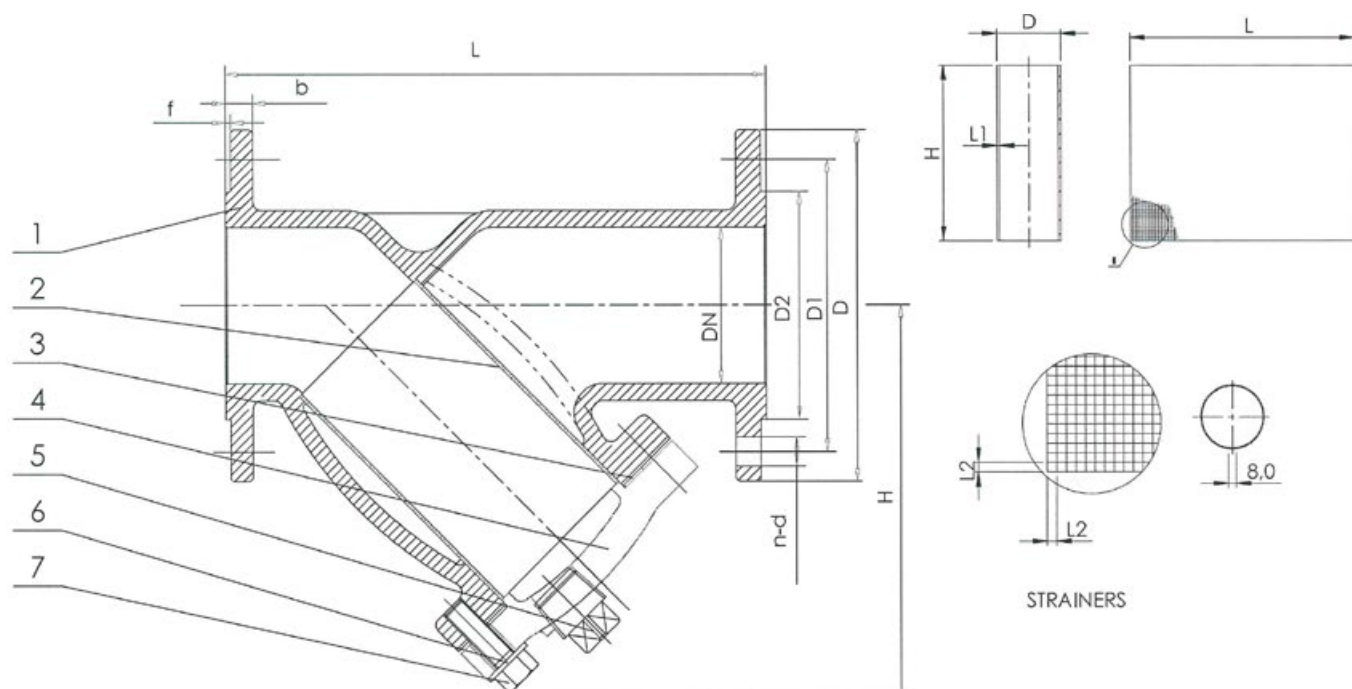
| DN | PN | L(mm) | D (mm) | D1 ( mm) | D2 (mm) | b (mm) | n-ød (mm) | f (mm) | H (mm) | kgs |
|----|----|-------|--------|----------|---------|--------|-----------|--------|--------|-----|
| 15 | 16 | 130±2 | 95     | 65       | 45      | 14     | 4-ø14     | 2      | 59     | 1.8 |
| 20 | 16 | 150±2 | 105    | 75       | 56      | 16     | 4-ø14     | 2      | 68     | 2.6 |
| 25 | 16 | 160±2 | 115    | 85       | 65      | 16     | 4-ø14     | 3      | 70     | 3   |
| 32 | 16 | 180±2 | 140    | 100      | 76      | 18     | 4-ø19     | 3      | 86     | 4.8 |

