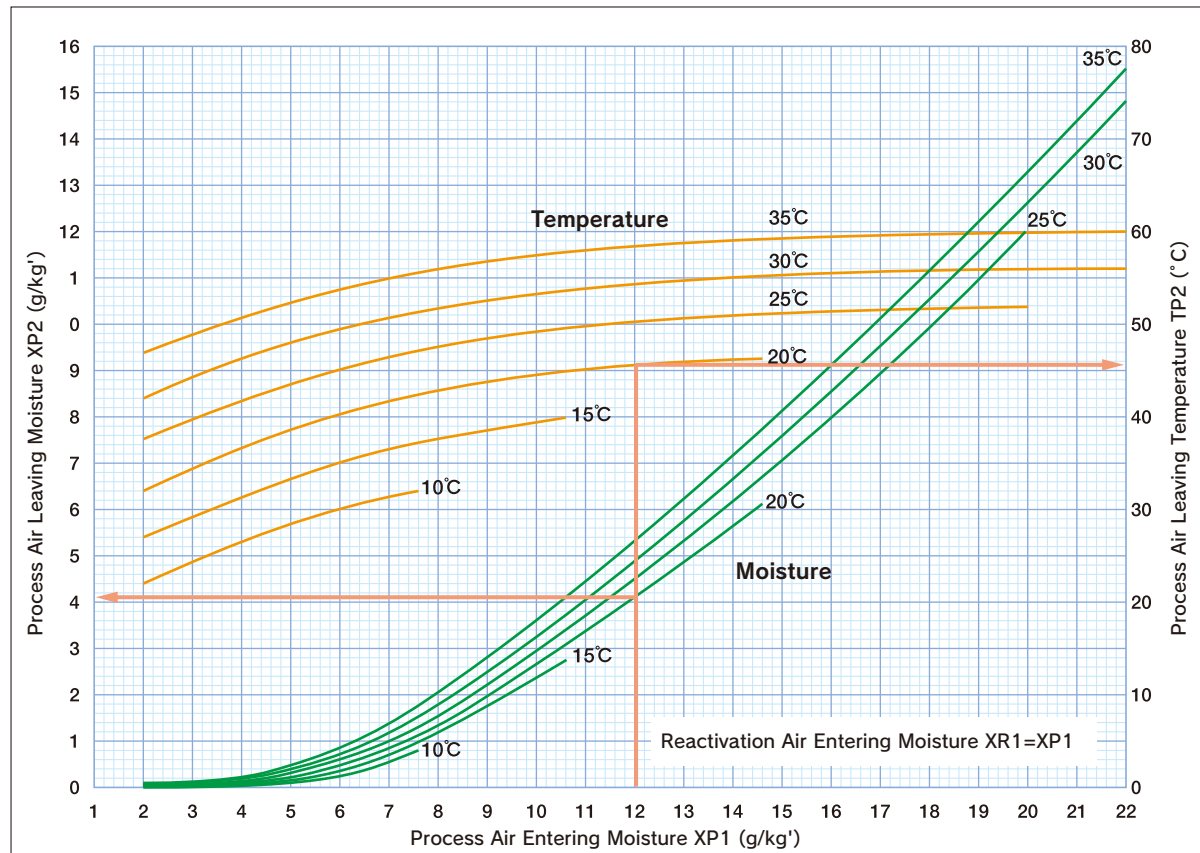


Performance Chart

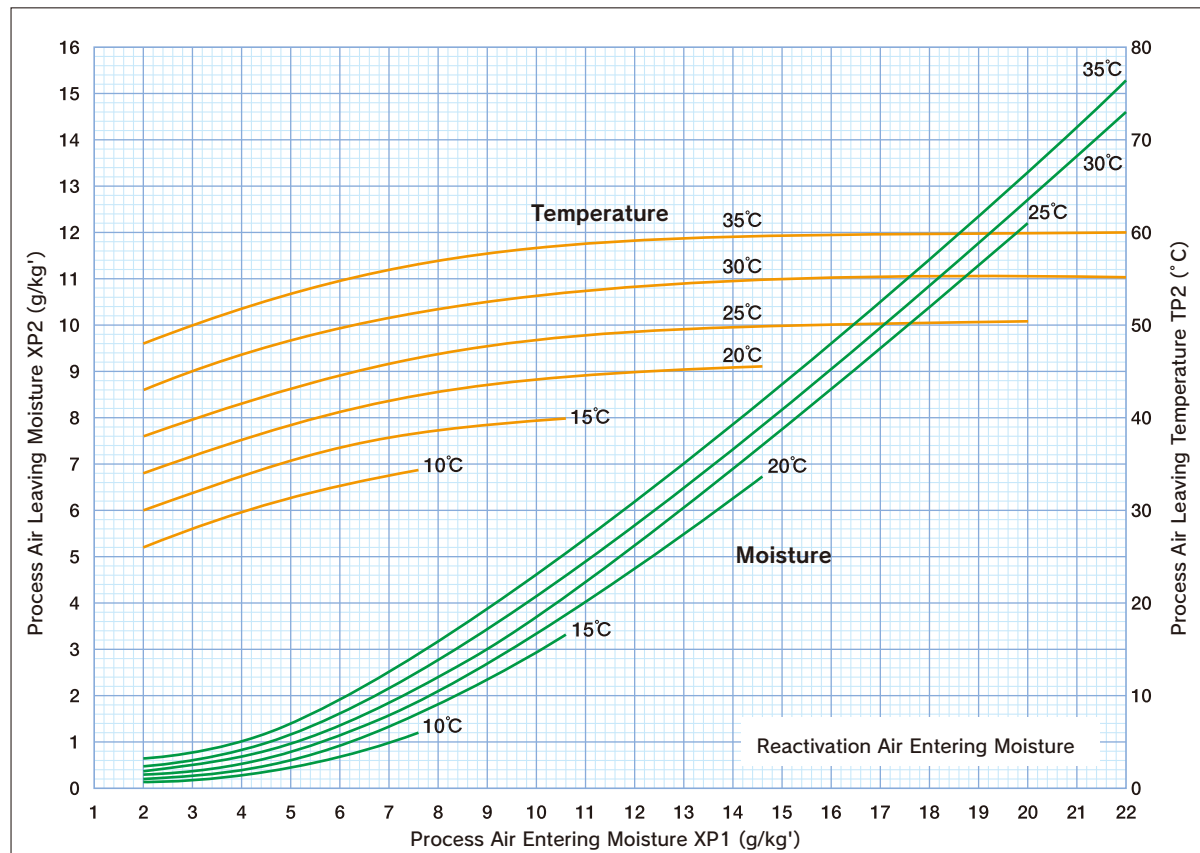


Process Leaving Moisture

In case of dehumidifying the process air with 20°C, 12g/kg(DA), enter the chart from the X-axis at entering moisture (12g/kg) and move vertically in a straight line to intersect the curve of entering temperature (20°C). Move horizontally to the left after intersection of entering temperature curve and intersect the Y-axis. The value (XP2=4.1g/kg) at this point indicates the process air leaving.

Process Leaving Temperature

Enter the chart from the X-axis at entering moisture (12g/kg) and move vertically in a straight line to intersect the curve of entering temperature (20°C). Move horizontally to the right after intersection of entering temperature curve and intersect the Y-axis. The value (TP2=45.5°C) at this point indicates the process air leaving.



