RELIABILITY DURABILITY PERFORMANCE

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HITACHI

SULLAIR

COMPRESSED AIR TREATMENT



Hitachi Global Air Power

ABOUT SULLAIR

Since 1965, Sullair has been leading innovation in the field of screw compression and vacuum technology. With more than 60 years of experience, we have made a new round of innovation in this field. Sullair adopts the most advanced technology, equipment and production processes to provide customers with the best air compressors and vacuum equipment to meet the most demanding requirements of customers. Sullair has a first-class screw rotor design, which leads the industry trend in this field.

RELIABILITY

Customers who work with Sullair have found that the intangibles make all the difference — things like trust, confidence and peace of mind. They go to work every day having full faith in their equipment, as well as the knowledge that dedicated distributors and Sullair personnel have their back every step of the way.

DURABILITY

Bulletproof. Built to last. However you spin it, Sullair compressors are in it for the long haul, driven by the design of the legendary Air End. In factories and on jobsites all over the world, you will find Sullair compressors standing the test of time, running consistently today like they did on day one.

HIGH PERFORMANCE

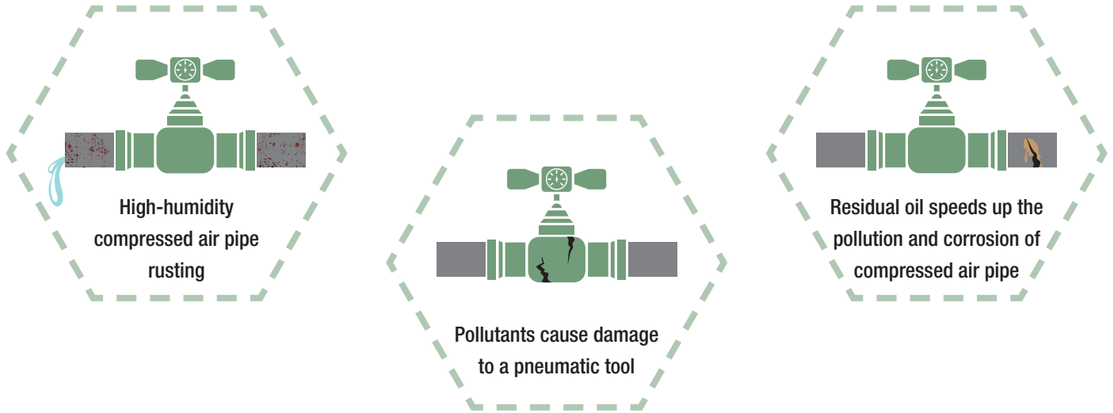
You have high expectations for your operations, and we make machines that share your work ethic. Sullair compressors do what they're supposed to do, and they do it extremely well for a very long time. And working with us means not only access to clean, quality air, but also the tools you need to optimize this vital resource.

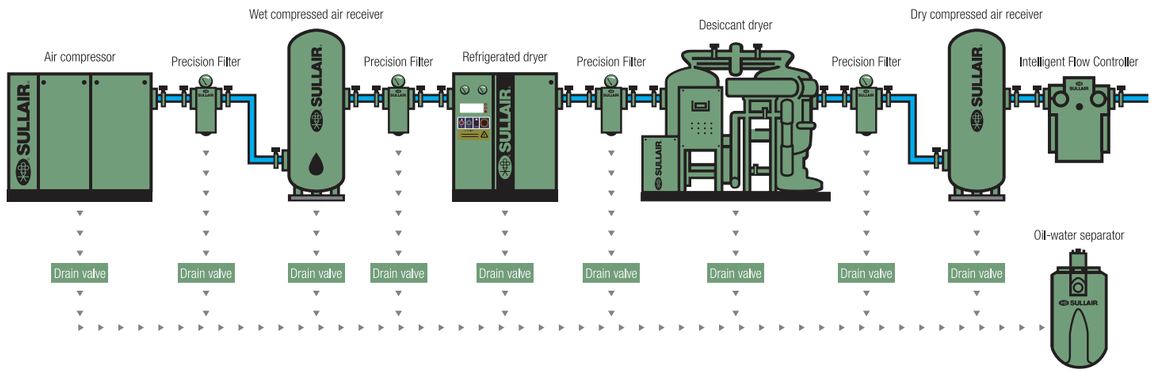
WHY DOES A COMPRESSED AIR SYSTEM NEED THE AIR-TREATMENT?

