AQUA SYSTEM CO.,LTD.

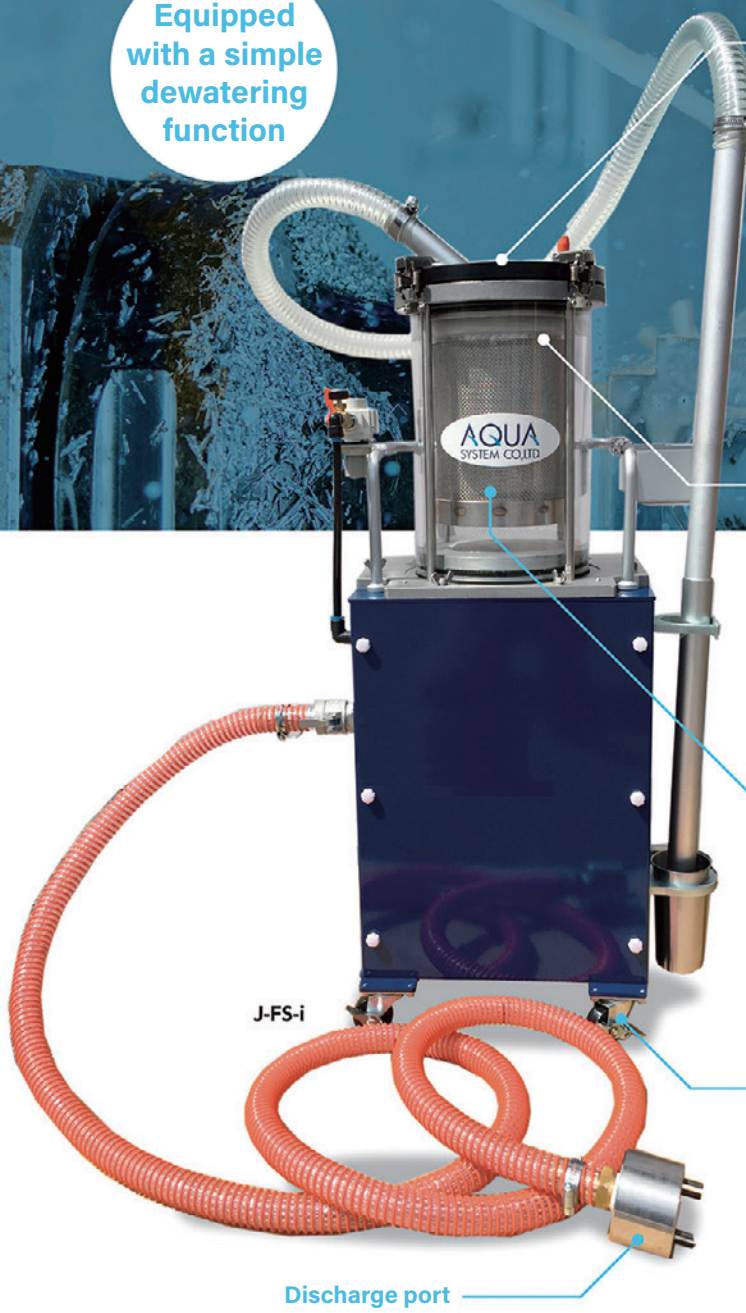
04

Recirculating Tank Cleaning and Filtration Unit

Compressor	Viscosity
5HP or larger	500 cP or less

Circulate and filter cutting fluid without stopping machining operations.

Equipped with a simple dewatering function



Continuous suction and discharge

Cutting fluid can be circulated and filtered while the machine is operating.



Collects metal chips and other contaminants while returning filtered fluid.



Filter for J-FS-i

For metal chips
SUS (SS) mesh filter

Standard: 40 mesh

- Optional #100-, #150-, and #200-mesh filters are available.
- The J-FS-i model can be converted to the J-FF-i configuration by purchasing and installing the J-FF-i nonwoven filter kit.



Filter for J-FF-i

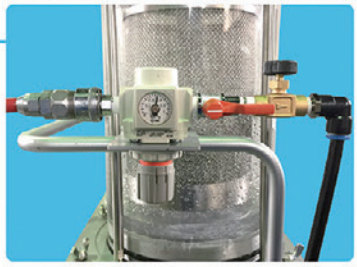
For grinding sludge
Nonwoven fabric filter

Suitable for removing cutting chips and grinding sludge from aluminum, stainless steel, bronze (CAC), plastics, and other materials.

- Custom filter are available on request.



Collected contaminants are visible.



Casters



Built-in casters make it easy to move the unit through narrow spaces.

- **No risk of electrical leakage.**
- **Reduces machine cleaning time.**
- **Compact design allows for working in tight spaces.**

YouTube
Visit our moving photo for further information.

Clean Anytime Without Stopping the Machine.

Recirculating Tank Cleaning and Filtration Unit

*japanese only

Makes efficient use of working time.

**Easy cutting-fluid filtration helps remove sources of bacterial growth and reduces chip-related wear.
More consistent cutting-fluid quality helps extend coolant service life.**

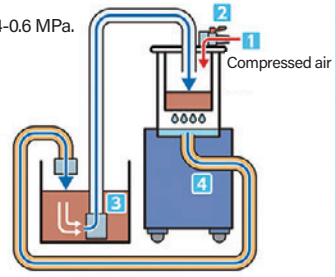
Filtration without stopping the machine — cleaning efficiency improved by 30%.

Clean cutting fluid while operating to slash cleaning time and maintain machine uptime.
Featuring a high capacity of up to 60 L/min, it is perfect for large-scale factories with multiple machine tools.



Filtering

1. Supply compressed air at 0.4-0.6 MPa.
2. Open the valve (ON/OFF).
3. Start suction.
4. Recirculate the filtered fluid.




Before filtration

After filtration

Easy filter maintenance.

To dispose of the contents, remove the top cover and take out the filter.
The stainless steel filter is washable and reusable. Scan the QR code to learn more about maintenance.





J-FS-i

Recirculating filtration cleaner **For metal chips / For grinding sludge**

J-FS-i / J-FF-i

For circulating and filtering cutting fluid.

Model		J-FS-i	J-FF-i
Liquids		Water-solube cutting fluid	
Air consumption (L/min)		230	
Max. suction lift (m)		4	
Max. discharge flow rate (L/min)		60	
Max. suction volume (L/min)		60	
Accessories	Filter	SUS (SS) mesh for chips	Nonwoven fabric for grinding sludge
	Nozzle	Straight pipe	
	Hoses	[discharge side] PVC (1.5 m×Ø32 mm) [suction side] reinforced PVC (3 m×Ø25 mm)	
Material of wetted parts	Main unit/Nozzle	AL/Acrylic	
	Packing	ABS resin/NBR	
Weight (kg)		36.3	37

Choose from two filter types.

Stainless steel mesh filter
J-FS-i
*You can use as FF type. with unwoven filter kit purchased



Nonwoven fabric filter
J-FF-i

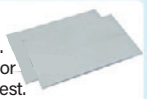


Custom-made filters are available.

Stainless Steel Filter
Standard 40-mesh filter; optional 100-, 150-, and 200-mesh filters.



Nonwoven Filter
Standard:400 mesh equivalent.
Custom filters equivalent to 100 or 200 mesh are available on request.



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