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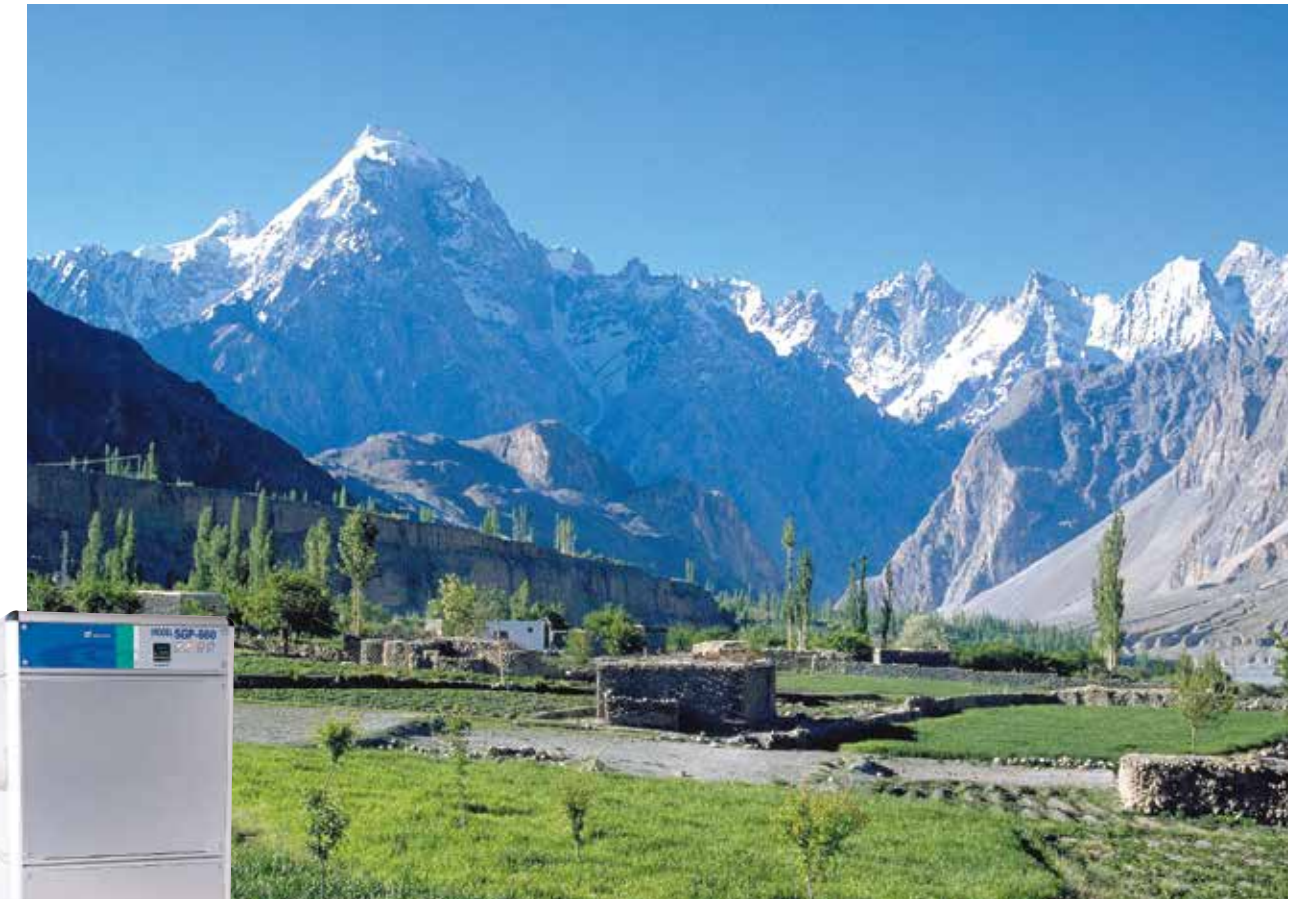
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"DRY-SAVE"

DRY-SAVE®
Desiccant Dehumidifier



New-SGP Series



The Brand-new Dehumidifier New-SGP Series



Using of our latest design, we succeeded in developing New-SGP dehumidifier which is smaller, lighter and more energy-saving than a conventional SGP. "D-MAX®", which has been developed with our long experience, realizes high performance as well as excellent dehumidification for various needs of many industries.

Features of New-SGP Series

1. 20% lower of operating cost

We realize reducing 20% of electric capacity for reactivation heater in comparison with previous model*1 by adopting energy-saving flow which can recover reactivation heat. In addition, thermal load of cooler is reduced drastically in case of cooling because temperature of supply air got low. In total system, we can reduce operating cost more.

2. Producing 10% larger air volume, reducing motor capacity

In order to run air smoothly, we made machine body smaller and reengineered how to run the air, at the same time. As a result, we achieved to produce 10% larger processed air than before and to reduce fan motor capacity*2.

It is easy to control air volume because inverters are equipped to both process fan and reactivation fan.

*1 In in-house comparisons with previous model
*2 The results depend on each models.

