

FLOMAX (Polypropylene)



Descriptions

- Flomax Filter 100% polypropylene media & support construction offers excellent chemical and heat resistance.
- All polypropylene components and thermal bonded manufacturing enable the smallest contaminant.
- Extraction and higher durability
- Flomax filter series are manufactured in an ISO 9001 quality systems standard registered clean-room facility.

Application

- Electronics : LCD, OLED, Rinse Solution, Electronic Material, MLCC
- Chemicals : Fine Chemicals, Solvent, Selected Acids & Bases, Paste, Ink, etc.,
- Semi-conductor : CMP Slurry
- Food & Beverage : Drinking Water, Juices, Tea, Flavors, Beer, Wines, etc.,

Materials

Media	Polypropylene
Support/Drainage	Polypropylene
Core/Cage	Polypropylene
O-ring/Gasket	EPDM, Silicone, Viton*, TEV*

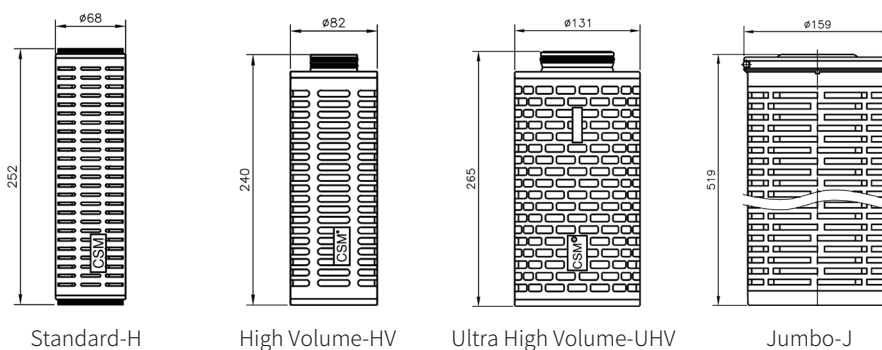
* Viton and Teflon are trademarks of DuPont

Specifications

Type	H	HV	UHV	JUMBO
Removal Range	0.2 ~ 100µm			
Length [inch]	10~40	10	10	20/40
Max. Temperature	80°C			
Max. Differential Pressure	0.3MPa @25°C			

* If you need further information on specification, please contact us

Dimensions



End Cap Options



FLOMAX (Polypropylene)

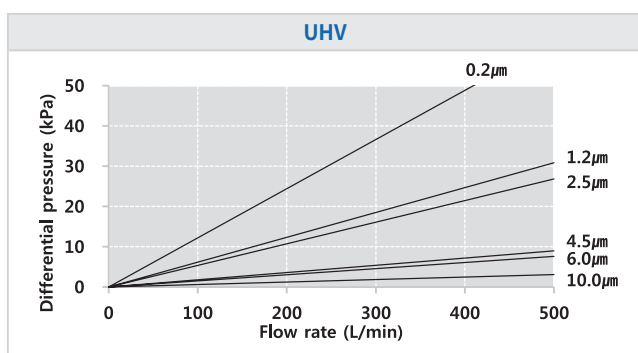
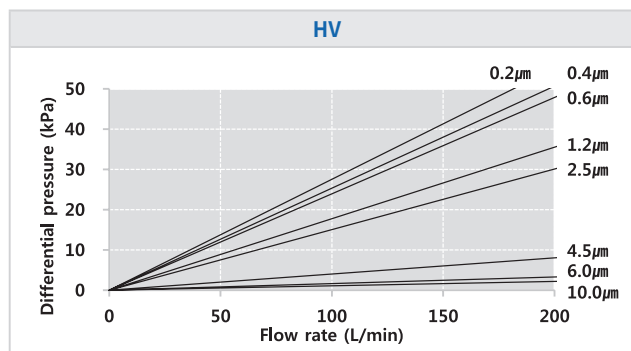
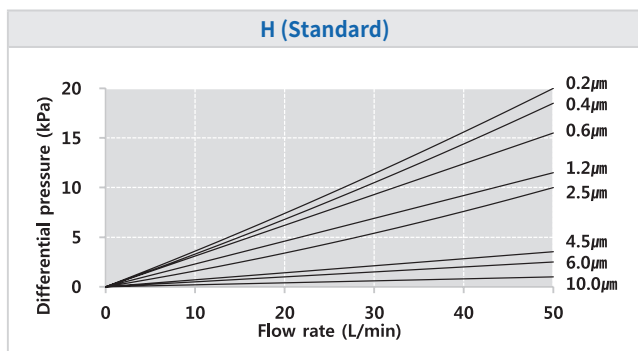
FLOMAX (Polypropylene) Type

