

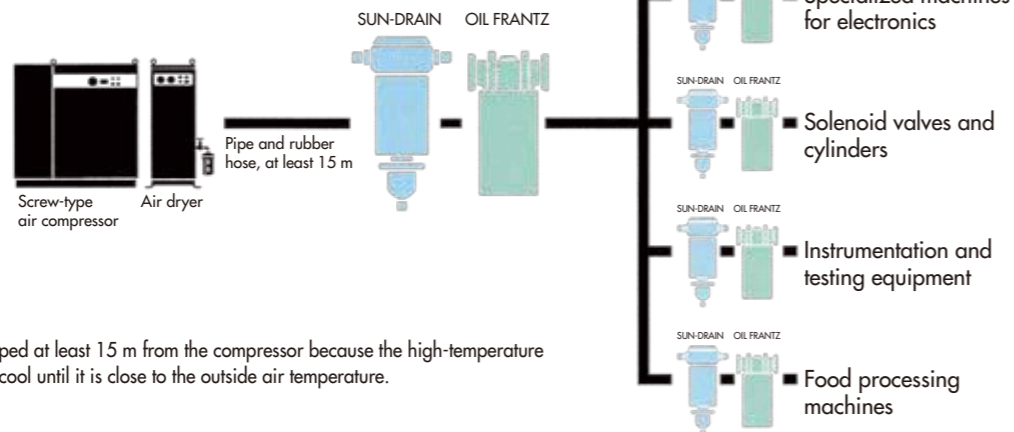
USE SUN-DRAIN PLUS OIL FRANTZ

FOR A MORE PERFECT RESULT!

Sun-Drain and Oil Frantz can be used separately, but are even more effective combined.

APPLICATIONS

- Industrial pneumatic devices
- Spray coating devices
- Pneumatic devices for instrumentation and measurement
- Electronic devices
- Pneumatic devices for food processing
- Pneumatic tools, etc.



Sun-Drain needs to be piped at least 15 m from the compressor because the high-temperature compressed air needs to cool until it is close to the outside air temperature.

QUALITY ASSURANCE!

For air blowers (air guns), use ECO SUN-DRAIN® and OIL FRANTZ® together. They remove almost all moisture and oil: 99.9%.



Y303-W+F303



Y301-W+F301

Sun-Drain & Oil Frantz

SUN-DRAIN 《W type》 & OIL FRANTZ

《Rotary receiving type water separator/rolled filter type oil separator》



Y301-W+F301

Keep pneumatic devices in good working condition!



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Sold by:



Removes almost all—at least **99.5%** of the moisture and **99.9%** of the oil mist from compressed air

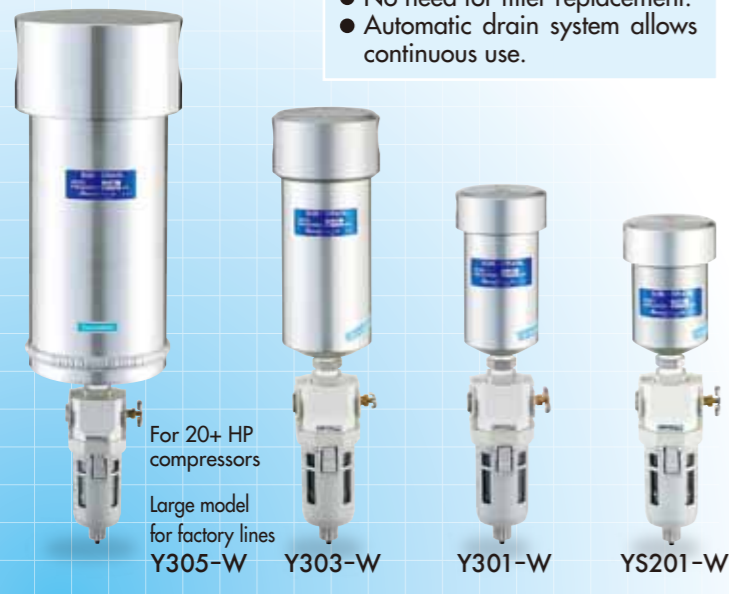
Ecomaterial

SUN-DRAIN 《W type》

Rotary receiving type water separator

FEATURES:

- Removes at least 99.5% of the moisture from compressed air.
- No need for filter replacement.
- Automatic drain system allows continuous use.



■ SUN-DRAIN

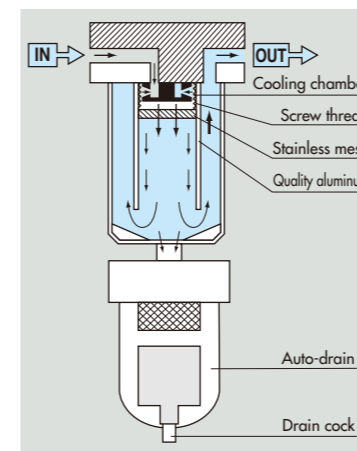
Compressed air from compressors can cause pneumatic equipment to fail due to moisture and impurities in the piping. Sun-Drain takes care of these problems by removing the moisture before it reaches the pneumatic equipment. In the winter, it also prevents freezing of air pipes, solenoid valves, and cylinders. Inside is a specially constructed stainless steel mesh filter that does not need to be replaced. It uses no CFCs, which are currently an issue with the depletion of the ozone layer and no electric power directly, and so is future-proof. Furthermore, since the drain works automatically, it can be used continuously for long periods of time, saving costs and trouble.

