

LPT Series PTFE Cartridge Filter

Provide safe, sterile filtration for air and gas in pharmaceutical applications

LPT Series cartridge filters are constructed of polypropylene components and a hydrophobic PTFE membrane, 100% integrity tested during manufacturing before release, offering high flow rate and low pressure drop for air and gas in pharmaceutical applications.

Note: These filters are not available for North America and Europe. Please reach out to our specialists for other product recommendation for your applications.

APPLICATIONS

- Venting
- Air/gas filtration

FEATURES & BENEFITS

Meets USP<88>, 21 CFR and commission regulation for food contact materials	Provides biosafety insurance and global regulatory compliance
Sterilizing-grade meets bacterial challenge test ASTM F838	Safe, sterile filtration for air and gas applications
Excellent robustness and integrity maintained after multiple cycles of SIP at higher temperature and longer time	Ensures high quality for sterility assurance and longer service life even at extremely demanding applications

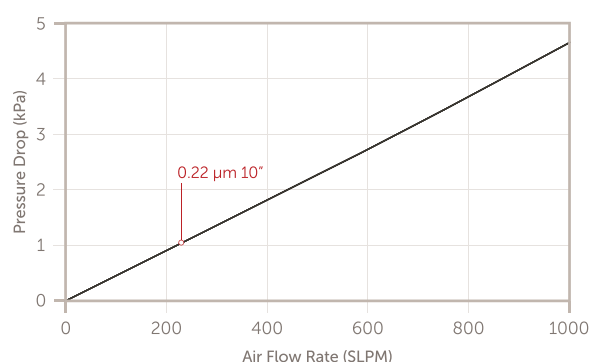


Safe, sterile filtration for air and gas applications.

SPECIFICATIONS

Materials of construction	Membrane	Hydrophobic PTFE
	Support	Polypropylene
	Core and Cage	Polypropylene
	End Caps	Polypropylene with stainless steel (SS) lining
	O-rings/Gasket	Silicone
	Sealing technology	Thermal bonding, no adhesives
Dimensions	Diameter	Ø68 mm
	Length	5", 10", 20", 30"
Filtration area	≥5.7 ft² per 10" cartridge	
Retention rating	0.1, 0.22 µm	
Maximum differential pressure	Forward: 4.2 bar @ 23°C (73°F), 1.0 bar @ 85°C (185°F)	
Integrity Test 95% ethanol water bubble point at 23°C	0.1 µm	≥1100 mbar
	0.22 µm	≥900 mbar
Bacterial retention	Passed the bacterial challenge testing using <i>Brevundimonas diminuta</i> (ATCC19146) at a minimum challenge concentration of 1 × 10 ⁷ CFU/cm ²	
Multiple sterilization cycles	May be steam-in-place sterilization for maximum 30 cycles at 127°C (261°F), 30 min, ΔP≤300 mbar	
	May be autoclaved for maximum 20 cycles at 123°C (253°F), 30 min	
Food contact material	All components meet the requirements of (EC) No 1935/2004	
Indirect food additive	All components meet the FDA Indirect Food Additive requirements cited in 21 CFR 177	
Quality	Manufactured in accordance with ISO 9001 and ISO 13485 certified quality management system	

PERFORMANCE DATA



ORDERING INFORMATION

PART NUMBER	RETENTION RATING	END CAP CONFIGURATION	LENGTH
LPT010A05SB-A1	0.1 µm	222/fin	5"
LPT010A10SB-A1	0.1 µm	222/fin	10"

ORDERING INFORMATION

PART NUMBER	RETENTION RATING	END CAP CONFIGURATION	LENGTH
LPT010A20SB-A1	0.1 µm	222/fin	20"
LPT010A30SB-A1	0.1 µm	222/fin	30"
LPT010B05SB-A1	0.1 µm	222/flat	5"
LPT010B10SB-A1	0.1 µm	222/flat	10"
LPT010B20SB-A1	0.1 µm	222/flat	20"
LPT010B30SB-A1	0.1 µm	222/flat	30"
LPT010C05SB-A1	0.1 µm	226/fin	5"
LPT010C10SB-A1	0.1 µm	226/fin	10"
LPT010C20SB-A1	0.1 µm	226/fin	20"
LPT010C30SB-A1	0.1 µm	226/fin	30"
LPT010D05SB-A1	0.1 µm	226/flat	5"
LPT010D10SB-A1	0.1 µm	226/flat	10"
LPT010D20SB-A1	0.1 µm	226/flat	20"
LPT010D30SB-A1	0.1 µm	226/flat	30"
LPT010E05SB-A1	0.1 µm	DOE	5"
LPT010E10SB-A1	0.1 µm	DOE	10"
LPT010E20SB-A1	0.1 µm	DOE	20"
LPT010E30SB-A1	0.1 µm	DOE	30"
LPT022A05SB-A1	0.22 µm	222/fin	5"
LPT022A10SB-A1	0.22 µm	222/fin	10"
LPT022A20SB-A1	0.22 µm	222/fin	20"
LPT022A30SB-A1	0.22 µm	222/fin	30"
LPT022B05SB-A1	0.22 µm	222/flat	5"
LPT022B10SB-A1	0.22 µm	222/flat	10"
LPT022B20SB-A1	0.22 µm	222/flat	20"
LPT022B30SB-A1	0.22 µm	222/flat	30"
LPT022C05SB-A1	0.22 µm	226/fin	5"
LPT022C10SB-A1	0.22 µm	226/fin	10"

ORDERING INFORMATION

PART NUMBER	RETENTION RATING	END CAP CONFIGURATION	LENGTH
LPT022C20SB-A1	0.22 µm	226/fin	20"
LPT022C30SB-A1	0.22 µm	226/fin	30"
LPT022D05SB-A1	0.22 µm	226/flat	5"
LPT022D10SB-A1	0.22 µm	226/flat	10"
LPT022D20SB-A1	0.22 µm	226/flat	20"
LPT022D30SB-A1	0.22 µm	226/flat	30"
LPT022E05SB-A1	0.22 µm	DOE	5"
LPT022E10SB-A1	0.22 µm	DOE	10"
LPT022E20SB-A1	0.22 µm	DOE	20"
LPT022E30SB-A1	0.22 µm	DOE	30"

FOR MORE INFORMATION

Please call your Regional Customer Service Center today to learn what Entegris can do for you. Visit [entegris.com](https://www.entegris.com) and select the [Contact Us](#) link to find the customer service center nearest you.

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