

Ez-Change™

Capsule Filter Cartridge

XB·AD

(Single Type)

Ez-Change™ Capsule Filter and Housing are revolutionary filter and housing that solve problems such as “time and effort in exchanging filters”, “spatter of liquid”, “cleaning when exchanging filters” and “complicated filter setting” which are the weak points of conventional filter cartridges.

Features

- By covering the filter cartridge itself by the capsule made of resin (polypropylene), the liquid inside the capsule will not be exposed outside.
An improvement of work environment is possible.
- Since Ez-Change prevents operators from direct contact with liquid harmful to the human at the time of filter exchange, Ez-Change realizes easy and safe filter change.
- Since Ez-Change does not require an operation to clean the housing at the time of filter exchange, exchange time will be significantly reduced.
- Since Ez-Change has a simple design, It allows operators to set a filter for certain and without error.
- By optimizing the clearance of a capsule wall and built-in filter, it can reduce liquid-loss drastically.

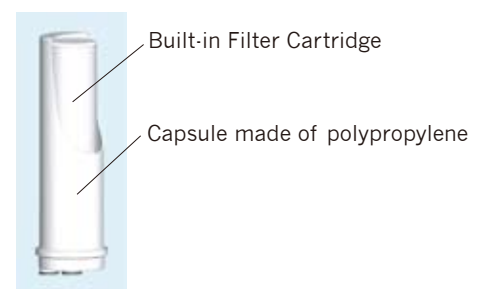
Quick filter exchange / No liquid exposure



Applications

- Coatings
- Slurry
- Paint and ink
- Solvent
- Hazardous fluids

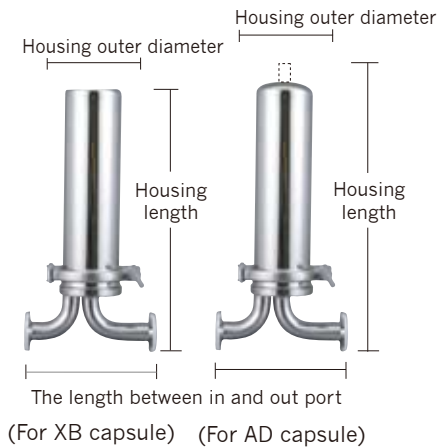
Capsule Internal Construction



A filter is built in the capsule made of polypropylene.

Capsule filter housing lineup

SIDP type



Since the base portion of XB and AD type is common, this base can be used for both types by changing only the holder of each type. This concept allows to choose the length or / and the type of capsule by changing the type of holder.

SMDP type



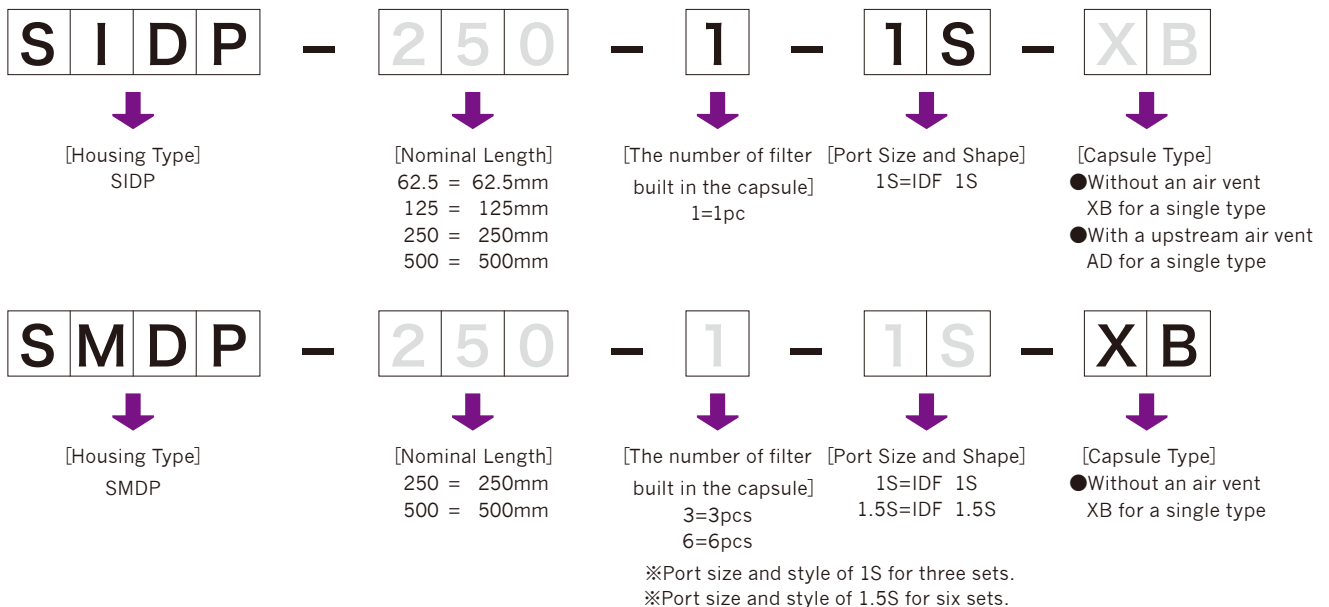
This housing allows to choose the length of capsule by changing the length of holder. This housing allows to set more than one filter at once (choice of 3pcs or 6pcs). And by using optional dummy capsule, it also enables to change the number of filter depending on the liquid volume.

