High Flow Processing Unit

TK High Flow Unit

The Definitive Trust Certified by 30,000 Units sold Leading Edge of Cyclone Technology Elementless Filter FILSTAR All-in-one, Large-scale Unit That Can Separate and Discharge Solid Particles 4 Series Based on Processing Quantity We have prepared 4 varieties of the high-flow type. 3000L/min 4000L/min 1500L/min 2000L/min Select from 3 Conveyor Types We have prepared 3 types of conveyors that accommodate different solid discharge levels and usage types. The new USC type was born from the requests made by our users. Screw Type Uplifting Type Uplifting Separation SC UC USC Simple Design Dehydration functions added to the UC 3/day or greater Type Optimal discharge achieved through Broad application to small discharge From low to high quantity discharges reducing quantities of 0.4 m Separable, Easy Storage in Various Containers The unit can be readily separated into lower and upper portions, and can be stored in a general-use 20-foot dry container. Furthermore, each portion can be slung from cranes and the like after separation, making transportation very easy. Referenced container type: 20' (8'6" high) Freely Rotate and Change Directions of IN/OUT Pipes

Rotation is not taken into consideration at the time of installation or design.

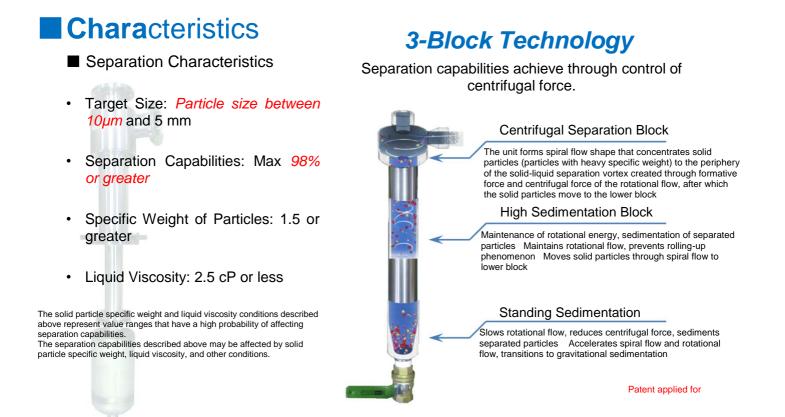
IN/OUT direction can be set freely "from right to right, from left to left, from right to left, from left to right."

By rotating the upper and lower sections of the unit, the discharge direction from the conveyor can be changed easily.



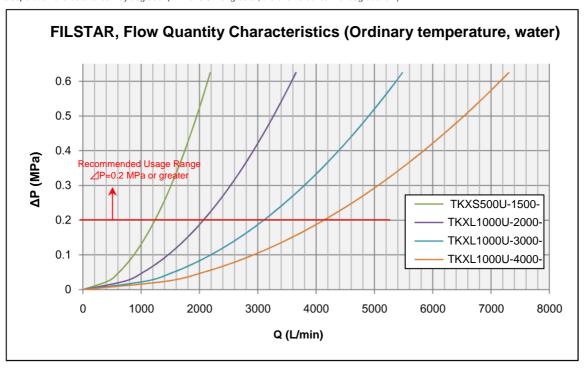
High Flow Processing Unit

TK High Flow Unit



Flow Quantity Characteristics

For flow characteristics of each unit, please refer to the graph below. The calculated values in the characteristics graph below were based on actual measurements taken by our company with ordinary-temperature fresh water, so each graphed characteristic may change based on factors such as the actual usage environment. The recommended use ΔP for each unit is 0.2 MPa or greater At 0.2 MPa or less, the separation characteristics may degrade. (if MPa is 0.2 or greater, there is no concern of degradation.)





