

Parker Product Datasheet



Effective removal of water vapour (to +3°C pdp) from compressed air at low operating costs. Dual frequency ready, with volume flows up to 600m³/h (50Hz) or 689m³/hr (60Hz) @ 7 barg.

PART NUMBER: SPS100-A2301DF14TIS
FLOW RATE: 600 m³/h @ 7 barg (353 cfm @ 102 psig) 50 Hz
DRAIN OPTION: Timed Solenoid

PRODUCT OVERVIEW

Parker StarlettePlus-E Series refrigerated dryers (SPS) are the perfect solution for the efficient removal of water vapour from compressed air. StarlettePlus-E combines quality and efficiency in a reliable design, providing the least impact on the environment and operating costs.

Thanks to the highly efficient heat exchanger (E-Pack) design, the refrigerant circuit absorbs less power and requires less refrigerant than other comparative dryers, making StarlettePlus-E the refrigerant dryer in the market with the lowest running costs and the most environmentally friendly.

StarlettePlus-E is also available with the additional 'Energy Save' feature, on models from SPS026. When equipped with the Energy Save feature, the SPS models will save additional energy at partial load by cycling the dryer's compressor activity and using the cold reserve stored in the E-Pack mass to cool the inlet air.

Features:

- For industrial and general air applications requiring a pressure dew point (pdp) no lower than +3°C

- In compliance with the F-Gas regulation, low GWP environmentally friendly refrigerant R513A on all units.
- High efficiency all-in-one aluminium heat exchanger (E-Pack)
- All models are equipped as standard with a digital controller that provides an indication of compressed air temperature, volt free alarm contact, service reminder and integral timed drain control
- Optional Energy Saving model versions (models SPS026 - SPS100) enables the dryer to save additional energy at partial load by cycling the refrigerant compressor while cooling the inlet air using the cold reserve stored in the E-Pack mass
- Wall mountable (models up to SPS018)

Benefits:

- Lowest carbon footprint on the market
- Lowest running costs and lowest absorbed power
- Low refrigerant volume (avg. 25% lower than comparative ranges)

For more information or a detailed discussion about your specific requirements please contact Parker or an authorised Parker distributor

TECH SPECIFICATIONS

DIVISION	Gas Separation and Filtration Division EMEA
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FLOW RATE	689.0 m3/hour at 7 barg, 60Hz (406 cfm at 102 psig, 60Hz)
INDUSTRY	Industrial Manufacturing Equipment
SPECIFICATIONS MET	PED 2014/68/EU Fluid Group II
CONNECTION TYPE	BSPP
APPLICATION	Compressed Air Applications

BRAND	Parker
TECHNOLOGY	Filtration
PRODUCT STYLE	Refrigeration
PRODUCT SERIES	StarlettePlus-E
PRODUCT TYPE	Compressed Air Dryer
WEIGHT	176 lb
WEIGHT	80 kg
WIDTH	17.7 inch
WIDTH	450.0 mm
OPERATING PRESSURE	29 to 203 psig
OPERATING PRESSURE	2 to 14 barg
HEIGHT	33.1 inch
HEIGHT	840.0 mm
NOISE LEVEL	< 75 dBA
OPERATING TEMPERATURE	41 to 122 °F
OPERATING TEMPERATURE	5 to 50 °C
PORT SIZE	1-1/2 inch
POWER CONSUMPTION	0.74 kW (50Hz)
POWER CONSUMPTION	0.91 kW (60Hz)
DEPTH	30.7 inch
DEPTH	780.0 mm
ELECTRICAL REQUIREMENTS	230V 1ph 50Hz/60Hz
INGRESS PROTECTION RATING	IP22 Indoor Use Only
REFRIGERANT TYPE	R513A (Low GWP Refrigerant)
AMBIENT TEMPERATURE	122.0 °F Maximum
AMBIENT TEMPERATURE	50.0 °C Maximum
PRESSURE DEW POINT	Standard: 3°C (37°F)

PRESSURE DEW POINT

Options: 7°C (45°F) or 10°C (50°F)