Starlette Plus

The small range of refrigeration dryers

The application of high-quality air ensures continuity and reliability of industrial applications, the highest quality standards for finished products and the optimisation of production costs.
Parker Hiross offers a range of refrigerated air drying solutions using advanced refrigeration technology.
Starlette Plus is Parker Hiross' answer to the specific needs of the industrial user.
Starlette Plus safeguards continuous performance and superior efficiency in every industrial compressed air application. It can easily be adapted to suit all working conditions, maintaining reliable dewpoint control and the lowest possible pressure drops and operating costs.
With its state-of-the-art PlusPack heat exchangers (patent pending) and the most compact dimensions of any system in its class, Starlette Plus is the superior choice for any compressed air treatment application.

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Product Features:

- Extremely compact
- Low operating costs
- Environmentally friendly
- High operating limits

Philosophy

Parker Hiross specialises in cooling, purification, and separation technologies, where compressed air and gas purity, product quality, technological excellence and global support are paramount.
We design and manufacture compressed air treatment products and cooling equipment for many key industries where ease of integration, low cost of ownership and energy saving can make the difference.
Parker Hiross has been supplying industry with high efficiency products with low lifetime costs and reduced CO_2 emissions since 1964.
Our philosophy 'to stand out from the crowd' is our credo, encouraging our employees to achive continuous improvement and satisfy customer expectations.

Parker Hiross

ENGINEERING YOUR SUCCESS.

PlusPack 3-in-1 heat exchangers (patent pending), in solid aluminium with air-to-air freecooler exchanger, evaporator and 'slow flow' demister separator and integrated air connections.

Features:

- Reliable air-tight piston compressors which do not require preheating.
- Simple and secure refrigeration circuits which do not require adjustment during operation and undergo vigorous quality testing in production.
- Large adjustable condenser and fan compartments to guarantee optimum performance even in extreme conditions.
- Security protection in the refrigeration circuit, increasing reliability and safeguarding the air dryer.
- Simple disassembly, with easy access to the internal components for efficient maintenance.
- Drain positioned in a niche, allowing easy access without the need to remove the top panel.

Technical data

Model	technical data				dimensions (mm)			weight	Pre filter	Post filter
	air flow		abs. power	air	width	height	depth			
	m^3/h	m^3/min	kW	connec.	A	B	C	(kg)		
SPL002	12	0,2	0,12	1/2"	450	430	210	19	HFN005Q	HFN005P
SPL004	24	0,4	0,13	1/2"	450	430	210	19	HFN005Q	HFN005P
SPL006	36	0,6	0,17	1/2"	450	430	210	19	HFN010Q	HFN010P
SPL009	54	0,9	0,25	1/2"	500	505	210	23,5	HFN010Q	HFN010P
SPL012	72	1,2	0,25	1/2"	500	505	210	23,5	HFN018Q	HFN018P
SPL018	108	1,8	0,49	3/4"	520	565	225	26,5	HFN022Q	HFN022P
SPL024	144	2,4	0,57	3/4"	520	565	225	31	HFN030Q	HFN030P
SPL030	180	3,0	0,78	3/4"	520	565	225	35	HFN030Q	HFN030P
SPL040	240	4,0	0,71	1 ½”	555	600	425	52	HFN045Q	HFN045P
SPL050	300	5,0	0,85	1 ½”	555	600	425	58	HFN062Q	HFN062P
SPL060	360	6,0	1,05	1 ½”	555	600	425	60	HFN062Q	HFN062P

Performances refer to air at FAD 20°C / 1 bar A, and at the following working conditions: air suction 25°C / 60%RH, 7 barg working pressure, pressure dew point in accordance with class 6 of DIN ISO8573-1, 25°C cooling air temperature, 35°C compressed air inlet temperature. All indicated data refers toDIN ISO 7183. All models supplied with refrigerant R134a and for operation up to 16 barg. Starlette Plus can operate up to ambient temperatures of 50°C and inlet temperatures of 65°C.

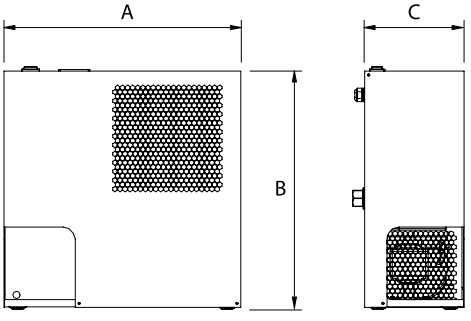
Air flow correction factors for differing working conditions

A) Working pressure correction factors	barg	3	4	5	6	7	8	9	10	11	12	13	14	15	16
		0,73	**0,83**	**0,9**	**0,95**	**1**	**1,03**	**1,07**	**1,09**	**1,12**	**1,13**	**1,15**	**1,17**	**1,18**	**1,19**

B) Ambient temperature correction factors	°C	20	25	30	35	40	45	50
		1,05	**1**	**0,94**	**0,88**	**0,81**	**0,75**	**0,68**

C) Air inlet temperature correction factors	°C	30	35	40	45	50	55	60	65
		1,22	**1**	**0,83**	**0,69**	**0,58**	**0,49**	**0,46**	**0,43**

To obtain the actual air flow multiply the nominal air flow by the above correction factors (ie. Air flow x A x B x C).
For a precise selection always refer to the software selection program or contact your Parker Hiross partner.



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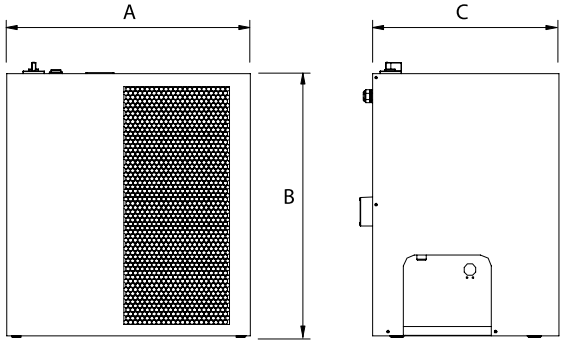

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