Different from utilities products like gas, water and electricity, compressed air is usually generated on site for use, and its ultimate quality is maintained by users.

Various pollutants exist in the air, while those in compressed air mainly include water, oil, dust, microorganism and so on. As the air is compressed, the density of pollutants in the air increases simultaneously so that these pollutants will lead to product deficiency and enhance the product line stopping risk as well as costs of product maintenance. Only when the pollutants are removed or reduced to an acceptable extent can the compressed air be used effectively.

Compressed air is a valuable energy. Air-treatment function of Sullair air compression system aims to realize air purification of the highest level in strict compliance with ISO standard, thereby lowering the maintenance cost and suspension time and improving the product yield.





SRF Refrigerated dryer

Product feature

Modular design heat exchanger

- Precooler, evaporator, external gas-water separation modular design.
- Compact structure, low pressure loss, high reliability.
- External cyclone air water separator ensures stable pressure dew point.
- The shell of the heat exchanger is made of stainless steel or aluminum alloy with strong corrosion resistance.

Suitable for standard operating conditions

- Maximum intake temperature 45°C.
- Maximum ambient temperature 40°C.

* After the modified selection, it can be applied to the maximum inlet temperature of 60°C and the maximum ambient temperature of 50°C



Standard operating condition

The inlet temperature is 38°C, the ambient temperature is 38°C, and the inlet pressure is 7 bar.

Pressure dew point

2-10°C.

Correction factor

Pressure correction factor										
3 bar	4 bar	5 bar	6 bar	7 bar	8 bar	9 bar	10 bar	11 bar	12 bar	13 bar
0.76	0.86	0.9	0.93	1.00	1.04	1.08	1.11	1.15	1.18	1.22

Inlet temperature correction factor						
35°C	38°C	40°C	45°C	50°C	55°C	60°C
1.11	1.00	0.92	0.76	0.69	0.56	0.46

Ambient temperature correction factor						
25°C	30°C	35°C	38°C	40°C	45°C	50°C
1.15	1.10	1.02	1.00	0.89	0.79	0.69

Cooling water temperature correction						
20°C	25°C	32°C	35°C	40°C	45°C	50°C
1.17	1.09	1.00	0.92	0.84	0.79	0.69

Product information and technical parameters

SRF water cooling refrigerated dryer									
Model	Part number	Flow at Standard Condition m^3/min	Power V/PH/Hz	Refrigerant	Rated power kW	Water consumption T/H	Connection Diameter	Dimension L*W*H mm	Net Weight kg
SRFW-170	1006-4473	17.0	220/1/50	R407C	2.59	0.73	Rc2"	1,000×707×1,030	140
SRFW-230	1006-4474	22.0	380/3/50	R407C	3.19	0.96	Rc2"	1,000×707×1,030	150
SRFW-270	1006-4475	27.0	380/3/50	R407C	3.56	1.07	Rc2 1/2"	1,000×830×1,600	250
SRFW-330	1006-4476	33.0	380/3/50	R407C	4.56	1.38	Rc2 1/2"	1,000×830×1,600	260
SRFW-350	1006-4477	37.0	380/3/50	R407C	5.35	1.61	Rc2 1/2"	1,000×830×1,600	270
SRFW-450	1006-4478	45.0	380/3/50	R407C	5.94	1.79	DN100	1,100×1,010×1,750	500
SRFW-550	1006-4479	55.0	380/3/50	R407C	7.59	2.29	DN100	1,100×1,010×1,750	500
SRFW-670	1006-4480	65.0	380/3/50	R407C	9.19	2.77	DN100	1,100×1,010×1,750	500
SRFW-750	1006-4481	73.0	380/3/50	R407C	10.13	3.05	DN125	1,100×1,010×1,750	500
SRFW-850	1006-4482	80.0	380/3/50	R407C	10.56	3.18	DN150	1,500×1,100×1,800	680
SRFW-950	1006-4483	90.0	380/3/50	R407C	12.42	3.74	DN150	1,500×1,100×1,800	700
SRFW-1100	1006-4484	100.0	380/3/50	R407C	13.19	3.98	DN150	1,778×1,100×1,800	930