Type	Effective Area	Description
PO	0.44 ~ 0.68m ²	PO types are well-suited for a broad range of fine particle and prefiltration applications where purity, economy and reliability are critical.
CO	0.41 ~ 0.55m ²	- CO types are provided long lifecycle and are available in a wide selection of micron rating to meet client's filtration requirement. - Nominal retention ratings which, in combination with an integral, multilayer construction, offer outstanding filtration performance.
HO	0.60m ²	- HO type applies the media in the Single layer, which has a large filtration area and has effective performance in removing the specified substances. - Nominal retention ratings.
PL	0.25 ~ 0.44m ²	PL types offer long performance compared to PO series due to their multiple layered construction
PI	0.25 ~ 0.37m ²	- PI types are effective for filtering particles and soft contaminants, such as gels by applying Fine fiber PP Melt brown. - provide long service life with multi layer structure. - High effective area, combined with continuously profiled pore structure minimizes differential pressure.
PD	0.08 ~ 0.22m ²	- PD types provide stable filtration of high viscous liquids and high solid contents under low differential pressure. - Depth and Pleated construction. - provide long service life with multi layer structure.
PX	0.14 ~ 0.22m ²	- Because PX types have high void volume throughout the depth of the filter media, dust holding capacity (DHC) is excellent. - Depth and Pleated construction

FLOMAX (Polypropylene)

PO (Pleated)

Pressure Drop vs Flow Rate (10" cartridge filter, Water 20°C)



Ordering Information

H (Standard)						HV						UHV						JUMBO									
1	HPOP	2	3	4	5	6	1	VPOP	2	3	4	5	6	1	UPOP	2	3	4	5	6	1	JPOP	2	3	4	5	6

No. 1

Code	Grade
E	Electronic
P	Pharmaceutical
F	Food & Beverage
Blank	Others

No. 2

Code	Micron Rating
02	0.2µm
04	0.4µm
06	0.6µm
12	1.2µm
45	4.5µm
60	6.0µm
11	10.0µm
22	20.0µm
33	30.0µm
55	50.0µm

No. 3

Code	End Cap
A	250mm DOE
B	254mm DOE
C	222 O-ring / Flat
D	226 O-ring / Flat
E	222 O-ring / Fin
F	226 O-ring / Fin
M	222 O-ring / Flat
K	334 O-ring / Flat
H	435 O-ring / Flat

※ HV : Only D / M code
UHV : Only K code
JUMBO : Only H Code

No. 4

Code	Length
1*	10"
2**	20"
3	30"
4**	40"
6**	60"

* HV/UHV
** JUMBO

No. 5

Code	O-ring/Gasket
E	EPDM
S	Silicone
V	Viton
T	TEV

※ UHV : Only E/T code
JUMBO : Only E/T/V code

No. 6

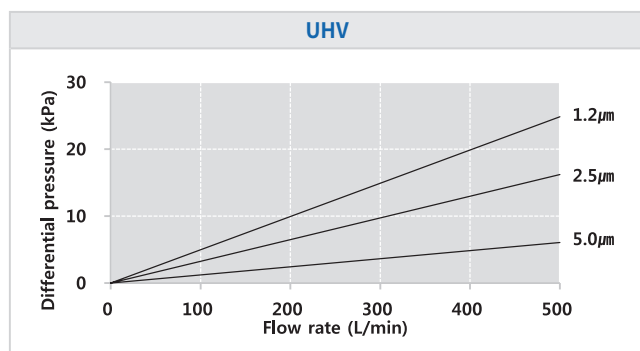
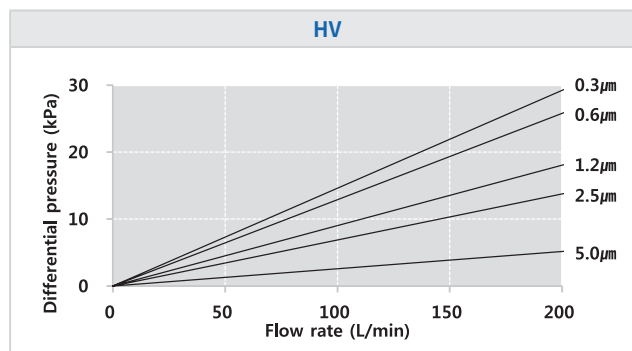
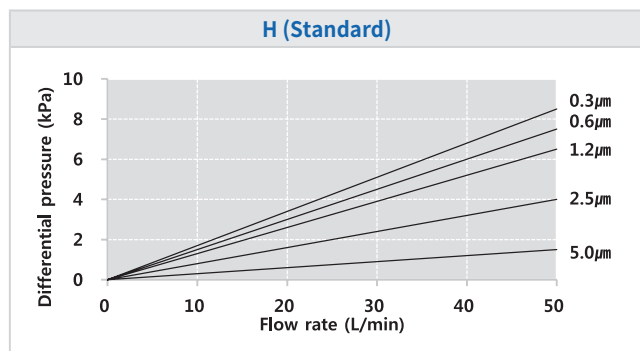
Code	Special Option
C	UPW Cleaning
S	SUS ring Insertion
U	U-Cup O-ring
V	Vacuum Package
None	None O-ring

