

LCF Kleen-Change® - LCBN

Description

The LCF Kleen-Change®-LCBN capsule filter is specifically designed to remove gelatinous material and particles from liquid crystal (LC) material, in the manufacture of thin film transistor displays. Its unique configuration and low pressure drop allows for easy venting, thus virtually eliminating the presence of air bubbles, which can cause defects during the liquid crystal one drop filling (ODF) process. Its all fluoropolymer construction provides for excellent chemical compatibility with low extractables.

Features and Benefits

- Disposable filter capsule designed with hydraulic buffering capacity minimize defects caused by bubbles during the ODF process
- Low hold-up volume for reduced LC waste
- Filter removal rating of 0.1 μm improves yield by retaining gels and fine particles
- Excellent filter cleanliness

Specifications

Materials of Construction

Parts	Materials
Filter Membrane	PTFE
Hardware (capsule and core)	PFA
Vent Cap (optional)	PFA
End Seal	Heat Seal



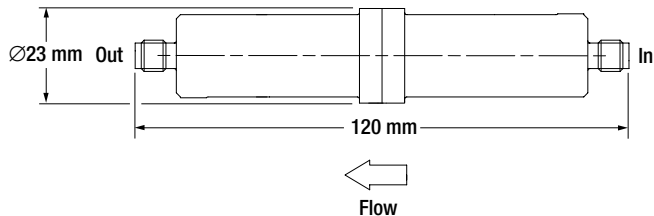
Removal Ratings	0.1 μm	
Maximum Operating Pressure and Temperature	0.4 MPa (23°C)	
Connections	Inlet/Outlet	Vent
	1/8" Swagelok ¹ compatible	1/8" Swagelok compatible

¹ Swagelok is a trademark of Swagelok Company

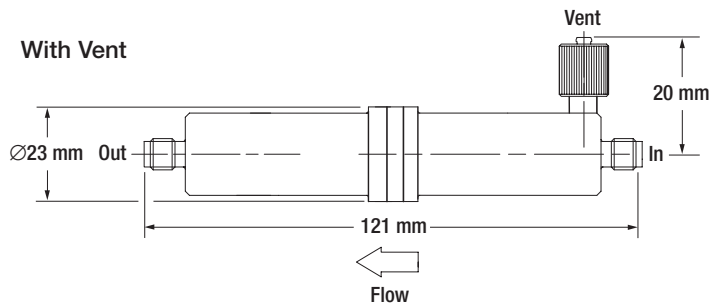
Dimensions

nominal

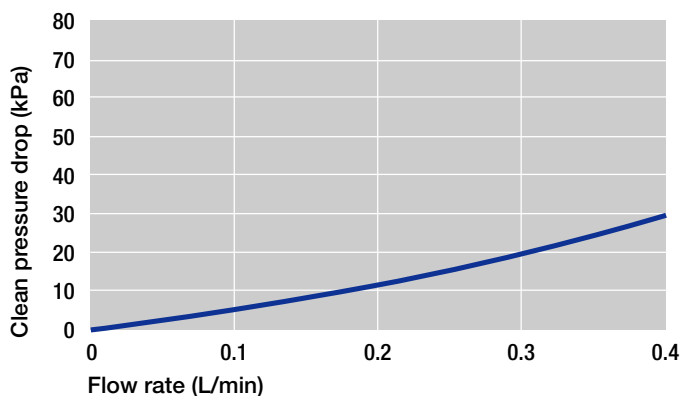
Without Vent



With Vent



Pressure Drop vs. Liquid Flow Rate (Water, 20°C)



Part Numbers / Ordering Information

LCBN01FTESW2

Table 1

Code	Vent
Blank	None
2	Vent, 1/8" Swagelok compatible



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