3. D-MAX®, high performance silica-gel rotor

We introduced the world's first commercialized silica-based rotor, the SSCR®, in 1984. SSCR® were highly valued and installed to more than 20,000 dehumidifiers in all over the world. D-MAX® has been developed with an even higher moisture removal capacity than the industry-standard SSCR®. It can be used under 100% relative humidity and washable. It is made of nonflammable structure and has enough strength.

4. 50% lighter

We succeeded to reduce machine weight by using aluminum to frames and panels. It is lighter than conventional machine by 50%.

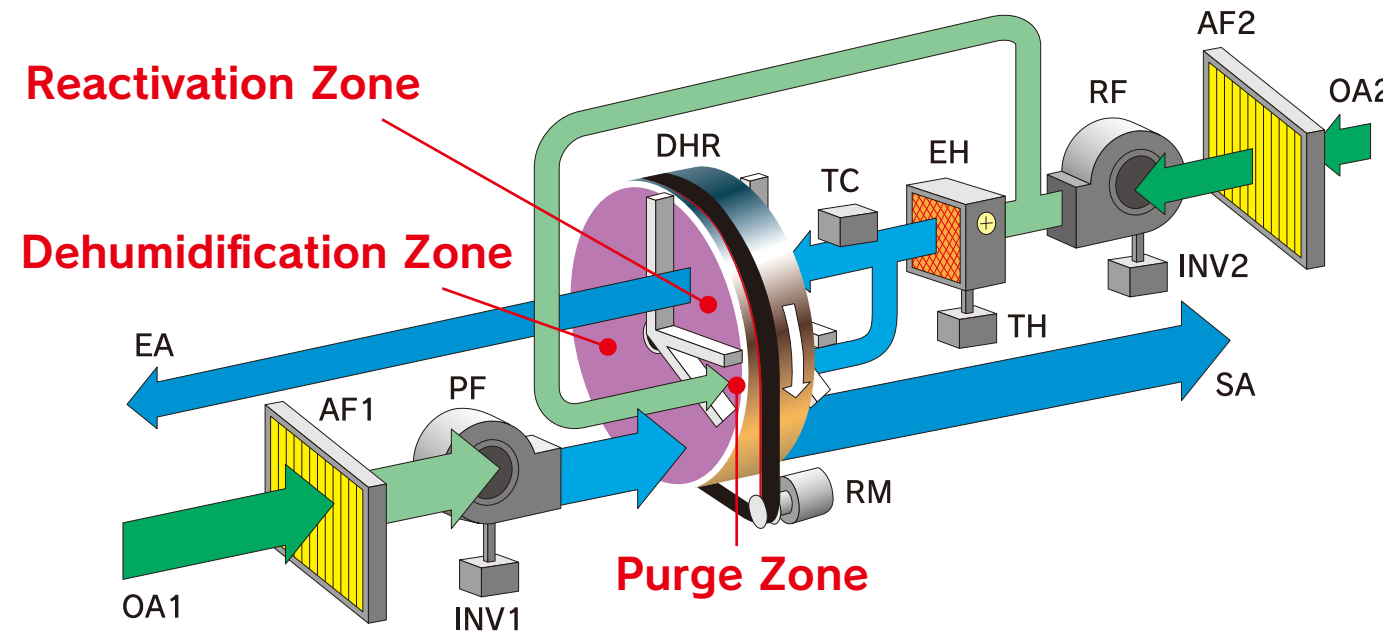
5. Easy operation & maintainance

Thanks to simple and compact design, there are less drive parts and vibrating parts. As a result, it is easy to operate and to maintain.

Specification Table of New-SGP

Model		SGP-330	SGP-660	SGP-1100	
Air volume	m³/h	330	660	1100	
Process fan	Capacity	m³/h	330	1100	
	External static pressure	Pa	200		
	Motor power capacity	KW	0.2	0.3	0.75
Reactivation fan	Capacity	m³/h	130	260	440
	External static pressure	Pa	200		
	Motor power capacity	KW	0.1	0.2	0.3
Reactivation heater	KW	3.0	6.0	10.0	
Rotor geared motor	KW	0.006	0.006	0.006	
Power consumption	KW	3.4	6.6	11.1	
Ampere(50/60Hz)	A	10.42/10.56	19.6/20.2	33.4/34.8	
Filter	Coarse dust filter				
Power source	3-phase 200V 50/60Hz				