SRF air cooling refrigerated dryer										
Model	Part number	Flow at Standard Condition m^3/min	Power V/PH/Hz	Refrigerant	Cooling power HP	Rated power kW	Water consumption T/H	Connection Diameter	Dimension L*W*H mm	Net Weight kg
SRF-006	1006-4447	0.6	220/1/50	R134a	0.5	0.12	36	Rc1/2"	500×250×500	25
SRF-009	1006-4448	0.9	220/1/50	R134a	0.5	0.19	40	Rc1/2"	500×250×500	25
SRF-012	1006-4449	1.2	220/1/50	R134a	1	0.23	53	Rc1/2"	600×310×500	30
SRF-015	1006-4450	1.5	220/1/50	R134a	1	0.29	53	Rc1/2"	600×310×500	30
SRF-018	1006-4451	1.8	220/1/50	R134a	1	0.35	53	Rc1/2"	600×310×500	30
SRF-025	1006-4452	2.4	220/1/50	R134a	0.38	0.46	53	Rc3/4"	750×360×550	50
SRF-030	1006-4453	3.0	220/1/50	R134a	0.38	0.60	53	Rc3/4"	750×360×550	50
SRF-036	1006-4454	3.6	220/1/50	R134a	0.38	0.74	53	Rc3/4"	750×360×550	55
SRF-050	1006-4456	4.0	220/1/50	R134a	0.38	0.85	53	Rc3/4"	750×360×550	55
SRF-070	1006-4457	6.5	220/1/50	R407C	1.53	0.94	140	Rc1 1/2"	760×585×880	78
SRF-085	1006-4458	8.8	220/1/50	R407C	1.53	1.34	140	Rc1 1/2"	760×585×880	80
SRF-110	1006-4459	11.0	220/1/50	R407C	2.1	1.75	140	Rc1 1/2"	760×585×880	85
SRF-130	1006-4460	13.0	220/1/50	R407C	3.03	1.89	250	Rc2"	1,000×707×1,030	130
SRF-170	1006-4461	17.0	220/1/50	R407C	3.03	2.59	250	Rc2"	1,000×707×1,030	140
SRF-230	1006-4462	22.0	380/3/50	R407C	3.5	3.19	250	Rc2"	1,000×707×1,030	150
SRF-270	1006-4463	27.0	380/3/50	R407C	4	3.56	250	Rc2 1/2"	1,000×830×1,600	250
SRF-330	1006-4464	33.0	380/3/50	R407C	5	4.56	250	Rc2 1/2"	1,000×830×1,600	260
SRF-350	1006-4465	37.0	380/3/50	R407C	6	5.35	250	Rc2 1/2"	1,000×830×1,600	270
SRF-450	1006-4466	45.0	380/3/50	R407C	7	5.94	450	DN100	1,250×1,120×1,750	500
SRF-550	1006-4467	55.0	380/3/50	R407C	8	7.59	450	DN100	1,250×1,120×1,750	510
SRF-650	1006-4468	65.0	380/3/50	R407C	10	9.19	450	DN100	1,250×1,120×1,750	550
SRF-750	1006-4469	73.0	380/3/50	R407C	10	10.13	450	DN125	1,250×1,120×1,750	580
SRF-850	1006-4470	80.0	380/3/50	R407C	12	10.56	450	DN150	1,400×2,000×1,770	700
SRF-900	1006-4471	90.0	380/3/50	R407C	12	12.42	450	DN150	1,400×2,000×1,770	720
SRF-1000	1006-4472	100.0	380/3/50	R407C	15	13.19	450	DN150	1,400×2,000×1,770	940

