

Activated Carbon Lenticular Depth Filter

PARSWOOD LAC Series depth-stack cartridges combine carbon-containing filter sheets with a supported lenticular module format for particulate clarification and the adsorption of selected dissolved colour, odour, and flavour compounds.

A double-separator design supports the filter sheets during operation and handling, while rigid external clips help protect the media during installation and removal. Designed for application-specific evaluation in beverage and liquid processing.



FEATURES

- Activated carbon integrated within depth filter sheets
- Double separators support stable media geometry
- External clips help protect sheets during handling
- Multiple diameter, cell-count and gasket options

APPLICATIONS

- Spirits: colour, aroma and flavour adjustment
- Water: chlorine reduction and taste/odour correction
- Syrups, juices and other liquids: targeted colour reduction
- Selected oils and extraction liquids: trial-based colour and odour remediation

MATERIALS, DIMENSIONS & OPERATING LIMITS

MATERIALS & DIMENSIONS		OPERATING PARAMETERS	
Depth filtration media	Carbon/cellulose with activated carbon and resins ¹	Maximum process temperature	80°C (176°F)
Support / separators	Polypropylene (PP)	Max. ΔP at 25°C (77°F)	2.0 bar (29 psi)
Gasket / seal choices	Silicone, EPDM, NBR	Max. ΔP at 80°C (176°F)	1.0 bar (14.5 psi)
Nominal diameter	8", 12", 16"	End configurations	DOE gasket; SOE double O-ring ²
Cell configurations	7, 8, 9, 12, 14, 15, 16 ³	Carbon grade designation	C150 / 150 (see note below)

¹ Media composition is representative of this cartridge series. ² SOE listed for 8" only. ³ Availability depends on diameter and connection; confirm before ordering.

POPULAR 16-CELL CONFIGURATIONS

PARSWOOD ORDER CODE	DIAMETER	SEAL	CELLS	REFERENCE AREA
LAC150D12E16	12"	EPDM	16	1.92 m² / 20.7 ft²
LAC150D16E16	16"	EPDM	16	4.16 m² / 44.8 ft²

MEDIA-GRADE NOTE Grade C150 is 2-5 µm. These are grade descriptions, not verified absolute retention or adsorption-removal efficiency ratings.

ORDERING & TECHNICAL SUPPORT

Find Your Ideal Filter

Choose your cartridge size and seal material and order directly at parswood.ca. Need help selecting the right filter or replacing an existing cartridge? Our filtration specialists are happy to assist.

Product & availability: parswood.ca | sales@parswood.ca | +1 905 407 4545

CONFIGURATION & TECHNICAL REFERENCE

Specify the complete PARSWOOD order code and operating conditions when requesting a quotation.

PARSWOOD ORDERING GUIDE

LAC150D12E16						
PRODUCT	MEDIA GRADE	END TYPE	OUTER DIAMETER	SEAL	CELL COUNT	
LAC Series (Carbon depth-stack)	150 = 2-5 µm*	D = DOE gasket	8 = 8"	S = Silicone	7 = 7 Cell	14 = 14 Cell
		S = SOE O-rings†	12 = 12"	E = EPDM	8 = 8 Cell	15 = 15 Cell
			16 = 16"	B = NBR	9 = 9 Cell	16 = 16 Cell
					12 = 12 Cell	

Part-number example: LAC + 150 + D + 12 + E + 16 = activated carbon grade 150, DOE, 12-inch, EPDM, 16 cells.

* Grade designation is not a certified absolute micron rating. † SOE double O-ring connection is only documented for the 8-inch size; not every cell/diameter combination is standard.

PROCESS SELECTION & COMMISSIONING

1 DEFINE THE TARGET	2 VERIFY COMPATIBILITY	3 VALIDATE ON PROCESS
Identify the liquid, target colour / odour / flavour change, contaminant type, expected throughput and acceptable product losses.	Confirm housing fit, seals, temperature, pressure and chemical compatibility with spirits, extraction solvents and cleaning agents.	Run a controlled trial; measure inlet/outlet quality and monitor pressure drop, flow and adsorption breakthrough.

TECHNICAL GUIDANCE

Depth vs. adsorption	The micron-grade designation refers to the depth media; carbon adsorption depends on specific chemistry, concentration, contact time, flow, and carbon capacity.
Pre-use handling	Flush / condition the new module only according to the validated process or confirmed manufacturer SOP. Check the downstream product for carbon fines and changes in sensory properties.
End of service	Replace according to the first validated process endpoint: colour/odour breakthrough, unacceptable differential pressure, or approved production limit.
Hot cleaning & solvents	An 80°C operating rating does not establish CIP, SIP, autoclave, ethanol or extraction-solvent compatibility. Obtain process-specific written approval where required.

EASY ORDERING & PARSWOOD SUPPORT

ORDER ONLINE	WE'RE HERE TO HELP
Choose your cartridge size and seal option at parswood.ca for convenient online ordering. Need a different configuration? Contact us for availability.	Have questions about housing fit, process conditions or technical documents? Our team can help you select the right option for your application.

IMPORTANT TECHNICAL NOTICE

Product-family information is supplied for preliminary technical evaluation, not as a product-specific guarantee, removal claim or warranty of fitness. Verify dimensional and chemical compatibility, filtration / adsorption performance, process validation, and all food-contact or regulatory requirements for the exact configuration and intended liquid. Selected VOC and metal-ion removal applications require contaminant-specific testing.