

SUPRA Cannabis System S Series

SUPRA Filtration For Cannabis Oil Filtration

SUPRA Cannabis System S Series are simple, plug and play skids designed to revolutionize depth filtration applications in the cannabis industry. The units incorporate SUPRAPak™ S filter modules and cartridge filters, Claris® and Nexis® T filters, providing a cost-effective alternative to classical sheet filtration and lab scale filtration.

Description

SUPRA Cannabis System S Series filtration units provide a closed system approach to high capacity depth filtration, maximizing product protection and minimizing product losses. Lower cost of ownership is achieved due to higher throughput, yield improvement, and reduced handling, cleaning, maintenance and downtime costs, when compared to sheet filtration.

SUPRA Cannabis System S Series technology is ideal for use in small volume cannabis oil applications, utilizing SUPRAPak S and (use code 7 cartridge, single round) housings. All components and critical measurement devices are assembled on a mobile, easy to install and operate skid (or something like that).

SUPRA Cannabis System S Series units hold one SUPRAPak S modules, representing up to approximately 0.4 m² (4.3 ft²) of filtration area in a very compact and low hold-up volume design.



SUPRA Cannabis System S Series

Features

- Closed filtration system
- Compact design with high filtration area
- Drainable, low hold-up volume assembly
- High quality internal surface finish, sanitary and crevice-free design
- Simple, quick installation and servicing
- Filter module lifting device available on request
- European ATEX Directive, Group 2, Category III documentation (Zones 1/21 and 2/22)

Benefits

- Increased process safety and product quality; minimized product losses, product contamination risk and personnel exposure to process fluids
- Extremely high throughput at low investment cost
- Higher product yield; minimized cleaning costs
- Enhanced cleanability
- Reduced labor, maintenance and downtime costs
- Eases filter installation and removal
- Suitable for use in potentially explosive environments

Specifications

Minimum/Maximum Design Pressure ^{1,2}		Liquids: -1 to 6 barg (-14.5 to 87 psig)
Minimum/Maximum Operating Temperature ¹		-40 to 130 °C (-40 to 266 °F)
Materials of Construction		Wetted parts 1.4404 (AISI 316L stainless steel)
Sealing Materials ³		Silicon elastomer
Internal Surface Finish		≤ 0.8 micrometers Ra (≤ 32 Ra microinches), electropolished
Internal Welds		Dressed and blended to provide uniform ripple- and crevice-free surface to ≤ 0.8 micrometers Ra (≤ 32 Ra microinches), electropolished
Connections	Inlet/Outlet	1 inch ISO 2852 clamp coupling
	Filtrate Vent	DN6 (8 mm / 0.31 inch OD) hose tail
Filter Module Compatibility ⁴		SUPRApak S series modules Code 7 Pall Cartridges

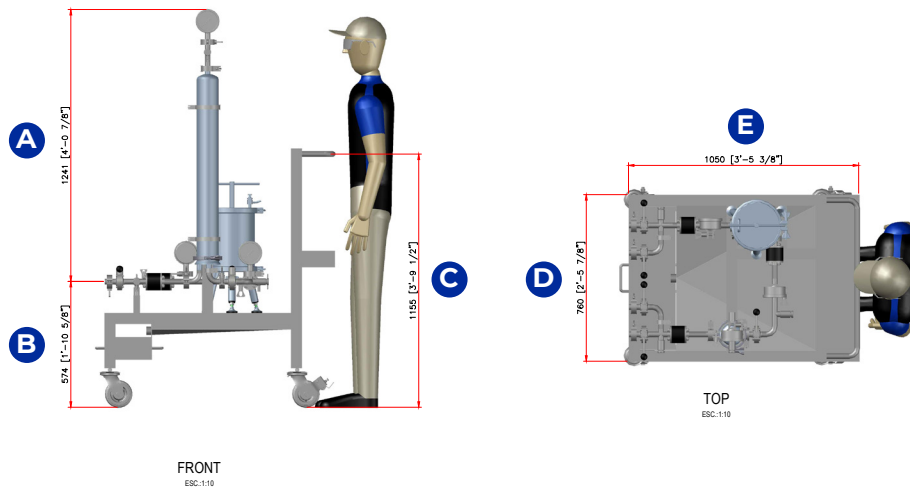
¹ Maximum design pressure and temperature ratings are vessel ratings only. Safe operation will also depend on filter module and housing gasket use. Silicone assembly seals restrict continuous operating temperature to -40 to 130 °C (266 °F). For details on module temperature limitations, please refer to SUPRApak module literature and Pall code 7 ca.