SPE-S Heated Desiccant dryer

Product feature

- Siemens PLC+4.3" touch screen control.
- The bottom of the adsorption tower adopts the supporting ceramic ball, the air distribution is uniform, and the desiccant has a longer service life.
- Equipped with specially designed stainless steel shunt greatly reduces pressure loss.
- Specially designed high performance desiccant can obtain the best dew point, pressure dew point -20°C, -40°C.
- Pressure dew point -70°C (optional).
- The full range of standard configuration for high-performance pneumatic valves, reliability and pressure loss is significantly better than thin film valves, solenoid valves.



Standard operating condition

The inlet temperature is 38°C, the ambient temperature is 38°C, the inlet pressure is 7 bar, and maximum working pressure is 10 bar.

Correction factor

Pressure correction factor					
5 bar	6 bar	7 bar	8 bar	9 bar	10 bar
0.75	0.87	1.00	1.13	1.25	1.38

Inlet temperature correction factor				
35°C	38°C	40°C	42°C	45°C
1.18	1.00	0.90	0.81	0.69

Product information and technical parameters

SPE-S Heated Desiccant dryer								
Model	Part number	Flow at Standard Condition m^3/min	Regenerated compressed air m^3/min	Heating power kW	Power V/PH/HZ	Connection Diameter	Dimension L*W*H mm	Net Weight kg
SPE-215S	1006-4318	6	0.42	3	380/3/50	DN50	1,454×750×2,182	510
SPE-290S	1006-4320	8	0.56	3	380/3/50	DN50	1,454×750×2,182	520
SPE-355S	1006-4321	10	0.7	6	380/3/50	DN50	1,550×750×2,386	585
SPE-425S	1006-4323	12	0.84	6	380/3/50	DN50	1,550×750×2,386	600
SPE-530S	1006-4325	15	1.05	8	380/3/50	DN50	1,550×750×2,386	680
SPE-700S	1006-4327	20	1.4	10	380/3/50	DN65	1,750×800×2,598	870
SPE-885S	1006-4329	25	1.75	12	380/3/50	DN65	1,750×800×2,598	975
SPE-1060S	1006-4332	30	2.1	15	380/3/50	DN80	1,952×940×2,585	1,150
SPE-1250S	1006-4334	35	2.5	18	380/3/50	DN80	1,952×940×2,585	1,150
SPE-1450S	1006-4336	40	2.8	21	380/3/50	DN80	1,952×940×2,585	1,350
SPE-1800S	1006-4338	50	3.5	27	380/3/50	DN100	2,310×1,000×2,717	1,600
SPE-2200S	1006-4340	60	4.2	30	380/3/50	DN100	2,310×1,000×2,717	2,100
SPE-2800S	1006-4342	80	5.6	45	380/3/50	DN125	3,000×1,524×2,994	2,500

SPR-S Heatless Desiccant dryer

Product feature

- PCB computer board control.
- Siemens PLC+4.3" touch screen control(optional).
- The bottom of the adsorption tower adopts the supporting ceramic ball, the air distribution is uniform, and the desiccant has a longer service life.
- Equipped with specially designed stainless steel shunt greatly reduces pressure loss.
- Specially designed high performance desiccant can obtain the best dew point, pressure dew point -20°C, -40°C.
- Pressure dew point -70°C (optional).
- The full range of standard configuration for high-performance pneumatic valves, reliability and pressure loss is significantly better than thin film valves, solenoid valves.



Standard operating condition

The inlet temperature is 38°C, the ambient temperature is 38°C, the inlet pressure is 7 bar, and maximum working pressure is 10 bar.