| Dia. | Filter Dimensions (mm) |           |            |     |    |
|------|------------------------|-----------|------------|-----|----|
|      | L                      | H         | D          | L1  | L2 |
| DN15 | 70,8                   | 55 +0.5/0 | ø20 0/-0.5 | 0,8 | 1  |
| DN20 | 85                     | 62+0.5/0  | ø27 0/-0.5 | 0,8 | 1  |
| DN25 | 100,5                  | 64+0.5/0  | ø32 0/-0.5 | 0,8 | 1  |
| DN32 | 110                    | 79+0.5/0  | ø35 0/-0.5 | 0,8 | 1  |

| No | Part        | Material                 |
|----|-------------|--------------------------|
| 1  | Body        | Ductile Iron             |
| 2  | Filter      | AISI 304 Stainless Steel |
| 3  | Gasket      | Graphite                 |
| 4  | Cover       | Ductile Iron             |
| 5  | Bolt        | Carbon Steel Zinc Plated |
| 6  | Flat Washer | Carbon Steel Zinc Plated |

## PTY-30 STRAINERS

DN40-80



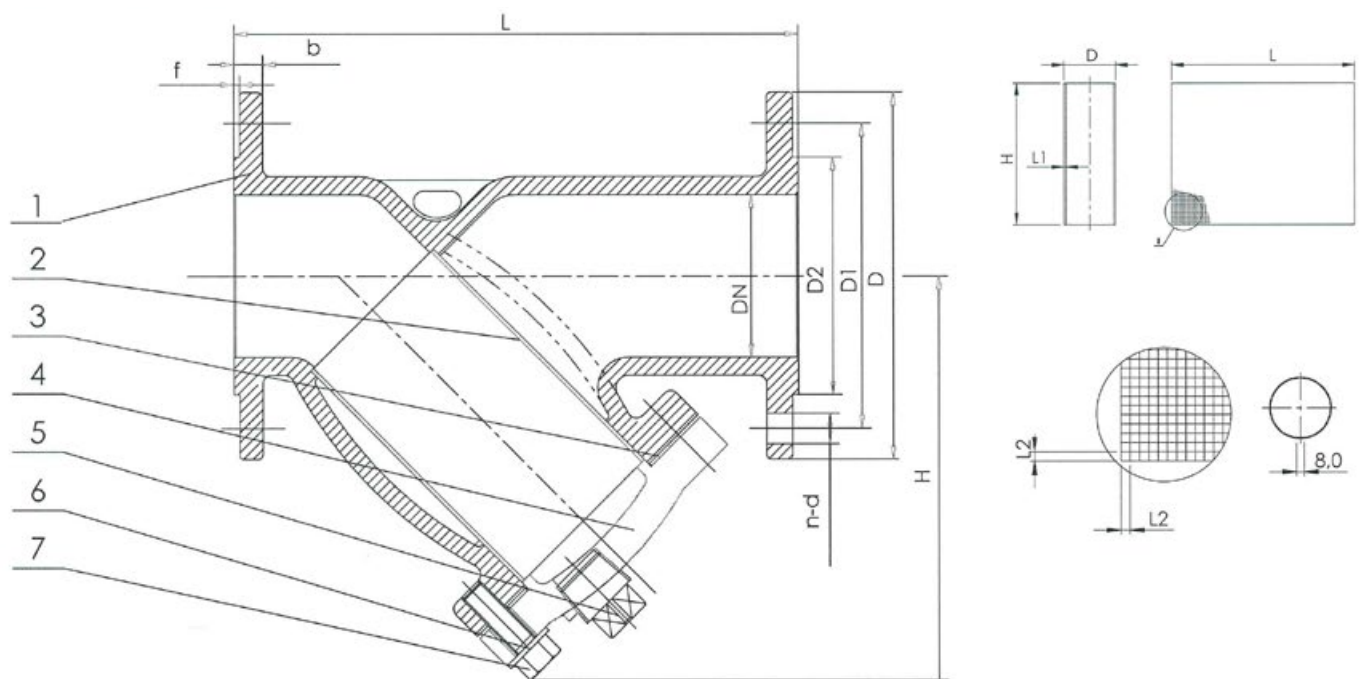
| DN | PN | L(mm) | D (mm) | D1 ( mm) | D2 (mm) | b (mm) | n-ød (mm)   | f (mm) | H (mm) | kg   |
|----|----|-------|--------|----------|---------|--------|-------------|--------|--------|------|
| 40 | 16 | 200±2 | 150    | 110      | 90      | 19     | 4-ø19+1.5/0 | 3      | 140    | 7,6  |
| 50 | 16 | 230±2 | 165    | 125      | 99      | 19     | 4-ø19+1.5/0 | 3      | 140    | 9,3  |
| 65 | 16 | 290±2 | 185    | 145      | 118     | 19     | 4-ø19+1.5/0 | 3      | 175    | 12,7 |
| 80 | 16 | 310±2 | 200    | 160      | 132     | 19     | 8-ø19+1.5/0 | 3      | 198    | 15,2 |

