SUPRA Cannabis System C-A Series
SUPRA Filtration For Cannabis Oil Filtration

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

Description

SUPRA Cannabis System C-A 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 C-A Series technology is ideal for use in cannabis applications for wax and color removal. All components and critical measurement devices are assembled on a mobile, easy to install and operable system.

The C-A Series are set up to include 3 stages of filtration. For clarification and wax removal 1 or 2 SUPRApak M modules, each representing up to approximately 2.7 m^2 (29.1 ft^2) of filtration area or 1 or 2 SUPRAdisc II 12 inch modules, representing up to 1.8 m^2 (19.4 ft^2) filter area,

SUPRA Cannabis System C-A Series

enable compact and low hold-up volume design. After the clarification step, SUPRAdiscAKS Modules are positioned for color removal. The third step is a guard filtration step using a cartridge filter.

Features	Benefits
Closed filtration system	· Increased process safety and product quality; minimized product losses, product contamination risk and personnel exposure to process fluids
Compact design with high filtration area	· Extremely high throughput at low investment cost
Drainable, low hold-up volume assembly	· Higher product yield; minimized cleaning costs
High quality internal surface finish, sanitary and crevice-free design	· Enhanced cleanability
Simple, quick installation and servicing	· Reduced labor, maintenance and downtime costs
Filter module lifting device available on request	· Eases filter installation and removal
European ATEX Directive, Group 2, Category III documentation (Zones 1/21 and 2/22)	· Suitable for use in potentially explosive environments

Specifications

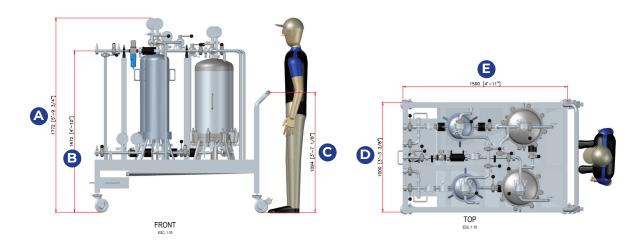|	
Minimum/Maximum Design Pressure [1, 2]	Liquids: -1 to 6 barg (-14.5 to 87 psig)
Minimum/Maximum Operating Temperature [1]	-40 to 130 °C (-40 to 266 °F)
Materials of Construction	Wetted parts 1.4404 (AISI 316L stainless steel)
Sealing Materials [3]	Silicon elastomer
Internal Surface Finish	≤ 0.8 micrometers 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

FRONT
ESC.:1:10

TOP
ESC.:1:10

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

Name	PN	A	B	C	D	E
SUPRA Cannabis System C121A	**SCSKD03WZ1211**	1868 (73.5)	1477 (58.125)	1094 (43.125)	1000 (39.375)	1500 (59)
SUPRA Cannabis System C122A	**SCSKD03WZ1223**	1772 (69.75)	1472 (58)	1094 (43.125)	1000 (39.375)	1500 (59)

[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

	C121A	C122A	Code 7 1 Round 30"	Code 7 3 Round 30"	Code 7 5 Round 30"	WSFC 12-01	WSFC 12-02
Volume L (US gal)	—	—	6.3 (1.7)	20 (5.3)	31.8 (8.4)	32 (8.5)	53 (14)
Weight kg (lb)	550 (1212.5)	550 (1212.5)	6 (13.2)	23.5 (51.8)	30.4 (67)	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	Housing 4
SCSKD03WZ1211	Code 7 Housing – 3 Round 30"	WSFC 12-01	WSFC 12-01	Code 7 Housing – 1 Round 30"
SCSKD03WZ1223	Code 7 Housing – 5 Round 30"	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 Filter	AB3A0107WH4	Code 7 Housing
PolyFine® II Filter	PFT 0.8-30UE-M7W 480	Code 7 Housing
PolyFine II Filter	PFT 0.25-30US-M7W 480	Code 7 Housing

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