Correction factor

Pressure correction factor					
5 bar	6 bar	7 bar	8 bar	9 bar	10 bar
0.75	0.87	1.00	1.13	1.25	1.38

Inlet temperature correction factor					
35°C	38°C	40°C	42°C	45°C	50°C
1.18	1.00	1.00	1.00	0.85	0.71

Product information and technical parameters

SPR-S Heatless Desiccant dryer									
Pressure dew point -40°C		Pressure dew point -20°C		Flow at Standard Condition m^3/min	Regenerated compressed air m^3/min	Power V/PH/HZ	Connection Diameter	Dimension L*W*H mm	Net Weight kg
Model	Part number	Model	Part number						
SPR-70S	1006-4212	**SPR-70S-20**	1006-4285	2	0.28	220/1/50	1"	889×409×1,708	198
SPR-110S	1006-4257	**SPR-110S-20**	1006-4287	3	0.42	220/1/50	1"	952×460×1620	325
SPR-215S	1006-4259	**SPR-215S-20**	1006-4289	6	0.84	220/1/50	DN40	1,060×730×2,005	510
SPR-290S	1006-4261	**SPR-290S-20**	1006-4291	8	1.12	220/1/50	DN40	1,060×730×2,005	520
SPR-360S	1006-4263	**SPR-360S-20**	1006-4293	10	1.4	220/1/50	DN50	1,184×737×2,069	585
SPR-425S	1006-4265	**SPR-425S-20**	1006-4295	12	1.68	220/1/50	DN50	1,184×737×2,069	600
SPR-530S	1006-4267	**SPR-530S-20**	1006-4297	15	2.1	220/1/50	DN50	1,184×737×2,069	680
SPR-700S	1006-4269	**SPR-700S-20**	1006-4299	20	2.8	220/1/50	DN65	1,412×1,018×1,983	870
SPR-885S	1006-4271	**SPR-885S-20**	1006-4303	25	3.5	220/1/50	DN65	1,412×1,018×1,983	975
SPR-1060S	1006-4273	**SPR-1060S-20**	1006-4305	30	4.2	220/1/50	DN80	1,662×978×2,058	1,150
SPR-1250S	1006-4275	**SPR-1250S-20**	1006-4307	35	4.9	220/1/50	DN80	1,662×978×2,058	1,275
SPR-1450S	1006-4277	**SPR-1450S-20**	1006-4309	40	5.6	220/1/50	DN80	1,662×978×2,058	1,350
SPR-1800S	1006-4279	**SPR-1800S-20**	1006-4312	50	7.0	220/1/50	DN100	2,012×983×2,293	1,600
SPR-2200S	1006-4281	**SPR-2200S-20**	1006-4314	60	8.4	220/1/50	DN100	2,012×983×2,293	2,100
SPR-2830S	1006-4283	**SPR-2830S-20**	1006-4316	80	11.2	220/1/50	DN125	2,200×1,150×2,500	2,500

SPBZ-S Blower Purge Zero Loss Desiccant dryer

Product feature

- Use Siemens PLC+7" touch screen to control.
- High efficiency and energy saving, no need to consume finished dry air.
- High reliability, reliable valve control.
- A variety of energy saving control systems LDCS load control system and DPOS dew point control system (optional).
- Designed for constant -20°C, -40°C pressure dew point.
- Pressure dew point -70°C (optional).
- Dew point meter (optional).



Standard operating condition

The inlet temperature is 38°C, the ambient temperature is 38°C, and the inlet pressure is 7 bar.

Correction factor

Pressure correction factor					
5 bar	6 bar	7 bar	8 bar	9 bar	10 bar
0.75	0.87	1.00	1.13	1.25	1.38

Inlet temperature correction factor				
35°C	38°C	40°C	42°C	45°C
1.18	1.00	0.90	0.81	0.69