| Dia. | Filter Dimensions (mm) |            |            |     |     |
|------|------------------------|------------|------------|-----|-----|
|      | L                      | H          | D          | L1  | L2  |
| DN40 | 165                    | 114 +0.5/0 | ø50 0/-0.5 | 0,8 | 1   |
| DN50 | 187                    | 107 0/-0.5 | ø57 0/0.5  | 1   | 1   |
| DN65 | 227                    | 133 0/-0.5 | ø70 0/-0.5 | 1   | 1,5 |
| DN80 | 265                    | 146 0/-0.5 | ø82 0/-0.5 | 1   | 1,5 |

| No | Part        | Material                  |
|----|-------------|---------------------------|
| 1  | Body        | Ductile Iron              |
| 2  | Filter      | AISI 304 Stainless Steel  |
| 3  | Gasket      | Graphite                  |
| 4  | Cover       | Ductile Iron              |
| 5  | Plug        | Malleable Iron Galvanized |
| 6  | Flat Washer | Carbon Steel Zinc Plated  |
| 7  | Bolt        | Carbon Steel Zinc Plated  |

PTY-30 STRAINERS

DN100



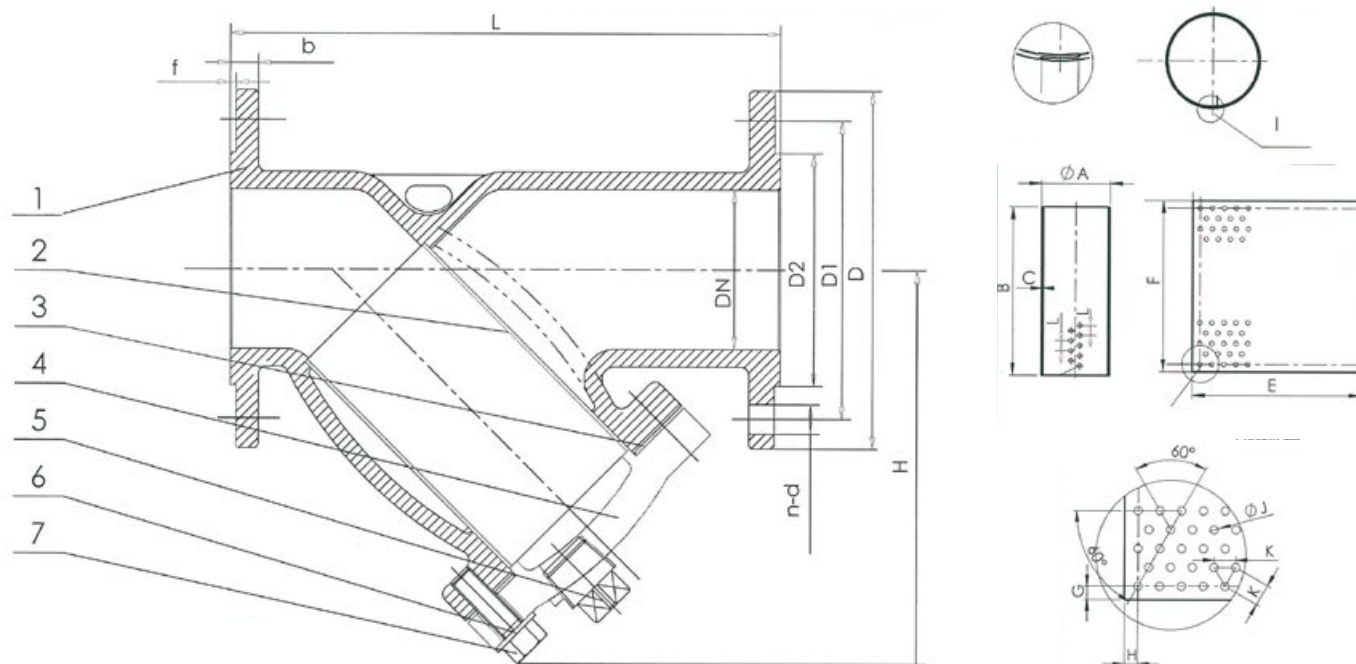
| DN  | PN | L(mm) | D(mm) | D1(mm) | D2(mm) | b(mm) | n-ød(mm) | f(mm) | H(mm) | kgs  |
|-----|----|-------|-------|--------|--------|-------|----------|-------|-------|------|
| 100 | 16 | 350±2 | 220   | 180    | 156    | 19    | 8-ø19    | 3     | 229   | 19,5 |