² Design satisfies EC Pressure Equipment Directive (PED Assessment) (Fluid Group 2, Category III, Module H). Pressure rating is suitable for non-hazardous liquids or gases. The PED category and fluid group classification indicates suitability of housing use on distilled spirits less than 70% by weight absolute alcohol. For such applications, the maximum allowable temperature must be below the flash point. For 70% by weight absolute alcohol the flashpoint is 21 °C (69.8 °F).

³ Please contact Pall to ensure the products meet specific National Legislation and/or Regional Regulatory requirements for food contact use.

⁴ Refer to Pall Food and Beverage SUPRApak module literature for additional guidelines on use.

Technical Information



Nominal Dimensions in mm (inches)— For specific dimensions, Please contact Pall.⁵

Name	PN	A	B	C	D	E
SUPRA Cannabis System S	SCSKD13SPS	1241 (48.875)	574 (22.625)	1155 (45.5)	760 (29.875)	1050 (41.375)

⁵ Pall Corporation reserves the right to make dimensional modifications at any time, maintaining the same fit, form, and function. Please request a general arrangement drawing if exact dimensions are required.

Volume and Weight

	S Series	Code 71 Round 30"	SUPRApak S
Volume L (US gal)	—	6.3 (1.7)	8 (2.1)
Weight kg (lb)	200 (440.9)	6 (13.20)	20 (44)

Standard Documentation

- Certificate of Conformity to Quality Standards
- Final Inspection Certificate
- Installation/Operating Manual (IOM)

Ordering Information

Part Number: SCSKD13SPS

This is a guide to the part numbering structure and possible options only. For availability of specific options, please contact Pall.

Optional Filters

General Description	Part No.	Description	Details
SUPRApak PLUS Modules	5302800/S	SUPRApak PW 5200 SW	For use in SUPRApak S Housing - Particulate Removal
SUPRApak PLUS Modules	5302807/S	SUPRApak PW 5500 SW	For use in SUPRApak S Housing - Particulate Removal
SUPRApak PLUS Modules	5303071/S	SUPRApak PW 5700 SW	For use in SUPRApak S Housing - Particulate Removal
SUPRApak PLUS Modules	5302742/S	SUPRApak PW 5900 SW	For use in SUPRApak S Housing - Particulate Removal
SUPRApak PLUS Modules	5303072/S	SUPRApak PW 7100 SW	For use in SUPRApak S Housing - Particulate Removal
SUPRApak PLUS Modules	5303104/S	SUPRApak PW 7700 SW	For use in SUPRApak S Housing - Particulate Removal
Claris Filter	CLR130M8WE480	CLR130M8WE480	For use in FBT Housing – Pre-Filtration
Claris Filter	CLR130W480	CLR130W480	For use in FBT Housing – Pre-Filtration
Nexis T Filter	NXT1030UM7WS480	NXT1030UM7WS480	For use in FBT Housing – Pre-Filtration
Nexis T Filter	NXT2030UM7WS480	NXT1030UM7WS480	For use in FBT Housing – Pre-Filtration



+1-866-905-7255 **Food and Beverage toll free**
foodandbeverage@pall.com

Corporate Headquarters
Port Washington, NY, USA
+1-800-717-7255 toll free (USA)
+1-516-484-5400 phone

European Headquarters
Fribourg, Switzerland
+41 (0)26 350 53 00 phone

Asia-Pacific Headquarters
Singapore
+65 6389 6500 phone

Visit us on the Web at www.pall.com/foodandbev

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IF APPLICABLE Please contact Pall Corporation to verify that the product conforms to your national legislation and/or regional regulatory requirements for water and food contact use.

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