

# Rotor units

## RUF 122-242

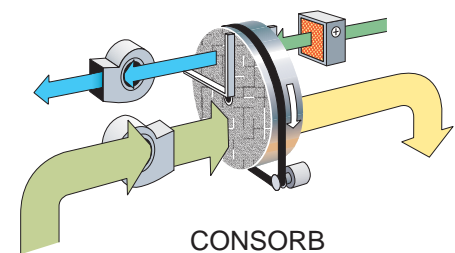
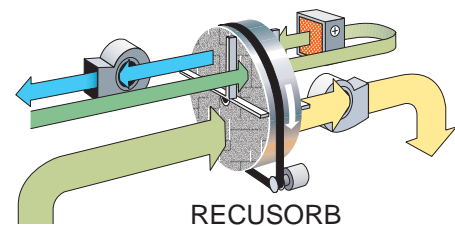
These high quality desiccant units are specially designed for building into customised air handling systems where a standard dehumidifier does not fit or match your specifications. Using the SSCR silica gel rotor unit, complete air handling systems can be designed and manufactured to conform to almost any specification.

The RUF rotor units are built on an anodised aluminium frame with inner panels of stainless steel. Rotor rotation is via a self tensioning chain drive and 3 phase motor/gearbox.

The SSCR rotor is supplied with a three year performance warranty, and is manufactured according to ISO 9001.

Each rotor unit comprises :

1. The SSCR desiccant rotor
2. Geared drive motor with chain transmission
3. Stainless steel chassis
4. Sector seals

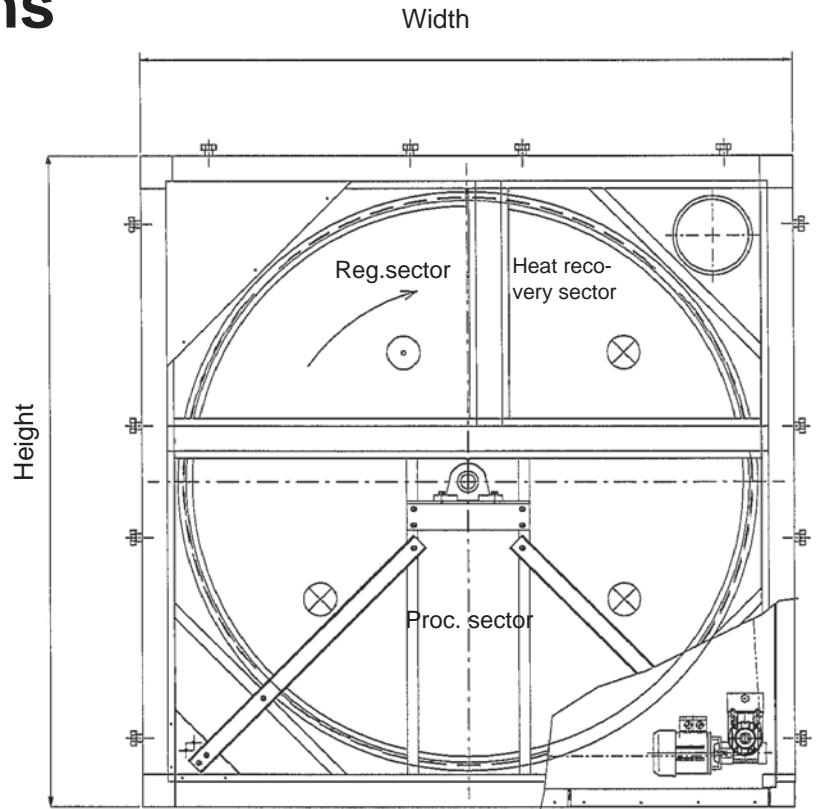
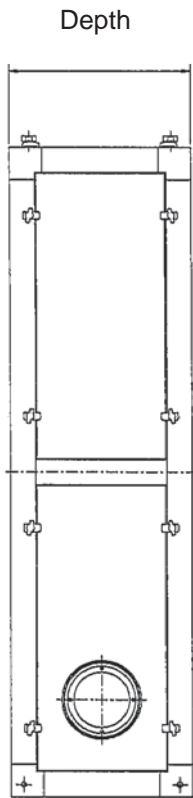


The rotor unit operates using one of the above dehumidification principles.



Choose between four rotors from Seibu Giken, all with unique qualities:  
**SSCR-U** -rotor for standard applications  
**SSCR-H** -bactericidal & hygienic  
**SSCR-CI** -silicon free rotor  
**SZCR** -zeolite rotor for low dew points

# RUF dimensions



⊗ Airflow going into rotor      ⊙ Airflow coming out of rotor

Optional: other rotor configurations

See other data sheets for smaller airflows (RU-60 to 102).

Outer dimensions for RUF						
Model: Recusorb / Consorb	Nominal airflow [m <sup>3</sup> /h]	Nominal capacity* [kg/h]	Height [mm]	Width [mm]	Depth [mm]	Weight [kg]
RUF-122	11 000	79	1500	1500	500	250
RUF-152	17 000	127	1805	1805	500	320
RUF-172	23 000	171	2010	2010	500	360
RUF-192	28 000	208	2220	2220	500	450
RUF-222	38 000	274	2470	2470	500	650
RUF-242	45 000	326	2700	2700	500	760

\* At nominal airflow and 20°C / 60%RH.

Recusorb: Process-sector 60 % , Heat recovery sector 15 % , Reg. sector 25%

Consorb 75/25: Process-sector 75% , Reg-sector 25%

Consorb 60/40: Process-sector 60% , Reg-sector 40%

For detailed design or for smaller rotor units, please contact your nearest Seibu Giken DST-representative for data. You can also visit us at [www.dst-sg.com](http://www.dst-sg.com)

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**Representative:**