| Dia.  | Filter Dimensions (mm) |             |             |    |     |
|-------|------------------------|-------------|-------------|----|-----|
|       | L                      | H           | D           | L1 | L2  |
| DN100 | 340                    | 176 0/0-0.5 | ø106 0/-0.5 | 1  | 1,5 |

| No | Part        | Material                  |
|----|-------------|---------------------------|
| 1  | Body        | Ductile Iron              |
| 2  | Filter      | AISI 304 Stainless Steel  |
| 3  | Gasket      | Graphite                  |
| 4  | Cover       | Ductile Iron              |
| 5  | Plug        | Malleable Iron Galvanized |
| 6  | Flat Washer | Carbon Steel Zinc Plated  |
| 7  | Bolt        | Carbon Steel Zinc Plated  |

## PTY-30 STRAINERS

DN125-300



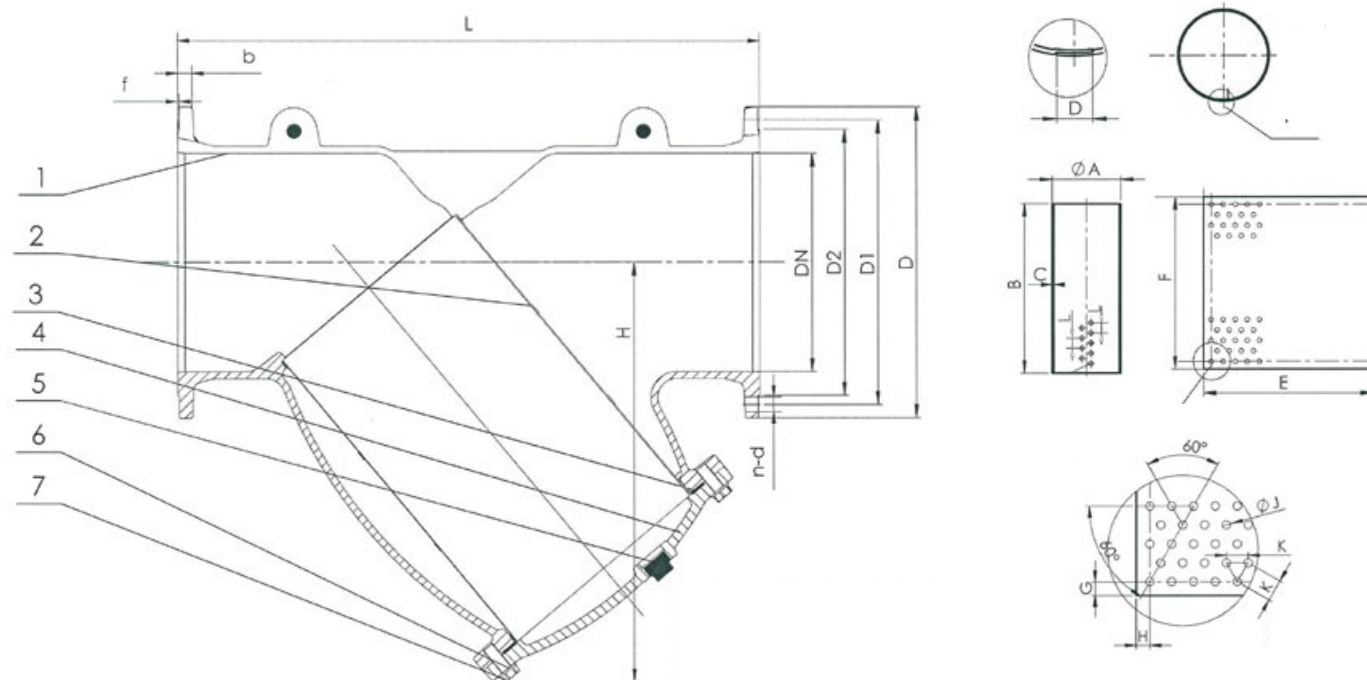
| DN  | PN | L(mm) | D(mm) | D1(mm) | D2(mm) | b(mm) | n-Ød(mm) | f(mm) | H(mm) | kgs   |
|-----|----|-------|-------|--------|--------|-------|----------|-------|-------|-------|
| 125 | 16 | 400±2 | 250   | 210    | 184    | 19    | 8-Ø19    | 3     | 287   | 31    |
| 150 | 16 | 480±2 | 285   | 240    | 211    | 19    | 8-Ø23    | 3     | 304   | 40    |
| 200 | 16 | 600±2 | 340   | 295    | 266    | 20    | 12-Ø23   | 3     | 370.5 | 66,5  |
| 250 | 16 | 730±2 | 405   | 355    | 319    | 22    | 12-Ø28   | 3     | 469   | 99    |
| 300 | 16 | 850±2 | 460   | 410    | 370    | 24.5  | 12-Ø28   | 4     | 540   | 160.8 |

| Dia.  | ØA    | B   | C   | D  | E     | F     | G    | H   | ØJ  | K | L  |
|-------|-------|-----|-----|----|-------|-------|------|-----|-----|---|----|
| DN125 | 133.5 | 240 | 1.2 | 8  | 427.2 | 214.2 | 12.9 | 7.5 | 1.5 | 3 | 8  |
| DN150 | 156   | 233 | 1.2 | 10 | 499.8 | 221.7 | 5.65 | 7.5 | 1.5 | 3 | 8  |
| DN200 | 208   | 297 | 1.2 | 8  | 661.1 | 283.8 | 6.6  | 7.5 | 1.5 | 3 | 10 |
| DN250 | 260   | 356 | 1.2 | 12 | 828.4 | 346.4 | 4.8  | 7.5 | 1.5 | 3 | 10 |
| DN300 | 312   | 430 | 1.2 | 12 | 991.7 | 415.7 | 7.15 | 7.5 | 1.5 | 3 | 10 |

| No | Part        | Material                  |
|----|-------------|---------------------------|
| 1  | Body        | Ductile Iron              |
| 2  | Filter      | AISI 304 Stainless Steel  |
| 3  | Gasket      | Graphite                  |
| 4  | Cover       | Ductile Iron              |
| 5  | Plug        | Malleable Iron Galvanized |
| 6  | Flat Washer | Carbon Steel Zinc Plated  |
| 7  | Bolt        | Carbon Steel Zinc Plated  |