※ H : Only C/S/V code
HV/UHV : Only C/V code
JUMBO : Only U code

FLOMAX (Polypropylene)

CO (Pleated)

Pressure Drop vs Flow Rate (10" cartridge filter, Water 20°C)



Ordering Information

H (Standard)						HV						UHV								
1	HCOP	2	3	4	5	6	1	VCOP	2	3	4	5	6	1	UCOP	2	3	4	5	6

No. 1

Code	Grade
E	Electronic
P	Pharmaceutical
F	Food & Beverage
Blank	Others

No. 2

Code	Micron Rating
03	0.3µm
06	0.6µm
12	1.2µm
25	2.5µm
50	5.0µm
22	20.0µm
33	30.0µm
55	50.0µm

No. 3

Code	End Cap
A	250mm DOE
B	254mm DOE
C	222 O-ring / Flat
D	226 O-ring / Flat
E	222 O-ring / Fin
F	226 O-ring / Fin
M	222 O-ring / Flat
K	334 O-ring / Flat

 ※ HV : Only D / M code
 UHV : Only K code

No. 4

Code	Length
1*	10"
2	20"
3	30"
4	40"

* HV/UHV

No. 6

Code	Special Option
C	UPW Cleaning
S	SUS ring Insertion
V	Vacuum Package
None	None O-ring

 ※ H : Only C/S/V code
 HV/UHV : Only C/V code

No. 5

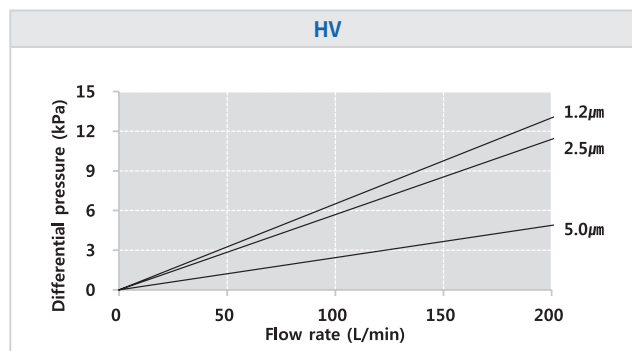
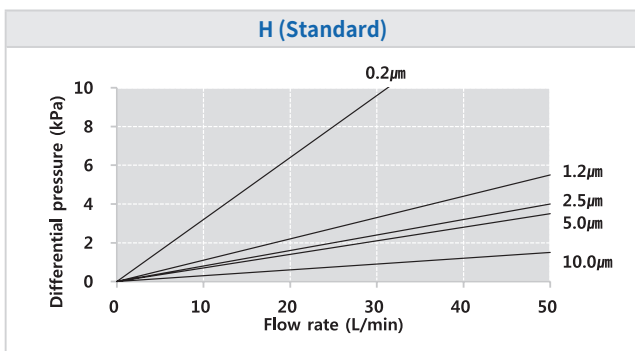
Code	O-ring / Gasket
E	EPDM
S	Silicone
T	TEV
V	Viton

※ UHV : Only E/T code

FLOMAX (Polypropylene)

HO (Pleated)

Pressure Drop vs Flow Rate (10" cartridge filter, Water 20°C)



Ordering Information

H (Standard)

1

HHOP

2

3

4

5

6

HV

1

VHOP

2

3

4

5

6

No. 1

Code	Grade
E	Electronic
P	Pharmaceutical
F	Food & Beverage
Blank	Others

No. 2

Code	Micron Rating
02	0.2μm
12	1.2μm
25	2.5μm
50	5.0μm
11	10.0μm

No. 3

Code	End Cap
A	250mm DOE
B	254mm DOE
C	222 O-ring / Flat
D	226 O-ring / Flat
E	222 O-ring / Fin
F	226 O-ring / Fin
M	222 O-ring / Flat

