

# CJAS

## Scraper Automatic Filter



AFV-85-600

### Variations in Model Combinations

- Standard model
- Anti-pressure lost model  
(Two stage discharge system)
- Working station  
(Series connection model, parallel connection model)



Whirling Scraper Device

# CJAS

## Scraper Automatic Filter

### Features

- The model is automatically controlled. It cleans the screen automatically, discharges impurities and makes you save large amount on labor cost.
- Individual control box--It's easy to operate, maintain and contains low failure rate.
- Cleaning time and impurity discharging time can be set in advance so that the equipment can keep working automatically with high quality and safety.
- We use European stainless steel wedge wire screens which are perfectly filtering, high wear-resistance, and not easily broken or deformed. The filtration effect is better than traditional screens.
- Fully automatic and constant operation--We use the highly efficient motor, low electricity consumption, energy saving and low cost.



### SCRAPER AUTOMATIC FILTER

**Scraper** Automatic Filter uses European stainless steel wedge wire screen with a set of fully automatic whirling scrapers. The scrapers work with a speed reducing motor to clean the impurities off the surface of the screen and lower the clogging rate to achieve the best filtration quality. The scraped impurities settle at the purge chamber which works with a set of discharge valve. The Timer in the control

box (which can be adjusted) or the pressure differential detection device makes the valve discharge the impurities automatically which can keep working in high quality and efficiency without worker's operation.

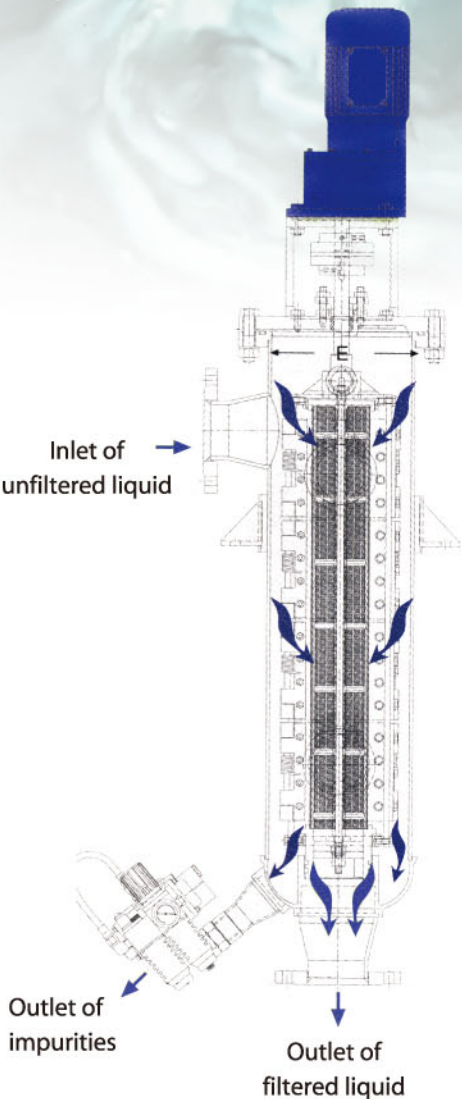


# CJAS

## Scraper Automatic Filter



**AFV-85-600**



# CJAS

## Scraper Automatic Filter



### ■ The Specifications of Scraper Automatic Filter

#### ■ The Maximum Processing Amount of Each Model's Opening Area

Slot : 0.15mm, 100 mesh

| Model       | In-outlet Size   | Coating<br>(flow speed : 1m/sec) | Clean Water<br>(flow speed : 1m/sec)                 | Recycled Water<br>(flow speed : 1m/sec)              |
|-------------|------------------|----------------------------------|--|--|
| AFV-85-12S  | 65A(2½")         | 11.8 \$ / hr                     | 217 ℓ /min<br>(the maximum passing area:1250 ℓ /min) | 173 ℓ /min<br>(the maximum passing area:1000 ℓ /min) |
| AFV-168-18S | 80A-150A(3-6")   | 15.9 \$ / hr                     | 1650 ℓ /min  | 1340 ℓ /min  |
| AFV-268-18S | 80A-300A(3-12")  | 26.0 \$ / hr                     | 2750 ℓ /min  | 2200 ℓ /min  |
| AFV-468-22S | 125A-300A(5-12") | 41.8 \$ / hr                     | 5921 ℓ /min  | 4730 ℓ /min  |

- The in-outlet size of AFV-85-12S is 65A(2½"). When the flow speed is 1 m/sec, the flow amount is 217 ℓ / min. The flow amount shown on this table is the amount of opening area.