## PTY-30 STRAINERS

DN350-600



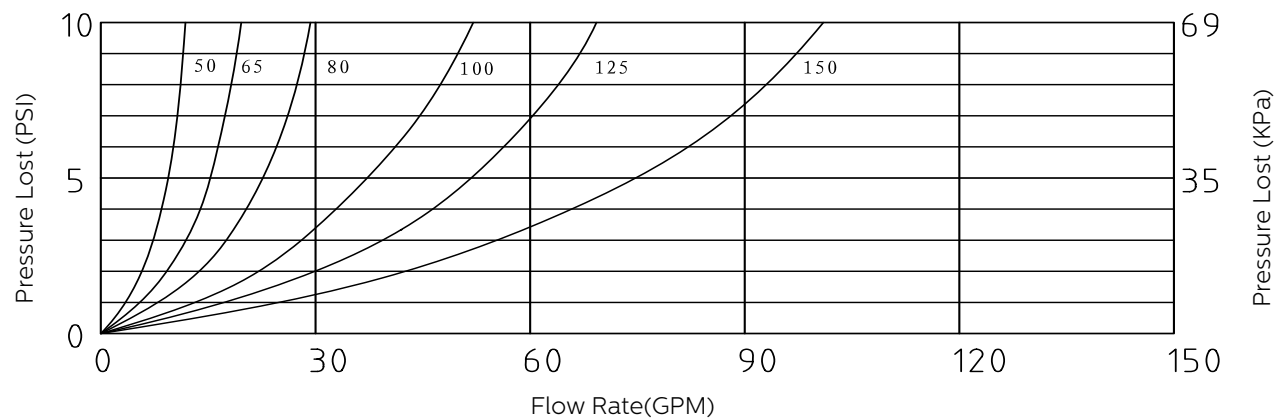
| DN  | PN | L(mm)  | D(mm) | D1(mm) | D2(mm) | b(mm) | n-Ød(mm) | f(mm) | H(mm) | kgs   |
|-----|----|--------|-------|--------|--------|-------|----------|-------|-------|-------|
| 350 | 16 | 838±3  | 520   | 470    | 429    | 26.5  | 16-Ø28   | 4     | 625   | 207   |
| 400 | 16 | 864±3  | 580   | 525    | 480    | 28    | 16-Ø31   | 4     | 715   | 278.7 |
| 450 | 16 | 978±3  | 640   | 585    | 548    | 30    | 20-Ø31   | 4     | 862   | 433.3 |
| 500 | 16 | 1250±3 | 715   | 650    | 608    | 31.5  | 20-Ø34   | 4     | 926   | 534   |
| 600 | 16 | 1450±3 | 840   | 770    | 720    | 36    | 20-Ø37   | 5     | 1057  | 835.8 |

| Dia.  | ØA  | B   | C   | D  | E      | F     | G   | H | ØJ | K   | L  |
|-------|-----|-----|-----|----|--------|-------|-----|---|----|-----|----|
| DN350 | 350 | 466 | 1.2 | 12 | 1111   | 453.8 | 6.1 | 7 | 3  | 4   | 10 |
| DN400 | 412 | 537 | 1.2 | 10 | 1303.7 | 519.6 | 8.7 | 5 | 3  | 4   | 12 |
| DN450 | 470 | 750 | 1   | 10 | 1485.8 | 732   | 9   | 3 | 2  | 3.5 | 12 |
| DN500 | 520 | 800 | 1   | 10 | 1642.8 | 782   | 9   | 3 | 2  | 3.5 | 12 |
| DN600 | 620 | 965 | 1   | 10 | 1956.8 | 947   | 9   | 3 | 2  | 3.5 | 12 |

