

CJS. Single Filter

••• CJS SINGLE FILTER

The high quality and economical filtering equipment that we offer is different from other filtering models on the market today. 95% of our product parts are made with strong, durable, long-lasting stainless steel, giving our products a much longer life cycle than other similar products on the market. After many years of practical experience, absorbing precious feedback from our clients, and constantly adding design improvements, we have developed for our clients the most industrial friendly filter, with streamline design, impeccable quality, and convenient operation-- CJS single filters.

The CJS single filter is the basic form of several different types of filter equipment, using imported stainless steel wedge wire screen from Europe, the exactness of the filter is as fine as 0.025mm (450Mesh), and can use either gripper or flange type for inlet or outlet. Furthermore, the stainless steel wedge wire screen provides different specifications that can be chosen to fit the needs of different operation pressures, and there are also two pressure gauges on the top of the filter which makes it possible to check the change of the in-outlet pressure all the time and see if there are any signs of blockage on the filter screen.

Most suspended particles (dust, tiny rocks, fine crumbs of raw materials, etc.) will reduce the purity of liquid, and impurities found within water often times negatively affect the quality and efficiency of corresponding functions. The CJS single filter can wipe away headache brought on by the pollutions, increasing the quality and efficiency of your work process and helping you to achieve excellent manufacturing benefits.





••• Features

- **Fast installation and uninstallation :**

All you have to do is to use the gripper or flange in-outlet to easily install or uninstall the unit.

- **Low rate of wear :**

Because we use only stainless steel material with almost none consuming, also the life span of our filter screens is much longer than other competitors'.

- **High efficiency :**

With the wedge-wire design of our stainless steel screens, the opening rate of our filters are higher by 20% to 30% when compared with traditional filters.

- **Easy to maintain :**

We choose a design that is both easy to operate and maintain, all you have to do is regularly basic cleaning and maintenance of the machine body.

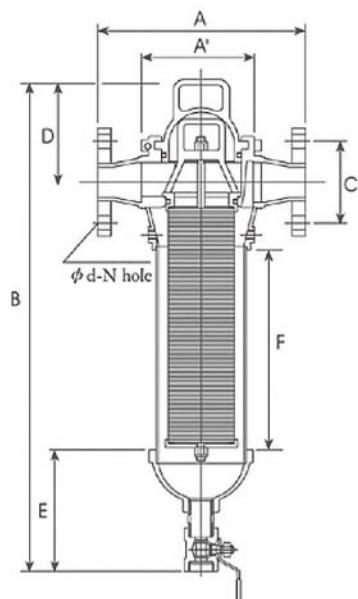
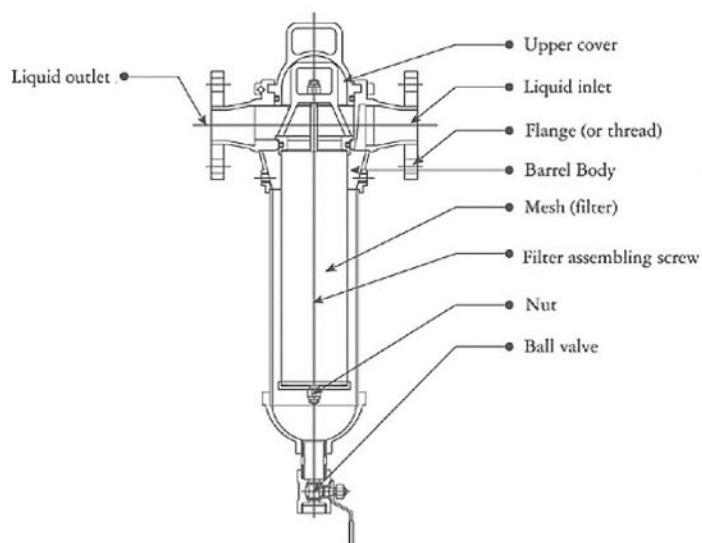
CJS Single Filter

