

SUPRA Cannabis System E Series

SUPRA Filtration For Cannabis Oil Filtration

SUPRA Cannabis System E Series are simple, plug and play skids designed to revolutionize depth filtration applications in the cannabis industry. The systems are designed incorporating Pall's unique SUPRApak™ and SUPRADisc™ M filter modules and cartridge filters providing a cost-effective alternative to classical sheet filtration and decolorization.

Description

SUPRA Cannabis System E 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 E Series technology is ideal for use in cannabis applications for wax and color removal for flow rates (or volumes) between X and Y. All components and critical measurement devices are assembled on a mobile, easy to install and operate skid (or something like that).

The E series units are set up to include 3 stages of filtration. For clarification and wax removal, SUPRA Cannabis System E Series units hold 1 or 2 SUPRApak M modules, each representing up to approximately 2.7 m² (29.1 ft²) of filtration



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area or 1 or 2 SUPRADisc II 12 inch modules, representing up to 1.8 m² of area enabling compact and low hold-up volume system design. After the clarification step, SUPRADisc AKS Modules are positioned for color removal. The third and final step is a guard filtration step using cartridge filters.

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 M Series Modules; SUPRADisc II Modules; Code 7 Pall Cartridges; SUPRADiscAKS 4 Modules

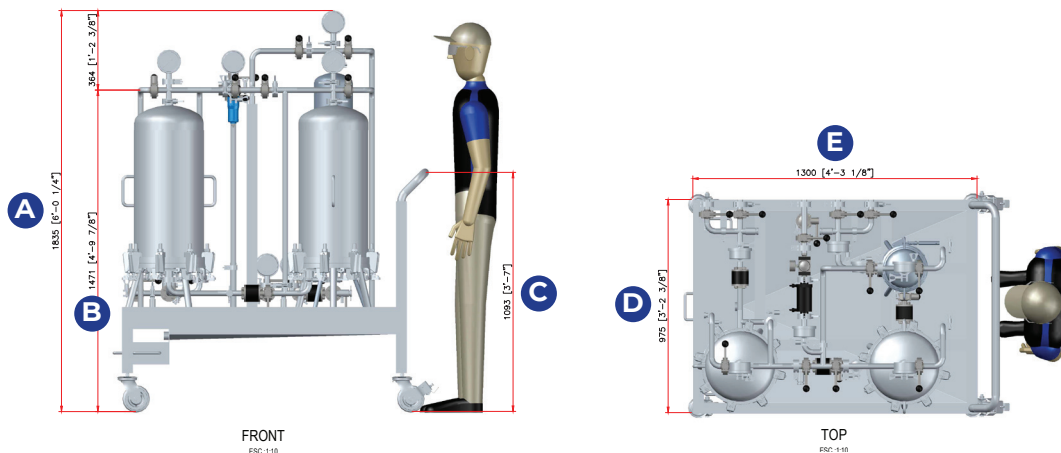
¹ Maximum design pressure and temperature ratings are vessel ratings only. Safe operation will also depend on filter module and housing gasket use. Silicone assembly seals restrict continuous operating temperature to -40 to 130 °C (266 °F). For details on module temperature limitations, please refer 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 E121	CSKDWZ121013	1835 (72.25)	1471 (57.875)	1093 (43)	975 (38.375)	1300 (51.125)
SUPRA Cannabis System E122	SCSKDWZ122033	1730 (68.125)	1491 (58.75)	1093 (43)	975 (38.375)	1300 (51.125)

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

	E121	E122	Code 7 1 Round 30"	Code 7 3 Round 30"	WSFC 12-01	WSFC 12-02
Volume L (US gal)	—	—	6.3 (1.7)	20 (5.3)	32 (8.5)	53 (14)
Weight kg (lb)	400 (882)	400 (882)	6 (13.2)	23.5 (51.8)	45 (99.2)	50 (110.2)

Standard Documentation

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

Ordering Information

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

PN	Housing 1	Housing 2	Housing 3
CSKDWZ121013	WSFC 12-01	WSFC 12-01	Code 7 Housing – 1 Round 30"
SCSKDWZ122033	WSFC 12-02	WSFC 12-02	Code 7 Housing – 3 Round 30"

General Description	Part No.	Housing Used
SUPRAdisc II Module	7007872	WSFC Housing
SUPRAdisc II Module	7007866	WSFC Housing
SUPRApak PLUS Module	5303071/M	WSFC Housing
SUPRApak PLUS Module	5303072/M	WSFC Housing
SUPRAdisc II AKS 4 Module	7007996	WSFC Housing
Nexis® T Filter	NXT1030UM7WS480	Code 7 Housing
Nexis T Filter	NXT2030UM7WS480	Code 7 Housing
Profile® Star	AB3A0107WH4	Code 7 Housing
PolyFine® II	PFT 0.8-30UE-M7W 480	Code 7 Housing
PolyFine II	PFT 0.25-30US-M7W 480	Code 7 Housing



+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

Pall Corporation has offices and plants throughout the world. To locate the Pall office or distributor nearest you, visit www.pall.com/contact.

The information provided in this literature was reviewed for accuracy at the time of publication. Product data may be subject to change without notice. For current information consult your local Pall distributor or contact Pall directly.

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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JUNE 2021