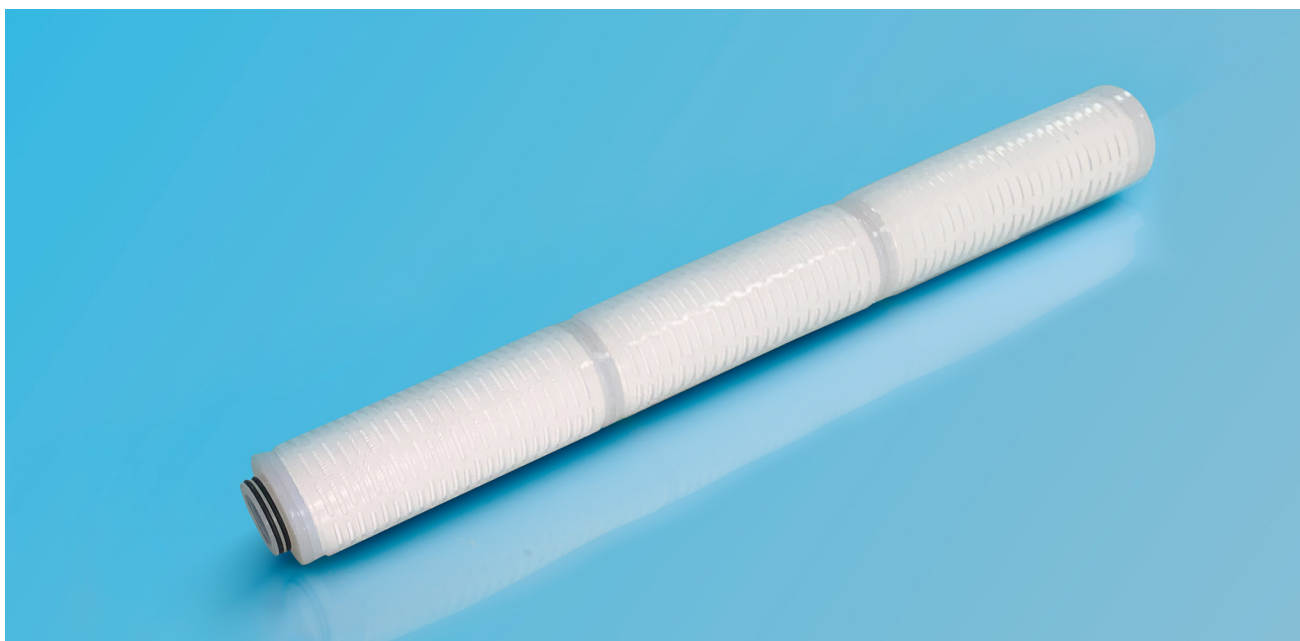


# LIBRA

## Modified PTFE membrane



*LIBRA series cartridge is an advanced hydrophilic PTFE filter element, made of high-purity materials and washed with ultrapure water. It is specially designed to purify electronic chemicals for wafer cleaning, such as the critical water-based Cleaning agents SC-1, SC-2 and SPM etc.*

### Product Features

- High-purity PTFE
- Suitable for high temperature and high pressure environment
- High flow, low D.P.
- Manufactured in a dust-free environment
- 100% Integrity Test

### Typical Application

- 50% HF filtration
- Varies solvent & Acid solution

### Technical Parameter

#### Membrane

Hydrophilic PTFE

#### Cage and end cap

PFA

#### Support and layering

PFA

#### O-Ring

FEP+FKM, FFKM

#### Filtration Rating

0.03µm, 0.05µm, 0.1µm, 0.2µm,  
0.45µm, 1.0µm

### Configuration

Diameter: 68mm / 2.68"

83mm / 3.27"