※ HV : Only D / M code

No. 4

Code	Length
1*	10"
2	20"
3	30"
4	40"

* HV

No. 6

Code	Special Option
C	UPW Cleaning
S	SUS ring Insertion
V	Vacuum Package
None	None O-ring

※ H : Only C/S/V code
HV : Only C/V code

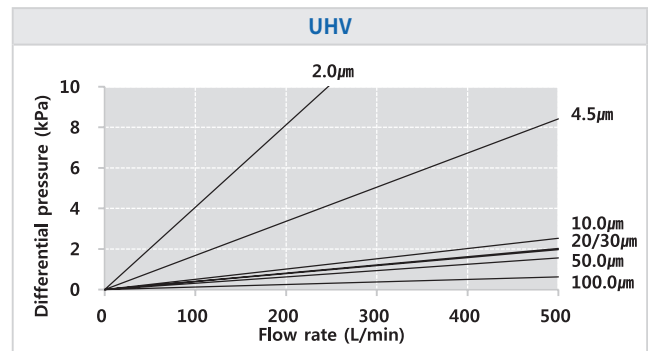
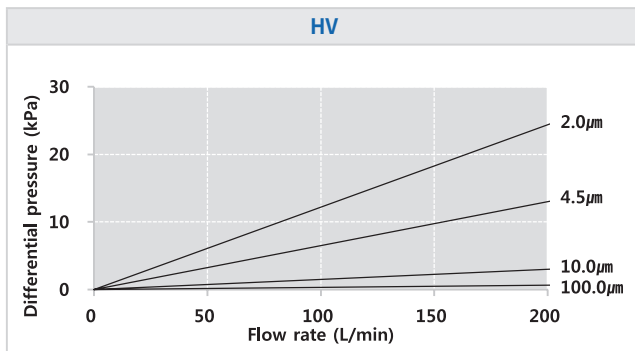
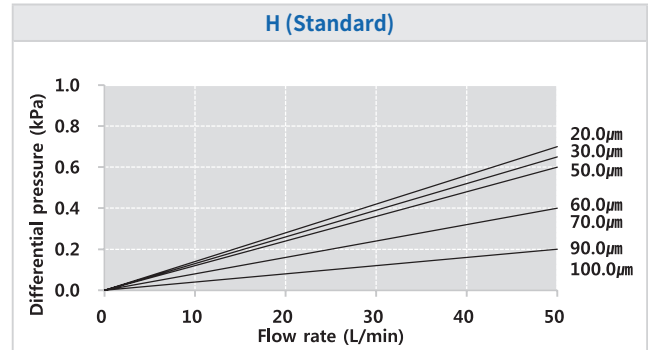
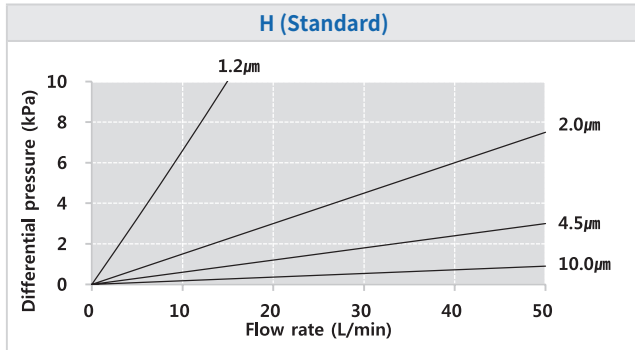
No. 5

Code	O-ring/Gasket
E	EPDM
S	Silicone
T	TEV
V	Viton

FLOMAX (Polypropylene)

PL (Pleated)

Pressure Drop vs Flow Rate (10" cartridge filter, Water 20°C)



Ordering Information

H (Standard)						HV						UHV						JUMBO									
1	HPLP	2	3	4	5	6	1	VPLP	2	3	4	5	6	1	UPLP	2	3	4	5	6	1	JPLP	2	3	4	5	6

No. 1

Code	Grade
E	Electronic
P	Pharmaceutical
F	Food & Beverage
Blank	Others

No. 2

Code	Micron Rating
12	1.2μm
20	2.0μm
45	4.5μm
11	10.0μm
22	20.0μm
33	30.0μm
55	50.0μm
66	60.0μm
77	70.0μm
99	90.0μm
1H	100.0μm