••• The External Measurements of CJS Single Filter

| In-Outlet Size (mm) | Screen Diameter × Length (mm) | Screen Slot Width (mm) | Filter Housing Size (mm) | | | | | | | Backup Filter Screen Gauge Size (mm) | | |
|---------------------|-------------------------------|---|--------------------------|------|------|-----|-----|--------------|--------------|--------------------------------------|--|--|
| | | | A | A' | B | E | D | C | Ød-N Cavity | | | |
| 25 | Ø 85×300 | 0.025 | 330 | 135 | 680 | 142 | 90 | 105 | Ø19-4 Cavity | 265 | | |
| 32 | Ø 85×450 | | | | 830 | | | 100 | | 415 | | |
| 40 | Ø 85×500 | | | | 880 | | | 120 | | 465 | | |
| 50 | Ø 85×600 | | | | 975 | | | 140 | | 565 | | |
| 65 | Ø 85×900 | | 350 | 1415 | 1315 | | | 865 | | | | |
| 80 | Ø 85×1000 | Larger Slots can be customized for filter housing | | | 1415 | 173 | 150 | Ø19-8 Cavity | 965 | 965 | | |
| 100 | Ø 85×1000 | | | | 1415 | | | 175 | | 965 | | |

- Flow rate test is performed with a flow speed of 1m/sc, A specific gravity of 1 is measured by testing with normal water.
- In-outlet size of 1" , 1¼" , 1½" , 2" is suitable for Ø85×300~Ø85×600.
- In-outlet size of 2" , 2½" , 3" is suitable for Ø85×600~Ø85×1000.
- In-outlet size of 3" ~ 4" is suitable for Ø85×900~Ø 85×1000.

••• The Drawing of CJS Single Filter





The Table of Wedge Wire Screen Flow Amount

Manual Filter



••• The Table of Screen Mesh and Slot Comparison

| Japanese National Industrial Standard | | FILAD Manufacturing Specifications | | Tyler Standard | |
|---------------------------------------|-----------|------------------------------------|-----------|------------------|-----------|
| Mesh Number | Slot (mm) | Mesh Number | Slot (mm) | Mesh Number | Slot (mm) |
| 37 | 0.037 | 400 | 0.037 | 400 | 0.037 |
| 44 | 0.044 | 325 | 0.044 | 325 | 0.044 |
| 53 | 0.053 | 270 | 0.053 | 270 | 0.053 |
| 62 | 0.062 | 230 | 0.062 | 250 | 0.061 |
| 74 | 0.074 | 200 | 0.074 | 200 | 0.074 |
| 88 | 0.088 | 170 | 0.088 | 180 | 0.088 |
| 105 | 0.105 | 140 | 0.105 | 150 | 0.104 |
| 125 | 0.125 | 120 | 0.125 | 115 | 0.124 |
| 149 | 0.149 | 100 | 0.149 | 100 | 0.147 |
| 177 | 0.177 | 80 | 0.177 | 80 | 0.175 |
| 210 | 0.210 | 70 | 0.210 | 65 | 0.208 |
| 250 | 0.250 | 60 | 0.250 | 60 | 0.246 |
| 297 | 0.297 | 50 | 0.297 | 48 | 0.295 |
| 350 | 0.350 | 45 | 0.350 | 42 | 0.351 |
| 420 | 0.420 | 40 | 0.420 | 35 | 0.417 |
| 500 | 0.500 | 35 | 0.500 | 32 | 0.495 |
| 590 | 0.590 | 30 | 0.590 | 28 | 0.589 |
| 710 | 0.710 | 25 | 0.710 | 24 | 0.701 |
| 840 | 0.840 | 20 | 0.840 | 20 | 0.833 |
| 1000 | 1.000 | 18 | 1.000 | 16 | 0.991 |
| 1190 | 1.190 | 16 | 1.190 | 14 | 1.166 |
| 1410 | 1.410 | 14 | 1.140 | 12 | 1.397 |
| 1680 | 1.580 | 12 | 1.580 | 10 | 1.651 |
| 2000 | 2.000 | 10 | 2.000 | 9 | 1.981 |
| 2380 | 2.380 | 8 | 2.380 | 8 | 2.362 |
| 2630 | 2.630 | 7 | 2.830 | 7 | 2.794 |
| 3360 | 3.360 | 6 | 3.350 | 6 | 3.327 |
| 4000 | 4.000 | 5 | 4.000 | 5 | 3.962 |
| 4760 | 4.760 | 4 | 4.760 | 4 | 4.699 |
| 5600 | 5.600 | 3 ^{1/2} | 5.000 | 3 ^{1/2} | 5.613 |





The Table of Wedge Wire Screen Flow Amount

••• Selection of Flow Amount and Wedge Wire Screen

• A. The Reference Table of The In-outlet Size Selection for Clean Water

| In-Outlet Size A(B) | 32 | 40 | 50A | 65A | 80A | 100A | 125A | 150A | 200A | 250A | 300A |
|--|----|----|-----|-----|-----|------|------|------|------|------|------|
| The Processing Amount (ℓ/min) (flow speed : 1 m/sec) | 56 | 75 | 117 | 217 | 301 | 529 | 783 | 1131 | 1960 | 3038 | 4352 |