End: 68: 222 / 226

Flat end / Fin end

83: 222 Flat end

### Operation condition

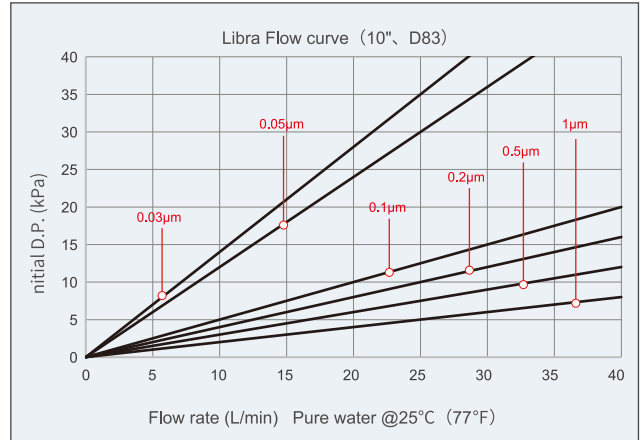
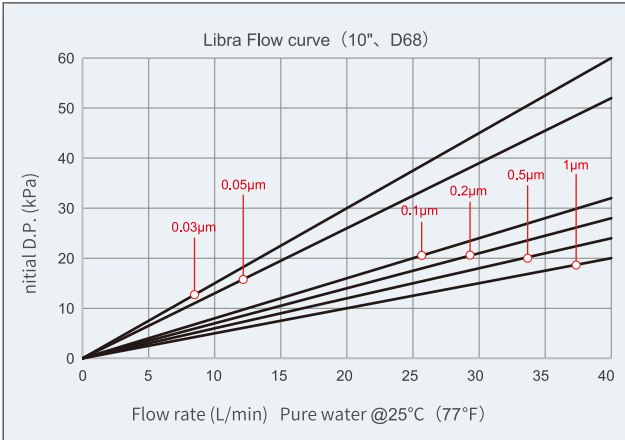
Max. Operating Temp.:  
170°C / 338°F

Max. forward flow D.P.  
0.44 MPa(4.4 bar, 64 psi)  
@25°C(77°F)

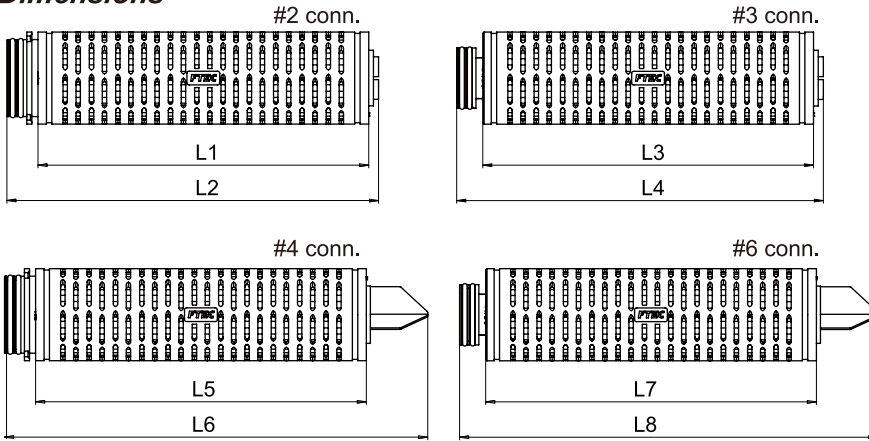
0.05 MPa(0.5 bar, 7.5 psi)  
@180°C(356°F)

Max. reverse flow D.P.  
0.34 MPa(3.4 bar, 50 psi)  
@25°C(77°F)

**LIBRA Differential Pressure & Flow Rate (length 10")**



**Dimensions**



Size	5"	10"	20"	30"
L1	120	242.5	493	734
L2	150	272.5	523	764
L3	120	242.5	493	734
L4	146	268.5	519	760
L5	120	242.5	493	734
L6	188	310.5	561	802
L7	120	242.5	493	734
L8	184	306.5	557	798

Cartridge Diameter: 68mm  
Please consult with Featue-Tec for other sizes

**Ordering information**

Model LI	Diameter D	Material PL	Length 10	End connections 6	O-rings C	Retention ratings A	Pre-wetting N	Cleaning standard S
LI: LIBRA	D1:φ68	PL: Hydrophilic PTFE	05: 5"	2: 226 Flat end, SOE	C: FEP+FKM F: FFKM	J: 0.03µm A: 0.05µm B: 0.1µm C: 0.2µm D: 0.45µm F: 1µm	N: No wetting K: Prewetting	B: General grade C: Standard grade E: Electronic grade S: Semiconductor grade
	F1:φ83		10: 10"	3X: 222 Flat end, SOE*				
			20: 20"	4: 226 Fin end, SOE				
			30: 30"	6X: 222 Fin end, SOE*				

\*: Locking ring