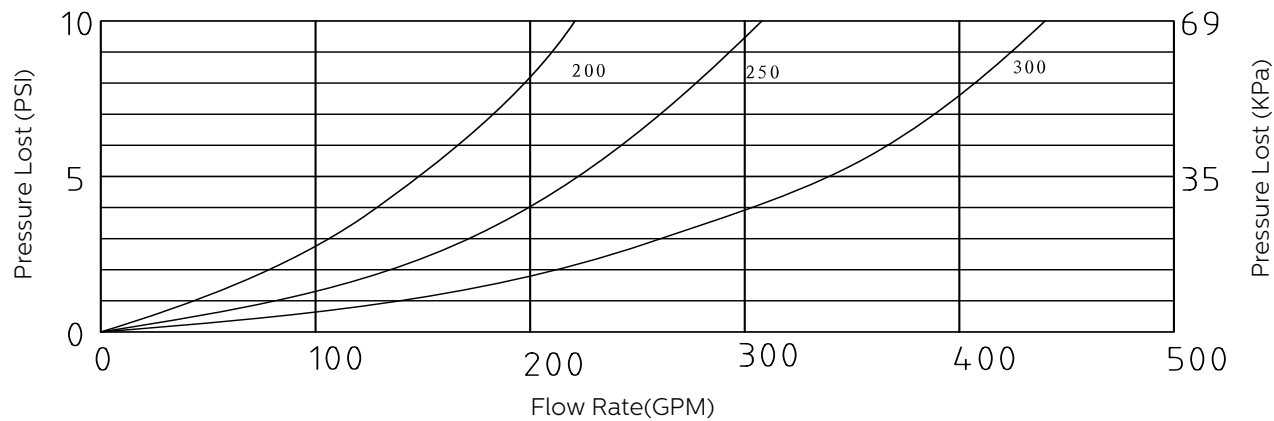
| No | Part        | Material                  |
|----|-------------|---------------------------|
| 1  | Body        | Ductile Iron              |
| 2  | Filter      | AISI 304 Stainless Steel  |
| 3  | Gasket      | Graphite                  |
| 4  | Cover       | Ductile Iron              |
| 5  | Plug        | Malleable Iron Galvanized |
| 6  | Flat Washer | Carbon Steel Zinc Plated  |
| 7  | Bolt        | Carbon Steel Zinc Plated  |