TK High Flow Unit

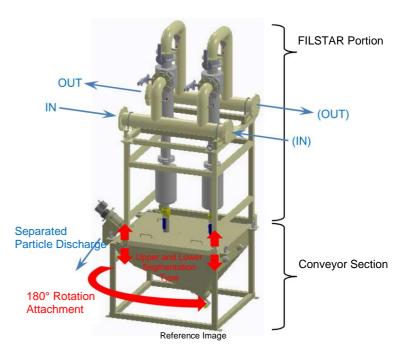
Advantages of Unit

Shared Between Models

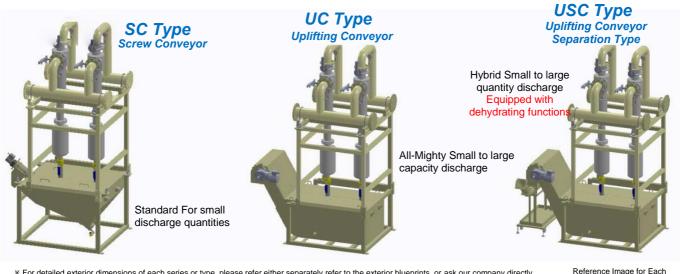
- IN/OUT Direction: Infusion (IN) and discharge (OUT) are possible from either side of the unit. (Please attach the included closing flanges on the side not in use.)
- Upper and Lower Segmentation: Unit can be separated into upper and lower sections for storage, transport, etc. (Upper and lower sections can be separated by removing the upper and lower section fittings found in 4 locations.)

* Both the FILSTAR portion and the conveyor portion are standardized to allow slinging.

- **Rotational Attachment:** When the upper and lower sections are separated, the conveyor portion can be rotated 180° and then attached. (Direction of separated particle discharge may be changed.)
- **FILSTAR Portion:** This portion has the same shape and specifications among unit series that process the same quantities of particles, regardless of the conveyor type. Example: Identical to FILSTAR portion of KXL 1000 U-2000 series
- **Conveyor Portion:** Please select from 3 types based on intended use. (Refer Below)



Models of Each Conveyor



× For detailed exterior dimensions of each series or type, please refer either separately refer to the exterior blueprints, or ask our company directly.

UC Type SC Type USC Type 0.4m³/day or less About~1.0m³/day **Discharge Quantity** Tank Capacity 160L 300L (1000, 2000L/min Series) Tank Capacity 370L 380L (2000, 3000L/min Series) **Conveyor Power Source** 200V (50/60Hz) * Terminal block waiting time

*The discharge quantity described above is a reference capacity depicting quantity prior to dehydration. Based on the condition of the subject substance, the actual capabilities of the unit may change.



Takachiho America, Inc.

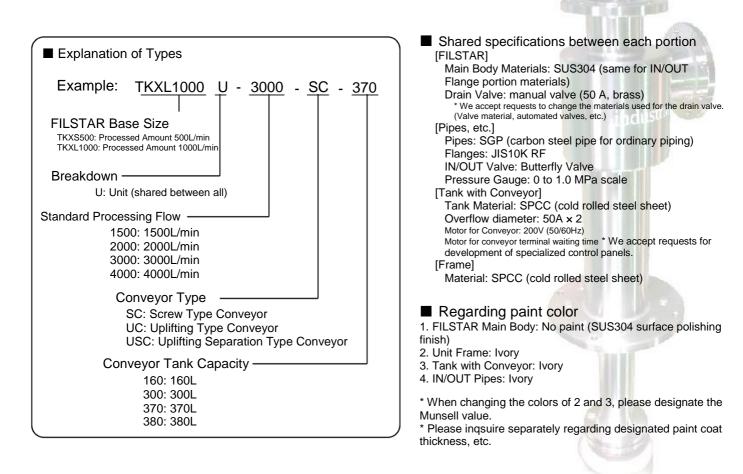
TK High Flow Unit

Types

Types		Standard Processing Flow	FILSTAR	IN/OUT Diameter	Tank with Conveyor
TKXS500U-1500-	SC-160 UC-300 USC-300	1500L/min	TKXS-500×3	JIS10K 125A	SC Type (Capacity 160L) UC Type (Capacity 300L) USC Type (Capacity 370L)
TKXL1000U-2000-	SC-160 UC-300 USC-300	2000L/min	TKXL-1000×2		(Same specifications as 1500L/min type)
TKXL1000U-3000-	SC-370 UC-380 USC-380	3000L/min	TKXL-1000×3	JIS10K 150A	SC Type (Capacity 370L) UC Type (Capacity 380L) USC Type (Capacity 380L)
TKXL1000U-4000-	SC-370 UC-380 USC-380	4000L/min	TKXL-1000×4	JIS10K 200A	(Same specifications as 3000L/min type)

* Please inquire separately regarding details for each specification.

* Units can be constructed in types and specifications other than those described above. Please feel free to ask questions.





Takachiho America, Inc. TEL:630-228-0615 info@takachiho-america.com http://www.takachiho-america.com/