

Absolute gard



Description

Liquatec develops the Melt-Blown technology to meet the market requirements for a pure polypropylene depth filter with exceptional dirty-holding capability and performance. The structure of surface is an exceptional value for industry application where long life, low pressure drop and high efficiency required.

Specification

Micron Rating (Absolute Rating 99.9%):

1, 3, 5, 10, 25, 50, 75, 100 μm

Material of Construction:

100% Polypropylene Melt-Blown Micro-Denier fiber

Length: 9.87inches, 10inches, 20inches, 30inches, 40inches, 50inches

Outer Diameter: 63mm(2.48inches),

69mm(2.72inches), 83mm(3.27inches)

Inner Diameter: 28mm(1.1inches),

38mm(1.50inches)

Operation Conditions

Maximum operation pressure drop:

1.2 kg/cm^2 (17 psi) at 80°C(176°F)

2.1 kg/cm^2 (30 psi) at 60°C(140°F)

4.2 kg/cm^2 (59 psi) at 20°C(68°F)

Recommended replaceable pressure drop:

2.1 kg/cm^2 (30psi)

Maximum operation temperature: 80°C(176°F)

Benefits and Features

Absolute ratings from 1 to 100 μm

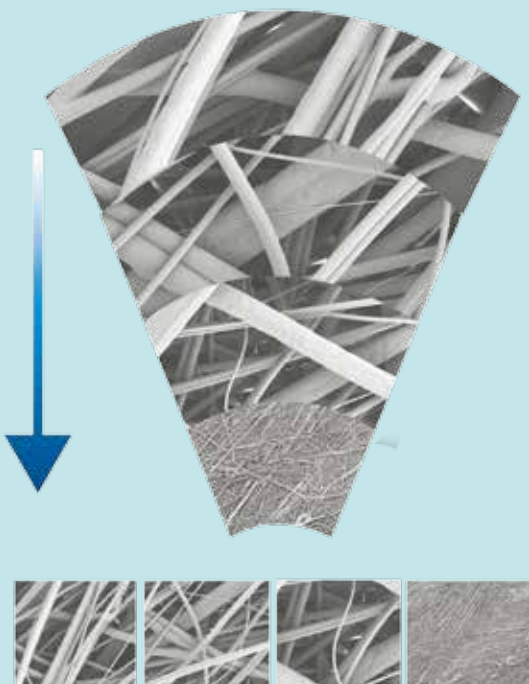
Continuously gradient pore structure increase capacity of dust

Surface fiber fortified to prevent fiber releasing
100% PP for compatibility for a wide range of process fluid

Formed by thermal bond without use any binder and adhesive

High strength and pressure resistance

Certificated by FDA CFR Title 21



Applications of product

Food & Beverage

Electroplating, etching and image development processes in PCB industry

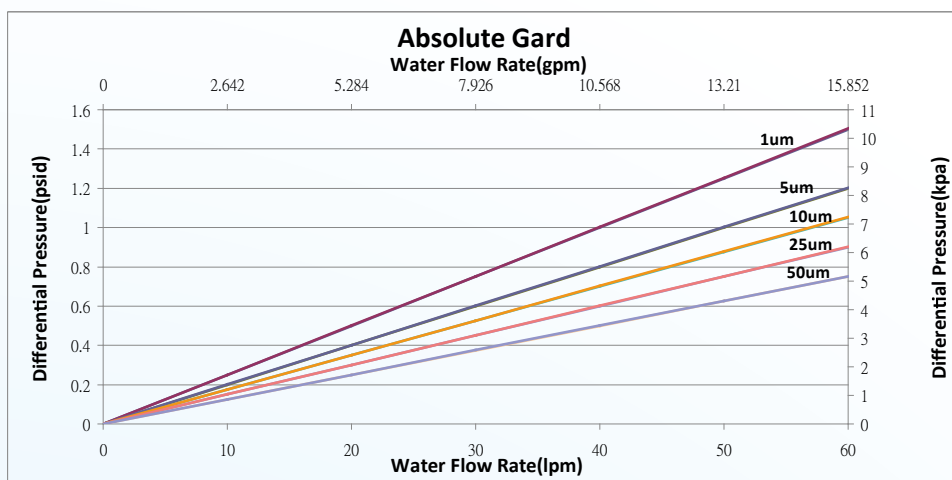
Filtration of electroplating fluid in conventional electroplating industry

Pre-filter of DI & RO water filtration system for industry

Filtration of medium & low viscosity fluids of chemical

Performance

Flow Rate VS Pressure Drop



Code Principle

AG	C	B	D10	0254	E	DO	P
Product Name	OD(mm)	ID(mm)	Rating(um)	Length(mm)	O-ring	Code Number	Inner Core
Absolute Gard	B : 61	B : 28	B50 : 0.5	0251	E : EPDM	DO : Double Open	P :
	C : 63	C : 38	C10 : 1	0254	S : Silicone	DB : Double Blue cap	With Inner Core
	D : 69		C30 : 3	0508	V : Viton	2C : 222/Cap	N :
	N : 83		C50 : 5	0762	T : PFA encapsulate viton	2S : 222/Spear	No Inner Core
			D10 : 10	1016	X : non o-ring	6C : 226/Cap	
			D20 : 20	1270	A : EVA(two-sided)	6S : 226/Spear	
			D30 : 30		B : EVA(one-sided)		
			D40 : 40				
			D50 : 50				
			D75 : 75				
			E10 : 100				