PTY-30 STRAINERS

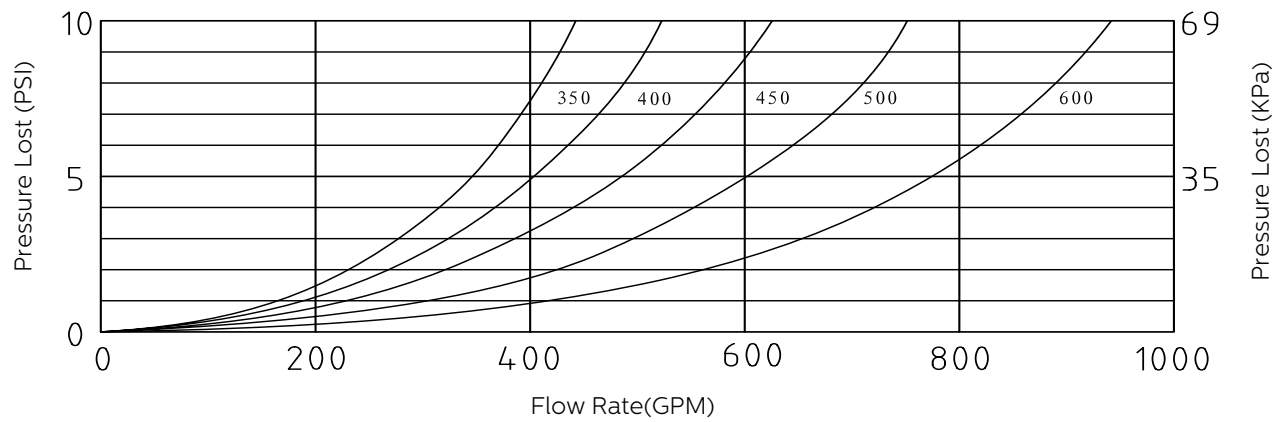
50mm-150mm



200mm-300mm

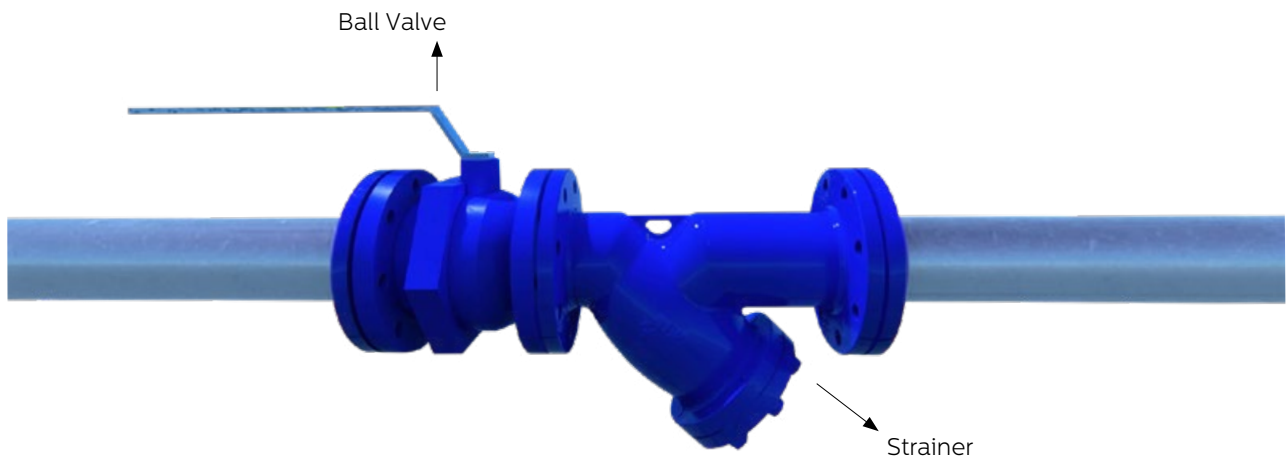


350mm-600mm

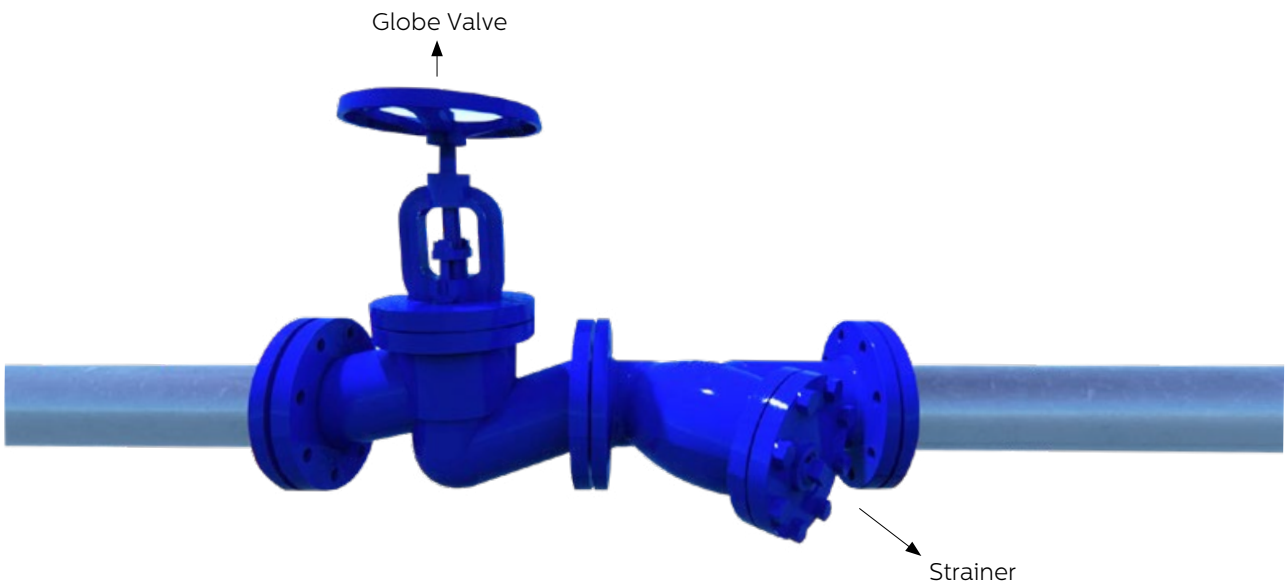


## PTY-30 STRAINERS

### INSTALLATION



It should install as seen above in cold water, hot water and similar fluids.



The direction of the strainer on the steam lines should be horizontal as shown. If it is placed vertically, because of the condensation there will be condensate and that causes water hammer.



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