

Starlette Plus

The small range of refrigeration dryers



Short Discription

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.



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 CO₂ emissions since 1964. Our philosophy 'to stand out from the crowd' is our credo, encouraging our employees to achieve continuous improvement and satisfy customer expectations.





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

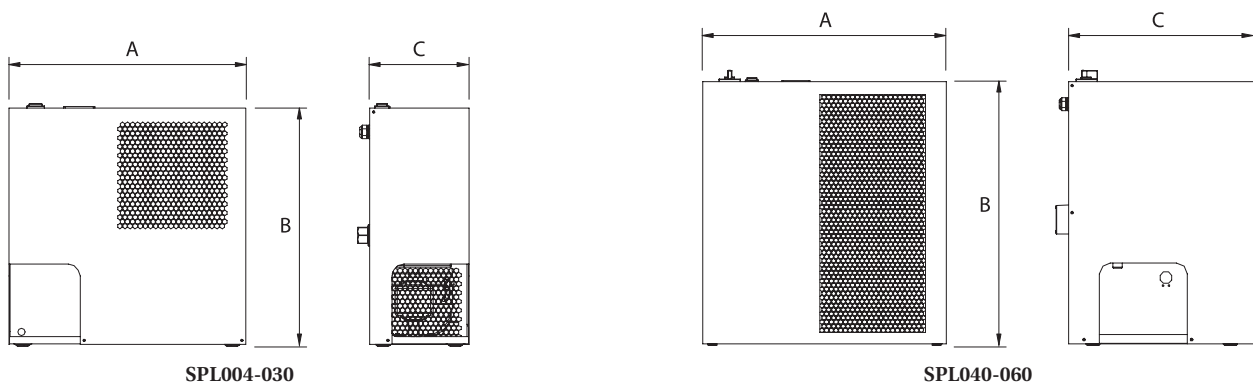
Model	technical data				dimensions (mm)			weight (kg)	Pre filter	Post filter
	air flow		abs. power	air	width	height	depth			
	m ³ /h	m ³ /min	kW	conec.	A	B	C			
SPL004	24	0,4	0,13	1/2"	450	430	210	19	HFN005Q	HFN005P
SPL006	36	0,6	0,17	1/2"	450	430	210	19	HFN010Q	HFN010P
SPL009	54	0,9	0,25	1/2"	500	505	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 1/2"	555	600	425	52	HFN045Q	HFN045P
SPL050	300	5,0	0,85	1 1/2"	555	600	425	58	HFN062Q	HFN062P
SPL060	360	6,0	1,05	1 1/2"	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 DIN ISO8573-1, 25°C cooling air temperature, 35°C compressed air inlet temperature. All indicated data refers to DIN 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.



Parker Worldwide

Europe, Middle East, Africa

AE – United Arab Emirates,
Dubai

Tel: +971 4 8127100
parker.me@parker.com

AT – Austria, Wiener Neustadt

Tel: +43 (0)2622 23501-0
parker.austria@parker.com

AT – Eastern Europe, Wiener
Neustadt

Tel: +43 (0)2622 23501 900
parker.easteurope@parker.com

AZ – Azerbaijan, Baku

Tel: +994 50 2233 458
parker.azerbaijan@parker.com

BE/LU – Belgium, Nivelles

Tel: +32 (0)67 280 900
parker.belgium@parker.com

BY – Belarus, Minsk

Tel: +375 17 209 9399
parker.belarus@parker.com

CH – Switzerland, Etoy

Tel: +41 (0)21 821 87 00
parker.switzerland@parker.com

CZ – Czech Republic, Klecany

Tel: +420 284 083 111
parker.czechrepublic@parker.com

DE – Germany, Kaarst

Tel: +49 (0)2131 4016 0
parker.germany@parker.com

DK – Denmark, Ballerup

Tel: +45 43 56 04 00
parker.denmark@parker.com

ES – Spain, Madrid

Tel: +34 902 330 001
parker.spain@parker.com

FI – Finland, Vantaa

Tel: +358 (0)20 753 2500
parker.finland@parker.com

FR – France, Contamine s/Arve

Tel: +33 (0)4 50 25 80 25
parker.france@parker.com

GR – Greece, Athens

Tel: +30 210 933 6450
parker.greece@parker.com

HU – Hungary, Budapest

Tel: +36 1 220 4155
parker.hungary@parker.com

IE – Ireland, Dublin

Tel: +353 (0)1 466 6370
parker.ireland@parker.com

IT – Italy, Corsico (MI)

Tel: +39 02 45 19 21
parker.italy@parker.com

KZ – Kazakhstan, Almaty

Tel: +7 7272 505 800
parker.easteurope@parker.com

NL – The Netherlands, Oldenzaal

Tel: +31 (0)541 585 000
parker.nl@parker.com

NO – Norway, Asker

Tel: +47 66 75 34 00
parker.norway@parker.com

PL – Poland, Warsaw

Tel: +48 (0)22 573 24 00
parker.poland@parker.com

PT – Portugal, Leca da Palmeira

Tel: +351 22 999 7360
parker.portugal@parker.com

RO – Romania, Bucharest

Tel: +40 21 252 1382
parker.romania@parker.com

RU – Russia, Moscow

Tel: +7 495 645-2156
parker.russia@parker.com

SE – Sweden, Spånga

Tel: +46 (0)8 59 79 50 00
parker.sweden@parker.com

SK – Slovakia, Banská Bystrica

Tel: +421 484 162 252
parker.slovakia@parker.com

SL – Slovenia, Novo Mesto

Tel: +386 7 337 6650
parker.slovenia@parker.com

TR – Turkey, Istanbul

Tel: +90 216 4997081
parker.turkey@parker.com

UA – Ukraine, Kiev

Tel: +380 44 494 2731
parker.ukraine@parker.com

UK – United Kingdom, Warwick

Tel: +44 (0)1926 317 878
parker.uk@parker.com

ZA – South Africa, Kempton Park

Tel: +27 (0)11 961 0700
parker.southafrica@parker.com

North America

CA – Canada, Milton, Ontario

Tel: +1 905 693 3000

US – USA, Cleveland

Tel: +1 216 896 3000

Asia Pacific

AU – Australia, Castle Hill

Tel: +61 (0)2-9634 7777

CN – China, Shanghai

Tel: +86 21 2899 5000

HK – Hong Kong

Tel: +852 2428 8008

IN – India, Mumbai

Tel: +91 22 6513 7081-85

JP – Japan, Tokyo

Tel: +81 (0)3 6408 3901

KR – South Korea, Seoul

Tel: +82 2 559 0400

MY – Malaysia, Shah Alam

Tel: +60 3 7849 0800

NZ – New Zealand, Mt Wellington

Tel: +64 9 574 1744

SG – Singapore

Tel: +65 6887 6300

TH – Thailand, Bangkok

Tel: +662 186 7000-99

TW – Taiwan, Taipei

Tel: +886 2 2298 8987

South America

AR – Argentina, Buenos Aires

Tel: +54 3327 44 4129

BR – Brazil, Sao Jose dos Campos

Tel: +55 800 727 5374

CL – Chile, Santiago

Tel: +56 2 623 1216

MX – Mexico, Apodaca

Tel: +52 81 8156 6000