Flow Pattern of New-SGP

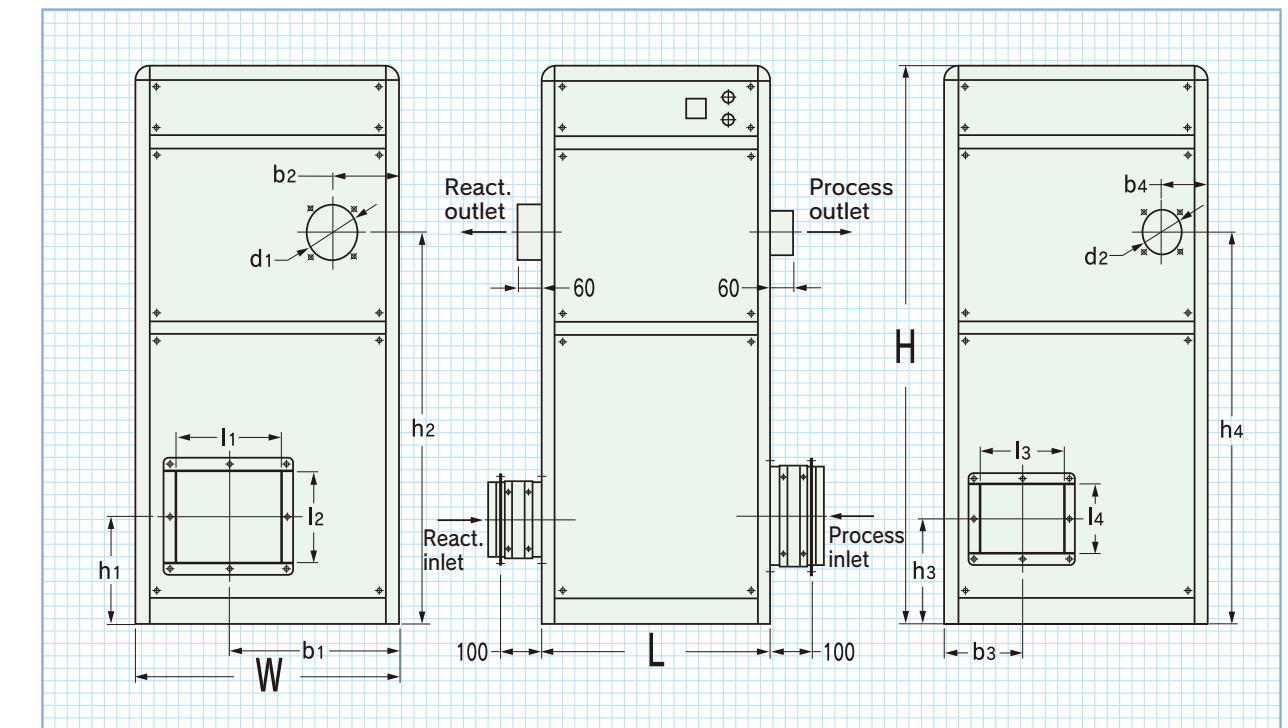


Code	Item
DHR	Dehumidifier Rotor
RM	Rotor Geared Motor
PF	Process Fan
RF	Reactivation Fan

Code	Item
AF1	Air Filter 1
EH	Electric Heater
INV	Inverter
TC	Thermo Couple

Code	Item
TH	Thermostat
AF2	Air Filter 2

Dimensional Drawing of New-SGP



Dimension Table of New-SGP

	W	L	H	Weight(kg)
SGP-330	620	550	1200	130
SGP-660	670	700	1380	160
SGP-1100	770	800	1500	220

	h1	b1	h2	b2	h3	b3	h4	b4	d1	d2	l1	l2	l3	l4
SGP-330	235	440	835	130	260	230	835	130	100	125	200	150	250	200
SGP-660	260	480	940	140	260	245	940	140	125	150	250	200	350	300
SGP-1100	260	555	1010	160	305	290	1010	165	150	200	300	250	400	350

*Specifications are subject to change for modification without notice.

*Casters are not included in standard specifications.

*In case of using in process air is under 15°C, it will be attached thermal insulation. Specifications might be varied depend on installation environment.