Product information and technical parameters

SPBZ-S Blower Purge Zero Loss Desiccant dryer										
Pressure dew point -40°C		Pressure dew point -20°C		Flow at Standard Condition m^3/min	Regenerated compressed air m^3/min	Heating power kW	Power V/PH/HZ	Connection Diameter	Dimension L*W*H mm	Net Weight kg
Model	Part number	Model	Part number							
SPBZ-640S	1006-4344	**SPBZ-640S-20**	1006-4376	18	0	15	380/3/50	DN65	1,750×1,340×2,598	1,970
SPBZ-760S	1006-4346	**SPBZ-760S-20**	1006-4378	22	0	15	380/3/50	DN65	1,750×1,340×2,598	2,090
SPBZ-885S	1006-4348	**SPBZ-885S-20**	1006-4380	25	0	15	380/3/50	DN65	1,750×1,340×2,598	2,165
SPBZ-1100S	1006-4350	**SPBZ-1100S-20**	1006-4382	33	0	21	380/3/50	DN80	1,952×1,536×2,585	2,680
SPBZ-1600S	1006-4352	**SPBZ-1600S-20**	1006-4384	44	0	30	380/3/50	DN100	2,310×1,879×2,717	3,600
SPBZ-1800S	1006-4354	**SPBZ-1800S-20**	1006-4386	50	0	30	380/3/50	DN100	2,310×1,879×2,717	3,750
SPBZ-2100S	1006-4357	**SPBZ-2100S-20**	1006-4388	60	0	45	380/3/50	DN100	2,511×1,961×2,717	4,285
SPBZ-2500S	1006-4359	**SPBZ-2500S-20**	1006-4390	70	0	60	380/3/50	DN125	3,932×2,107×2,818	5,600
SPBZ-2800S	1006-4364	**SPBZ-2800S-20**	1006-4392	80	0	60	380/3/50	DN125	3,932×2,107×2,818	5,900
SPBZ-3180S	1006-4366	**SPBZ-3180S-20**	1006-4394	90	0	68	380/3/50	DN150	4,302×2,325×2,974	6,600
SPBZ-3500S	1006-4368	**SPBZ-3500S-20**	1006-4396	100	0	68	380/3/50	DN150	4,302×2,325×2,974	7,750
SPBZ-4200S	1006-4370	**SPBZ-4200S-20**	1006-4398	120	0	85	380/3/50	DN150	4,406×2,347×2,974	8,740
SPBZ-5300S	1006-4372	**SPBZ-5300S-20**	1006-4400	150	0	108	380/3/50	DN200	5,273×2,757×2,909	10,540
SPBZ-7060S	1006-4374	**SPBZ-7060S-20**	1006-4402	200	0	135	380/3/50	DN200	5,596×2,822×3,409	13,500

SHDZ-S Heat Of Compression Zero Loss Desiccant dryer

Product feature

- Use Siemens PLC+7" touch screen to control.
- High efficiency and energy saving, no need to consume finished dry air.
- High reliability, reliable valve control.
- A variety of energy saving control systems LDCS load control system and DPOS dew point control system (optional).
- Designed for constant -20°C, -40°C pressure dew point.
- Add additional heating device with heater auxiliary device.
- Dew point meter (optional).



Standard operating condition

The inlet temperature is 160-200°C, the ambient temperature is 38°C, the inlet pressure is 7 bar, and maximum working pressure is 10 bar.

Correction factor

Pressure correction factor					
5 bar	6 bar	7 bar	8 bar	9 bar	10 bar
0.75	0.87	1.00	1.13	1.25	1.38

