



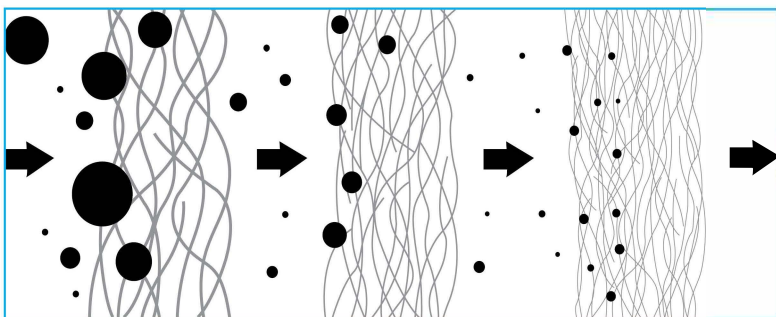
DEPTH

## RTX SERIES

### Filter Solution for Secondary Battery Process Filtration

The RTX SERIES is specifically designed for filtering materials used in secondary battery applications. It features a multi-layered polypropylene structure with high porosity, achieving an exceptional removal efficiency of over 99% while providing an ideal depth filtration structure. Even in slurry filtration with a high solid content, it ensures stable process operation with low differential pressure and an extended service life.

#### ■ FEATURES



Maximizing Contaminant Holding Capacity with an Optimized Depth Filtration Structure

Special Media Layering for Flow Rate Optimization

Superior Filtration Consistency with a Multi-Layer Media Structure

#### ■ APPLICATIONS

Electrode slurry coating process, Separator slurry filtration and coating process, Insulation slurry filtration, Conductive material filtration, and overall filtration of secondary battery materials and slurries

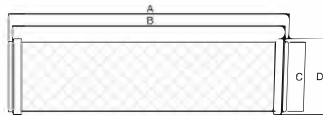
## SPECIFICATIONS

RTX SERIES			
Type	CARTRIDGE	CLEANCHANGE	MULTIFLOW
Grade	50 $\mu$ m / 75 $\mu$ m / 100 $\mu$ m / 125 $\mu$ m / 150 $\mu$ m / 200 $\mu$ m		
Removal Efficiency	≥ 99%		
Length	10 inch / 20 inch	10 inch	10 inch
Outer Diameter	62mm	87mm	240mm
Inner Diameter	30mm	None	None
Main Media	Polypropylene		
Support Media	Polypropylene		
Core & Cage	Polypropylene	None	None
Capsule Material	None	Polypropylene	Polypropylene
Inner Volume	None	500cc	5,000cc
Seal Materials	Silicone / EPDM / Viton / FEP Encapsulated / PP Gasket	Silicone / EPDM / Viton	Silicone / EPDM
Max Temperature	80°C (DI Water)		
Max $\Delta$ P (kgf/cm <sup>2</sup> )	4.0 (DI Water)		