Capsule filter housing Specification

Product Type	SIDP		SMDP			
	XB (AD)		XB			
For Capsule Type	XB (AD)		XB			
Built-in filter length (mm)	62.5 (62.5) / 125 (125) / 250 (250) / 500 (500)		250		500	
The number of filter built in the capsule	1		3	6	3	6
Port side (standard)	IDF 1S		IDF 1S	IDF 1.5S	IDF 1S	IDF 1.5S
The length between in and out port (mm)	181		350	500	350	500
Housing length (mm)	190 (233) / 256 (299) / 384 (423) / 634 (673)		-	-	-	-
Housing outer diameter (mm)	135		290	410	290	410
Housing material	SUS 304					
Surface finishing	Inside : Conductive FEP coating / Outside : Buff #400					
Design Pressure (housing)	0.69MPa					
Design Temperature (housing)	40°C					

※Please contact us about port side, style and dimension besides the above.

Capsule Filter Housing Ordering Information



※Please contact us about port side, style and dimension besides the above.

Accessory part

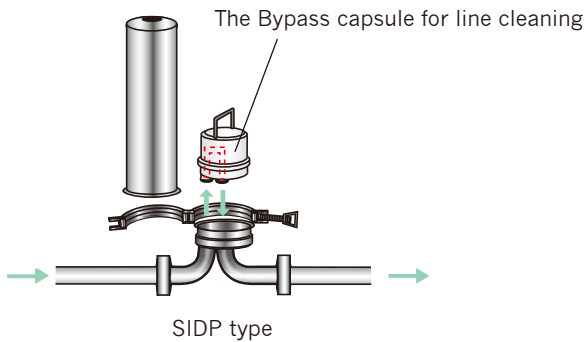
Line Cleaning

Bypass Capsule (model number : B-XB)



This is a part made of polypropylene for making a bypass from inlet to outlet of the housing.

- In-line Cleaning can be performed easily.
- The recombination work of line piping is unnecessary at the time of cleaning.



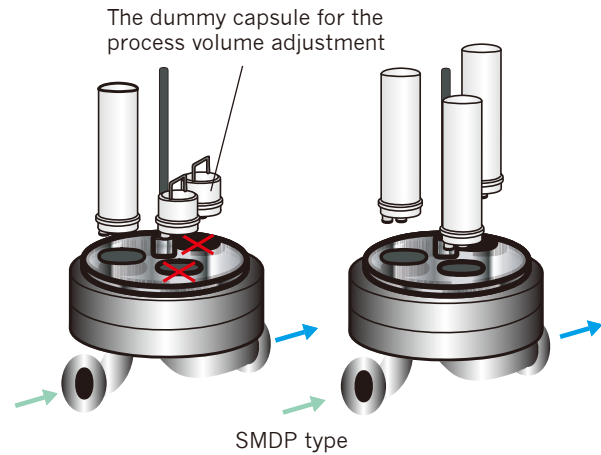
Process Volume Adjustment

Dummy Capsule (model number : SMDC / XB)



Exclusive Part made of polypropylene for SMDP housing. By using this part, it enables to change the number of capsule filters.

- Depending on a process volume, it allows to change the number of capsule filters.



Process Volume Change

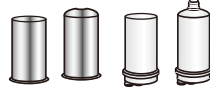
Housing Holder

By changing a housing holder, it is possible to choose the length of the filter depending on the process volume.

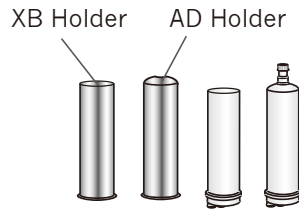
Built-in filter length 62.5mm



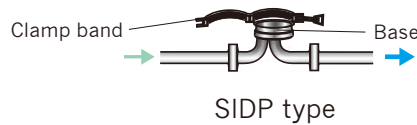
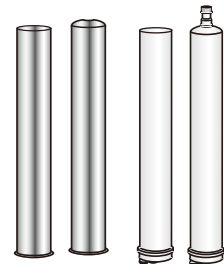
Built-in filter length 125mm



Built-in filter length 250mm



Built-in filter length 500mm



Accessory Part Ordering Information

B - X B



[Accessory Part]
B-XB = By-pass Capsule

(For SIDP Housing / For SMDP Housing)

S M D C / X B



[Accessory Part]
SMDC = Dummy Capsule

(For SMDP Housing)

※Regarding accessory parts besides the above, please contact us.