

## ASP Type (Adsorption [Perlite])

The ABSOLUTE Filter Cartridges “ASP” Type shows an excellent performance in removal efficiency of non-particle like colloid and muddiness that cannot be easily removed by conventional cartridges. The “ASP” is an epoch-making product equipped with both adsorption filtration by perlite and mechanical filtration by a space between fiber and fiber.

### Features

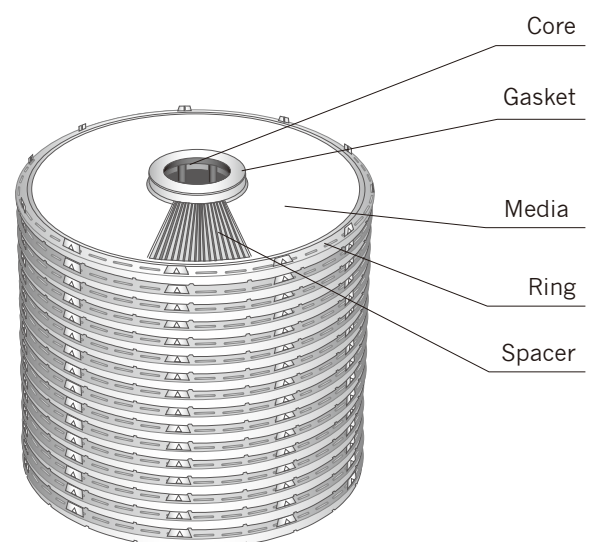
- The “ASP” effectively removes colloidal substrate, one of causes for early clogging issue of membrane, thus, contributing to cost reduction.
- There is no extra time and cost for pre-coating and backflushing, because perlites are included in the filter media.
- Without using any stainless or metallic material, there is no need to separate resin and metal out of a used filter.



### Major Applications

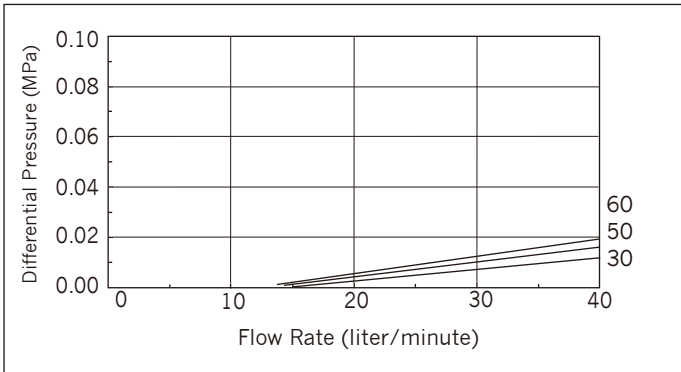
- Soft Drinks and Make-up Water
- Beer, Wine, Whisky and other alcohol drinks
- Isomerized Liquid Sweetener, Glucose and other syrups
- Pre-filtration of membrane filter cartridges
- Others

### Materials of Construction



## Differential Pressure vs Flow Rate

Fluid: Water (20°C)  
Filter Size: 16 Cells



※The data do not include piping pressure drop.

\*The above data are based on our test condition, and are not guaranteed value.

## Turbidity Removal Efficiency

Fluid: CMC (5cP)

Grade	30	50	60
Particle Retention	1.2μm	≥88%	≥95%
		≥97%	≥97%

### Notice:

Unlike micron rating of normal filter, the rating of ABSO is different.

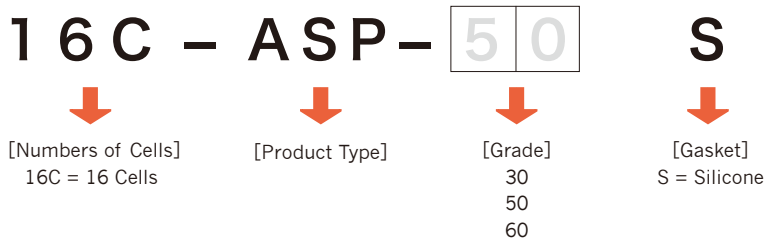
There is no rating unit, the "ABSO" media does not have any fixed pore size like membrane filter, but it adsorbs much small substrate by its adsorption effect. Turbidity Removal Efficiency test was conducted with our in-house test condition.

## Bacteria Challenge Test

ASP Filter Cartridge (LRV)

Grade	30	50	60
Biological Indicator	Lactobacillus brevis		
LRV	≥5	≥6	≥6

## Ordering Information



## Specification

Product Type		ASP		
Grade		30	50	60
E.F.A. (m <sup>2</sup> /250L)		1.67		
Dimen- sions	Length (mm)	275.0		
	O.D. (mm)	284.0		
	I. D. (mm)	51.0		
Materials Media	Media	Cellulose, Perlite		
	Core	Polypropylene		
	Spacer/Ring	Polypropylene		
	Gasket	Silicone		
Maximum ΔP (MPa)at 20°C		0.49		
Maximum Operating Temp.(°C)		80		

※ABSO exclusive housings are also available from ROKI, please contact us.

The products are manufactured under control by the quality management system registered as conforming to the ISO9001 standard.



Scope: Manufacture of Filter cartridges

\*The contents of the catalog is subject to change without notice.