## DIMENSIONS

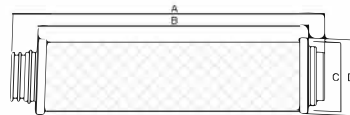
### CARTRIDGE

DOE



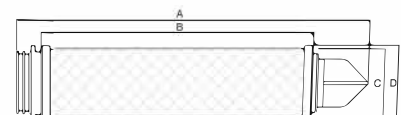
LENGTH	A	B	C	D
10"	251±2	244	62	68

CODE 3



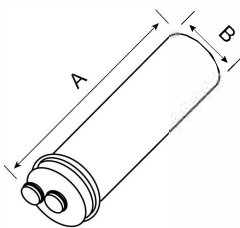
LENGTH	A	B	C	D
10"	282±2	244	62	68

CODE 7



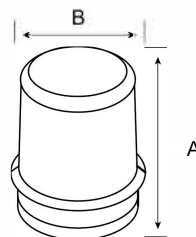
LENGTH	A	B	C	D
10"	314±2	244	62	68

### CLEANCHANGE



LENGTH	A	B
10"	295±2	87±2

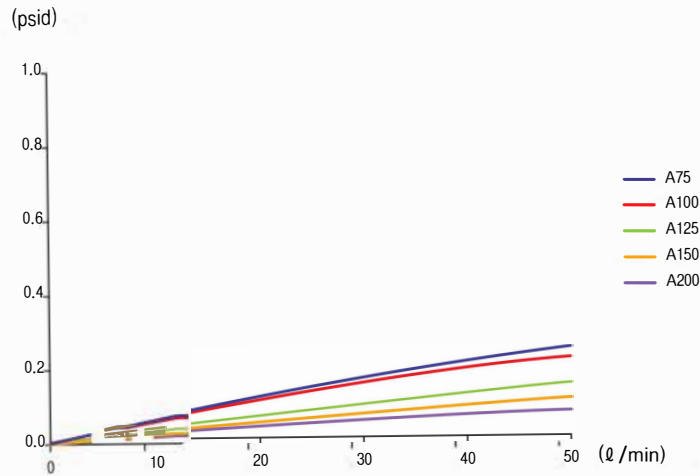
### MULTIFLOW



LENGTH	A	B
10"	314±2	240±2

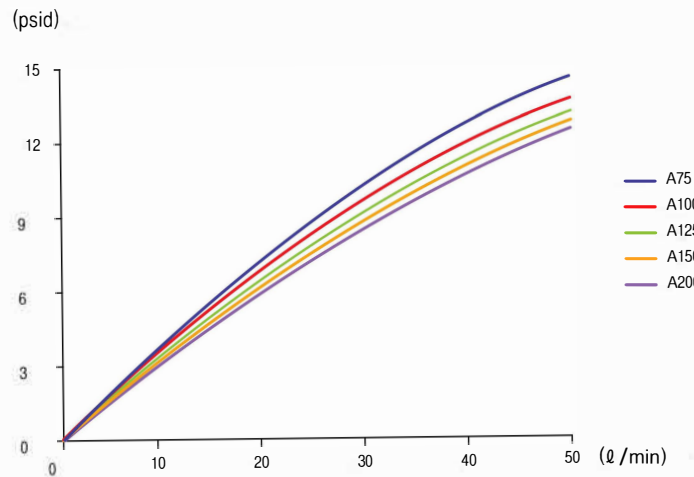
■ FLOW RATE

CARTRIDGE



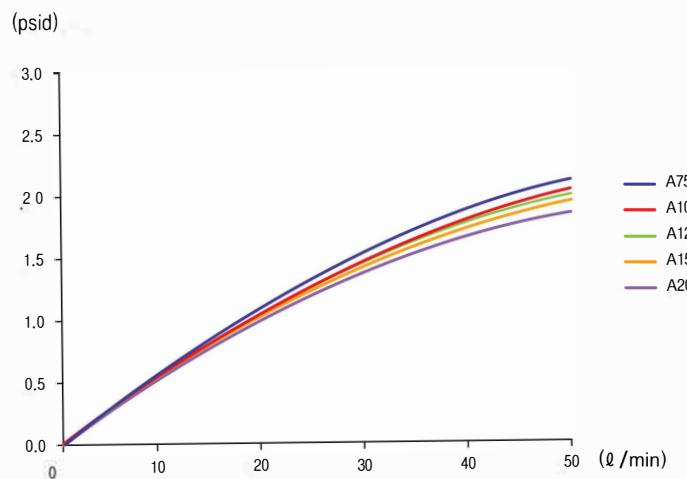
\* 측정조건 ● 여과방식 : Single Pass ● 유체 : DIW ● 온도 : 상온 ● 유량 10~50LPM (10단위) ● Dust : ISO Dust  
 \* 10 Inch 카트리지 필터 기준

CLEANCHANGE



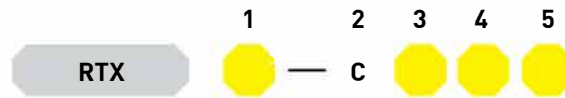
\* 측정조건 ● 여과방식 : Single Pass ● 유체 : DIW ● 온도 : 상온 ● 유량 10~50LPM (10단위) ● Dust : ISO Dust  
 \* CLEANCHANGE 기준

MULTIFLOW



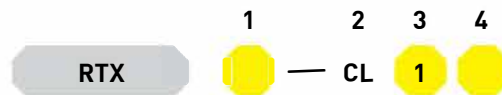
\* 측정조건 ● 여과방식 : Single Pass ● 유체 : DIW ● 온도 : 상온 ● 유량 10~50LPM (10단위) ● Dust : ISO Dust  
 \* MULTIFLOW 기준

## ■ PART NUMBER IDENTIFICATION CARTRIDGE



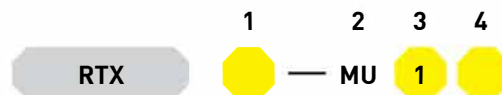
①	②	③	④	⑤
Grade	Type	Length of Filter	Materials of Seal	End Style
500 : 50 $\mu$ m 750 : 75 $\mu$ m 10H : 100 $\mu$ m 13H : 125 $\mu$ m 15H : 150 $\mu$ m 20H : 200 $\mu$ m	C	1 : 10inch 2 : 20inch	S : Silicone E : EPDM V : Viton F : FEP Encapsulated P : PP Gasket (DOE Only)	1 : DOE 3 : 222/Flat 7 : 226/Fin

## CLEANCHANGE



①	②	③	④
Grade	Type	Length of Filter	Materials of Seal
500 : 50 $\mu$ m 750 : 75 $\mu$ m 10H : 100 $\mu$ m 13H : 125 $\mu$ m 15H : 150 $\mu$ m 20H : 200 $\mu$ m	CL	1 : 10inch	S : Silicone E : EPDM V : Viton

## MULTIFLOW



①	②	③	④
Grade	Type	Length of Filter	Materials of Seal
500 : 50 $\mu$ m 750 : 75 $\mu$ m 10H : 100 $\mu$ m 13H : 125 $\mu$ m 15H : 150 $\mu$ m 20H : 200 $\mu$ m	MU	1 : 10inch	S : Silicone E : EPDM