Inlet temperature correction factor			
25°C	30°C	32°C	35°C
1.48	1.12	1.00	0.85

Product information and technical parameters

SHDZ-S Heat Of Compression Zero Loss Desiccant dryer										
Pressure dew point -40°C		Pressure dew point -20°C		Flow at Standard Condition m^3/min	Regenerated compressed air m^3/min	Heating power kW	Power V/PH/HZ	Connection Diameter	Dimension L*W*H mm	Net Weight kg
Model	Part number	Model	Part number							
SHDZ-530S	1006-4404	**SHDZ-530S-20**	1006-4426	15	0	6KW	380/3/50	DN50	2,402×1,118×2,389	1,800
SHDZ-700S	1006-4406	**SHDZ-700S-20**	1006-4428	20	0	8KW	380/3/50	DN65	2,454×1,253×2,598	2,375
SHDZ-760S	1006-4408	**SHDZ-760S-20**	1006-4430	22	0	10KW	380/3/50	DN65	2,454×1,253×2,598	2,425
SHDZ-890S	1006-4410	**SHDZ-890S-20**	1006-4432	25	0	10KW	380/3/50	DN65	2,454×1,253×2,598	2,500
SHDZ-1200S	1006-4412	**SHDZ-1200S-20**	1006-4434	35	0	15KW	380/3/50	DN80	2,932×1,378×2,605	2,950
SHDZ-1600S	1006-4414	**SHDZ-1600S-20**	1006-4436	45	0	18KW	380/3/50	DN100	3,048×1,525×2,717	3,450
SHDZ-1800S	1006-4416	**SHDZ-1800S-20**	1006-4438	50	0	21KW	380/3/50	DN100	3,048×1,525×2,717	3,600
SHDZ-2100S	1006-4418	**SHDZ-2100S-20**	1006-4440	60	0	25KW	380/3/50	DN100	3,048×1,568×2,717	4,000
SHDZ-2500S	1006-4420	**SHDZ-2500S-20**	1006-4442	70	0	45KW	380/3/50	DN125	3,759×1,878×2,813	4,250
SHDZ-2800S	1006-4422	**SHDZ-2800S-20**	1006-4444	80	0	45KW	380/3/50	DN125	3,759×1,878×2,813	5,200
SHDZ-3200S	1006-4424	**SHDZ-3200S-20**	1006-4446	90	0	60KW	380/3/50	DN150	4,281×2,063×2,975	6,900

SG Precision Filter

Product feature

- Maximum working pressure 16 barg.
- Special anti-leakage on-line detection technology is adopted to ensure the filtration accuracy of the filter element.
- The inner cavity of the filter shell is anodized, and the outer surface is sprayed with epoxy resin dry powder, which is more corrosion resistant.
- Borosilicate nano-glass fiber, greater ash melting amount, longer life.
- Lower pressure drop, higher filtration accuracy.



Standard operating condition

The inlet temperature is 38°C, the ambient temperature is 38°C, and the inlet pressure is 7 bar.

Correction factor

Pressure correction factor										
3 bar	4 bar	5 bar	6 bar	7 bar	8 bar	9 bar	10 bar	11 bar	12 bar	13 bar
0.65	0.76	0.86	0.93	1	1.07	1.13	1.19	1.25	1.31	1.36

Product information and technical parameters

SG Precision Filter				
Model	Flow at Standard Condition m^3/min	Connection Diameter	Dimension L*W*H mm	Net Weight kg
SGF/SGH/SGC-35	1	Rc1/2"	89×89×198	1.1
SGF/SGH/SGC-70	1.8	Rc1/2"	89×89×233	1.5
SGF/SGH/SGC-130	3.6	Rc3/4"	120×120×307	2.5
SGF/SGH/SGC-160	4.8	Rc1"	120×120×406	3.2
SGF/SGH/SGC-280	8.7	Rc1 1/2"	120×120×406	3.2
SGF/SGH/SGC-530	13.2	Rc2"	162×162×710	6.6
SGF/SGH/SGC-745	20	Rc2"	162×162×986	10.9
SGF/SGH/SGC-885	25.8	Rc3"	200×200×757	12.9
SGF/SGH/SGC-1400	40	DN80	380×380×1,237	65
SGF/SGH/SGC-1700	50	DN100	495×495×1,359	115
SGF/SGH/SGC-2200	60	DN100	495×495×1,359	115
SGF/SGH/SGC-2650	70	DN125	615×615×1,425	145
SGF/SGH/SGC-3100	80	DN125	615×615×1,425	150
SGF/SGH/SGC-4200	120	DN150	617×617×1,444	195

Filtration Class	SGF Used to remove larger volumes of solid particles, water and aerosol	SGH For the removal of finer particles, water and aerosols	SGC Used to remove oil vapors and odors
Particle gap clearance class	1 μm	0.01 μm	N/A
Oil content class@21°C	0.5 ppm	0.01 ppm	0.003 ppm