• B. The Table of Wedge Wire Screen Flow Amount (ℓ/min)

| In-Outlet Size | Screen Diameter × Length (mm) | Screen Slot (mm) | | | | | | | | | | | |
|----------------|-------------------------------|-------------------|------------------|-------------------|------------------|-------------------|------------------|------------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| | | 450 mesh 0.025 | 300 mesh 0.05 | 200 mesh 0.075 | 150 mesh 0.10 | 120 mesh 0.125 | 100 mesh 0.15 | 80 mesh 0.175 | 75 mesh 0.20 | 60 mesh 0.25 | 50 mesh 0.30 | 45 mesh 0.35 | 40 mesh 0.40 |
| 25 | Ø85×300-12S | 44 | 88 | 128 | 168 | 205 | 240 | 280 | 300 | 370 | 430 | 480 | 528 |
| | Ø85×300-18S | 29 | 58 | 85 | 112 | 136 | 160 | 186 | 200 | 246 | 286 | 320 | 352 |
| | Ø85×300-22S | 24 | 49 | 71 | 93 | 114 | 133 | 155 | 166 | 205 | 238 | 266 | 293 |
| 32 | Ø85×450-12S | 66 | 132 | 192 | 252 | 308 | 360 | 420 | 450 | 550 | 645 | 720 | 792 |
| | Ø85×450-18S | 44 | 88 | 128 | 168 | 205 | 240 | 280 | 300 | 366 | 430 | 480 | 528 |
| | Ø85×450-22S | 36 | 73 | 106 | 140 | 171 | 200 | 233 | 250 | 305 | 358 | 400 | 440 |
| 40 | Ø85×500-12S | 73 | 147 | 213 | 280 | 342 | 400 | 468 | 500 | 618 | 718 | 802 | 882 |
| | Ø85×500-18S | 48 | 98 | 142 | 186 | 228 | 266 | 312 | 333 | 412 | 478 | 534 | 588 |
| | Ø85×500-22S | 40 | 81 | 118 | 155 | 190 | 222 | 260 | 277 | 343 | 399 | 445 | 490 |
| 50 | Ø85×600-12S | 88 | 176 | 256 | 336 | 410 | 480 | 560 | 600 | 740 | 860 | 960 | 1056 |
| | Ø85×600-18S | 58 | 117 | 170 | 224 | 273 | 320 | 373 | 400 | 493 | 573 | 640 | 704 |
| | Ø85×600-22S | 49 | 97 | 142 | 186 | 227 | 266 | 311 | 333 | 411 | 477 | 533 | 586 |
| 65 | Ø85×900-12S | 132 | 264 | 384 | 504 | 615 | 728 | 840 | 900 | 1110 | 1290 | 1440 | 1584 |
| | Ø85×900-18S | 88 | 176 | 256 | 336 | 410 | 485 | 560 | 600 | 740 | 860 | 960 | 1056 |
| | Ø85×900-22S | 73 | 146 | 213 | 280 | 341 | 404 | 466 | 500 | 616 | 716 | 800 | 880 |
| 85 | Ø85×1000-12S | 145 | 290 | 422 | 554 | 677 | 792 | 924 | 1000 | 1221 | 1419 | 1584 | 1742 |
| | Ø85×1000-18S | 96 | 193 | 281 | 369 | 451 | 528 | 616 | 666 | 814 | 946 | 1056 | 1161 |
| 100 | Ø85×1000-22S | 80 | 161 | 234 | 307 | 376 | 440 | 513 | 555 | 678 | 788 | 880 | 967 |

- In-outlet size of 1", 1 1/4", 1 1/2", 2" is suitable for Ø85×300 ~ Ø85×600.
- In-outlet size of 2", 2 1/2", 3" is suitable for Ø85×600 ~ Ø85×1000.
- In-outlet size of 3" ~ 4" is suitable for Ø85×900 ~ Ø85×1000.

Table B is calculated according to the length of screen and the opening area. Considering the safety factor, the actual time of use takes into account the most suitable combination of the tube size in Table A and the width of the surface profiles (12S, 18S, 22S) in Table B.

The table of CJS Single Filter's flow amount is calculated in constantly operating for 24hrs. Therefore, after using for a period of time, it can still maintain filtering capability of 50% and extend the time of filtering (but there is an exception under unusual condition).