Except the length of 468# is 900mm, the others are less than 600mm.

#### ■ The Reference Table of The In-outlet Size Selection for Clean Water

| In-Outlet Size A(B)                                   | 1" | 1¼" | 1½" | 50A<br>(2") | 65A<br>(2½") | 80A<br>(3") | 100A<br>(3") | 125A<br>(5") | 150A<br>(6") | 200A<br>(8") | 250A<br>(10") | 300A<br>(12") |
|---|----|-----|-----|-------------|--------------|-------------|--------------|--------------|--------------|--------------|---------------|---------------|
| The Processing Amount(ℓ/min)<br>(flow speed : 1m/sec) | 34 | 56  | 78  | 117         | 217          | 301         | 529          | 783          | 1131         | 1960         | 3038          | 4352          |

- If your company would like a specific in-outlet size, please select the model in the above table and notice us when you order it. Or we will manufacture it according to our standard specification.



# CJAS

## Scraper Automatic Filter



AFV-85-300

Parallel Connection Model

# CJAS

## Scraper Automatic Filter



AFV-268-600



AFV-168-600

### ■ The Specifications of Scraper Automatic Filter

#### ■ Flow Amount Table of the Screen Opening Rate

Flow speed : 1 m/sec

| Screen Slot<br>(mm/mesh)          | 430<br>mesh | 300<br>mesh | 200<br>mesh | 150<br>mesh | 120<br>mesh | 100<br>mesh | 80<br>mesh | 75<br>mesh | 60<br>mesh | 50<br>mesh | 45<br>mesh | 40<br>mesh |
|-----------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|------------|------------|------------|------------|------------|------------|
| Flow Amount (ℓ)<br>Product Models | 0.030       | 0.050       | 0.075       | 0.100       | 0.125       | 0.150       | 0.175      | 0.200      | 0.250      | 0.300      | 0.350      | 0.400      |
| AFV-85-300-12S                    | 117         | 228         | 335         | 436         | 533         | 626         | 713        | 800        | 960        | 1108       | 1245       | 1372       |
| AFV-85-300-18S                    | 78          | 157         | 228         | 300         | 369         | 436         | 501        | 565        | 686        | 800        | 908        | 1011       |
| AFV-85-600-12S                    | 234         | 457         | 670         | 873         | 1067        | 1253        | 1427       | 1601       | 1921       | 2217       | 2491       | 2745       |
| AFV-85-600-18S                    | 157         | 309         | 457         | 600         | 739         | 873         | 1002       | 1130       | 1372       | 1601       | 1817       | 2022       |
| AFV-168-600-18S                   | 303         | 598         | 882         | 1158        | 1426        | 1685        | 1933       | 2181       | 2648       | 3089       | 3507       | 3902       |
| AFV-168-600-22S                   | 253         | 501         | 741         | 975         | 1203        | 1426        | 1640       | 1853       | 2260       | 2648       | 3017       | 3370       |
| AFV-268-600-18S                   | 496         | 977         | 1442        | 1893        | 2330        | 2754        | 3159       | 3564       | 4327       | 5049       | 5731       | 6377       |
| AFV-268-600-22S                   | 414         | 818         | 1211        | 1594        | 1967        | 2330        | 2680       | 3029       | 3694       | 4327       | 47931      | 5508       |
| AFV-468-900-22S                   |             |             |             |             |             | 5921        | 6810       | 7698       | 9387       | 10997      | 12531      | 13996      |
| AFV-468-900-28S                   |             |             |             |             |             | 4913        | 5664       | 6415       | 7855       | 9237       | 10566      | 11843      |

- The flow amount above uses clean water as a measuring unit, and other high volume and viscose liquid rely on the actual test. when the pump flow amount is above 1 m/sec, the flow amount will increase, and when the pump flow amount is lower than 1 m/sec, the flow amount will decrease.