

GSA Auxiliary Equipment

**After Cooler/Separator/Air receiver/Condensate discharge device/
Auxiliary equipment for compressed air treatment**
Auxiliary Equipment for Compressed Air Treatment

Global Standard Air & Gas



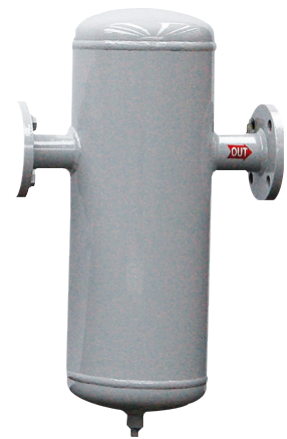
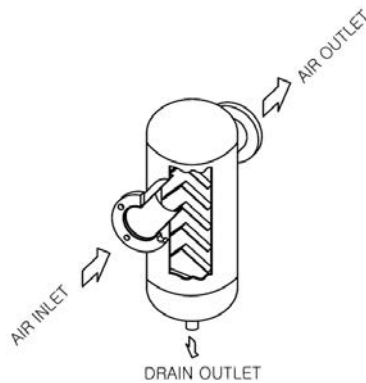
Water Separator

Function of water separator

The water separator is installed at the downstream of a water-cooled cooler or after an air compressor and is used to efficiently separate condensate from compressed air in a saturated water vapor state.

Features of water separator

- Two types of separators are available
 - Centrifugal separator
 - Collision separation type separator
- Low pressure loss
- No need for regular maintenance as there is no electricity or other accessories.
- Stainless steel/carbon steel type available



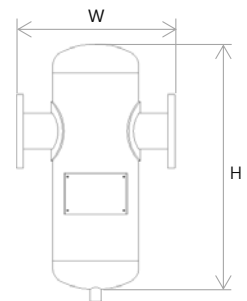
Technical specifications (Collision separation)

Design Conditions

- Inlet Pressure : 9.7 barg
- Design Temperature : 100°C

References

- Models under ASME in addition to KS are also customizable.
- High-pressure models with high design pressure are also customizable.
- Large models bigger than those stated in the specifications above are also customizable.
- The specifications are subject to changes without notice for product improvement.



Model		Capacity	Connection	O.D.	Height (H)	Weight
		m ³ /min	A	mm	mm	kg
H Y S	50(S)	9	50A	350	480	18
	100(S)	18	65A	400	620	30
	150(S)	24	80A	400	620	35
	200(S)	30	80A	460	720	45
	300(S)	47	100A	460	720	48
	400(S)	56	100A	460	750	50
	500(S)	66	125A	520	800	70
	600(S)	90	150A	650	950	110
	750(S)	120	200A	700	1000	130

Condensate discharge device

Condensate discharge device(Drain)

A Condensate discharge device is essential apparatus designed to prevent system failure, extend the life of the equipment and prevent a product defect by periodically discharging condensate which is produced during dehumidification of compressed air.

HAD-30



TECHNICAL DATA	
Operating Temp	2~60°C
Operating Press	0.5~16barg
Type	Ball
Inlet Connection	PT 15A
Outlet Connection	PT 6A
Dimension(D x H, mm)	81Φ x 132
Weight	0.5 kg

HAD-100



TECHNICAL DATA	
Operating Temp	2~60°C
Operating Press	0.5~16barg
Type	Disk
Inlet Connection	PT 15A
Outlet Connection	PT 15A
Dimension(D x H, mm)	86Φ x 175
Weight	0.8 kg

EDV-15T / 40T



TECHNICAL DATA	
Operating Temp	2~60°C
Operating Press	0~15barg
Type	Elec. Timer
Inlet Connection	PT 15A
Outlet Connection	PT 15A
Dimension(D x L x H, mm)	95 x 90 x 102
Weight	0.6 kg

DM Series



TECHNICAL DATA	
Operating Temp	2~80°C
Operating Press	0.8~16barg
Type	Level Sensing
Inlet Connection	PT 15A
Outlet Connection	PT 10A
Dimension(D x L x H, mm)	165 x 80 x 155
Weight	1.3 kg

Differential Pressure Gauge

Indicate differential pressure by detecting pressure at the inlet and outlet of the filter and allows a user to check when a filter element should be replaced.

HDI30



TECHNICAL DATA	
Operating Temp	2 ~ 60 °C
Operating Press	Max. 16 barg
Green Area	0 ~ 0.6 bar
Red Area	0.6 ~ 0.9 bar
Mounting Bolt	M5
Dimension(D x L x H , mm)	40 x 40 x 35
Weight	0.03 kg

Desiccant

A desiccant used includes carbon molecular sieve (CMS) and zeolite molecular sieve (ZMS) for nitrogen and oxygen production, including activated alumina needed to dehumidify compressed air.

Activated Alumina



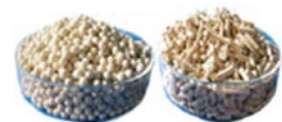
PACKING	
Desiccant Size [mm]	4 ~ 6
Small Packing	20 kg
Large Packing	1000 kg

Carbon Molecular Sieve



PACKING	
Desiccant Size [mm]	Pellet
Small Packing	40 kg
Large Packing	137 kg

Zeolite Molecular Sieve



PACKING	
Desiccant Size [mm]	3A/4A/5A/13X
Small Packing	40 kg
Large Packing	120 kg