MAINTENANCE-FREE

Unlike conventional water absorption filters, the stainless steel mesh used eliminates the need for filter replacement. Just wash it with kerosene or thinner every half-year!

■ Structure of Sun-Drain

- 1 When moist compressed air passes through the cooling chamber, it is cooled by a special structure and separated into water and air.
- 2 The separated water is collected by the stainless steel mesh and sent to the auto-drain. Clean air free from moisture is output to the equipment.
- 3 The water in the auto drain is evacuated automatically. It can also be evacuated manually by turning the drain cock at the bottom end.



■ MAIN SPECIFICATIONS

Choose the best type for the pneumatic equipment used.

Model	Pressure range [MPa (kgf/cm ²)]	Fitting RC/PT	Flow rate [ℓ/min (ntp)]	OD x length [mm]	Weight [kg]	Pressure res. [MPa (kgf/cm ²)]	Temp. range for use [°C]	Drainage method
YS201-W	0.1 to 1.0 (1.0 to 10.2)	1/4	500	90x330	1.3	1.5 (15.3)	5 to 65	automatic (and manual)
		3/8	800					
(For low flow) Y301-W	0.1 to 1.0 (1.0 to 10.2)	1/4	300	90x360	1.4	1.5 (15.3)	5 to 65	automatic (and manual)
Y301-W	0.1 to 1.0 (1.0 to 10.2)	3/8	1,300					
		1/2	2,000					
Y303-W	0.1 to 1.0 (1.0 to 10.2)	3/4	3,000	106x450	2.6	1.5 (15.3)	5 to 65	automatic (and manual)
		1	5,000					
Y305-W	0.1 to 1.47 (1.0 to 15)	1 1/2	14,000	178x590	10.0	1.5 (15.3)	5 to 65	automatic (and manual)
		2	18,000					

Flow rate at 0.686 MPa (7 kgf/cm²)

Product appearance and specifications are subject to change for improvement without notice. Atmospheric pressure equivalencies are given assuming inlet air pressure 0.68 MPa and pressure drop 0.01 MPa.

- For 3D measurement and inspection machines, use together the low-flow Y301-W and F301.
- For electronic, semiconductor, and food processing machines, painting devices, abrasive blasting equipment, and the like, use together Y301-W and F301 / Y303-W and F303.
- For miniature presses and bender machines, use YS201-W.

OIL FRANTZ

Rolled filter type oil separator

FEATURES:

- Removes oil and impurities completely down to the micron level.
- High-performance rolled filter for high collection efficiency.



■ OIL FRANTZ

The compressed air in a pneumatic system can contain not only water, but also impurities such as particles, oxidized oil, and carbon. Oil Frantz uses the high collection efficiency of its rolled filter to remove fine oil mist (tar, carbon, oxidized oil) reliably down to the micron level. Its cleaning efficacy is superior. Used together, Sun-Drain and Oil Frantz can remove almost all moisture and oil mist from compressed air.

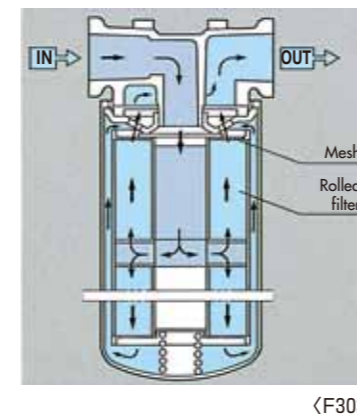
■ Rolled Filter

The rolled filter removes oil mist from compressed air down to units of 0.03 microns and smaller. It is also highly durable.



■ Structure of Oil Frantz

- 1 As compressed air enters, it is sent into the rolled filter set inside.
- 2 Oil mist is separated by adsorptive filtration of the rolled filter element, and clean air is sent to the equipment.



■ MAIN SPECIFICATIONS

Model	Pressure range [MPa (kgf/cm ²)]	Fitting RC/PT	Flow rate [ℓ/min (ntp)]	Filtration rating [μm]	Oil mist removal efficiency [%]	OD x length [mm]	Weight [kg]	Replacement of rolled filter
F301	0.1 to 1.0 (1.0 to 10.2)	1/4	1,000	0.03	99.9	116x182	1.7	Every 6 months or press. loss of 0.0981 MPa (1 kgf/cm ²)
		3/8 1/2	1,500	0.03	99.9	116x182	1.7	Every 6 months or press. loss of 0.0981 MPa (1 kgf/cm ²)
F303	0.1 to 1.0 (1.0 to 10.2)	1 1/4	6,000	0.03	99.9	150x320	3.0	Every 6 months or press. loss of 0.0981 MPa (1 kgf/cm ²)

Flow rate at 0.686 MPa (7 kgf/cm²)

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