No. 3

Code	End Cap
A	250mm DOE
B	254mm DOE
C	222 O-ring / Flat
D	226 O-ring / Flat
E	222 O-ring / Fin
F	226 O-ring / Fin
M	222 O-ring / Flat
K	334 O-ring / Flat
H	435 O-ring / Flat

※ HV : Only D / M code
UHV : Only K code
JUMBO : Only H Code

No. 4

Code	Length
1*	10"
2**	20"
3	30"
4**	40"
6**	60"

* HV/UHV
** JUMBO

No. 5

Code	O-ring / Gasket
E	EPDM
S	Silicone
V	Viton
T	TEV

※ UHV : Only E/T code
JUMBO : Only E/T/V code

No. 6

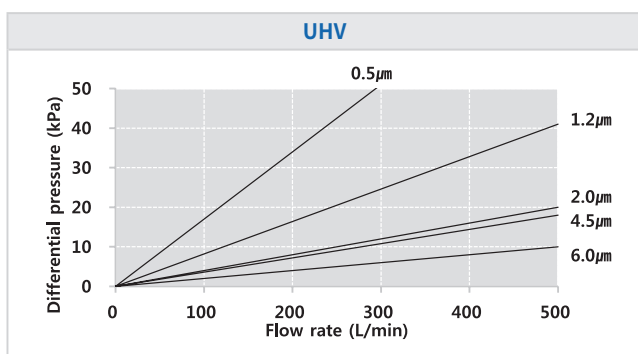
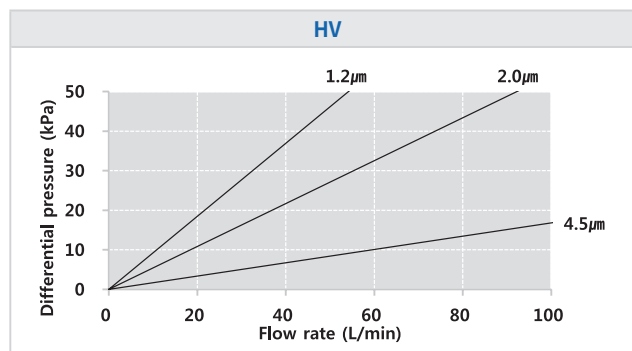
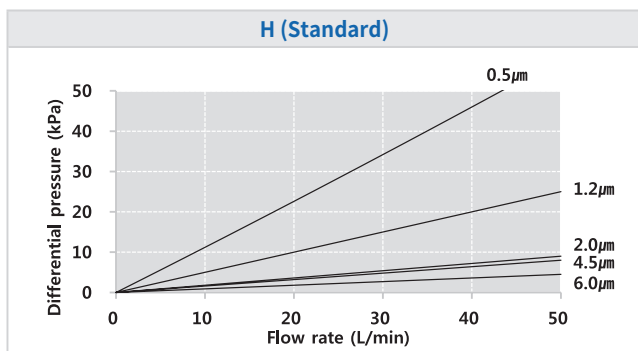
Code	Special Option
C	UPW Cleaning
S	SUS ring Insertion
U	U-Cup O-ring
V	Vacuum Package
None	None O-ring

※ H : Only C/S/V code
HV/UHV : Only C/V code
JUMBO : Only U code

FLOMAX (Polypropylene)

PI (Hybrid)

Pressure Drop vs Flow Rate (10" cartridge filter, Water 20°C)



Ordering Information

H (Standard)						HV						UHV						JUMBO									
1	HPIP	2	3	4	5	6	1	VPIP	2	3	4	5	6	1	UPIP	2	3	4	5	6	1	JPIP	2	3	4	5	6

No. 1

Code	Grade
E	Electronic
P	Pharmaceutical
F	Food & Beverage
Blank	Others

No. 2

Code	Micron Rating
05	0.5µm
12	1.2µm
20	2.0µm
45	4.5µm
60	6.0µm

No. 3

Code	End Cap
A	250mm DOE
B	254mm DOE
C	222 O-ring / Flat
D	226 O-ring / Flat
E	222 O-ring / Fin
F	226 O-ring / Fin
M	222 O-ring / Flat
K	334 O-ring / Flat
H	435 O-ring / Flat

No. 4

Code	Length
1*	10"
2**	20"
3	30"
4**	40"
6**	60"

* HV/UHV
** JUMBO

No. 5

Code	O-ring/Gasket
E	EPDM
S	Silicone
V	Viton
T	TEV

* UHV : Only E/T code
JUMBO : Only E/T/V code

No. 6

Code	Special Option
C	UPW Cleaning
S	SUS ring Insertion
U	U-Cup O-ring
V	Vacuum Package
None	None O-ring

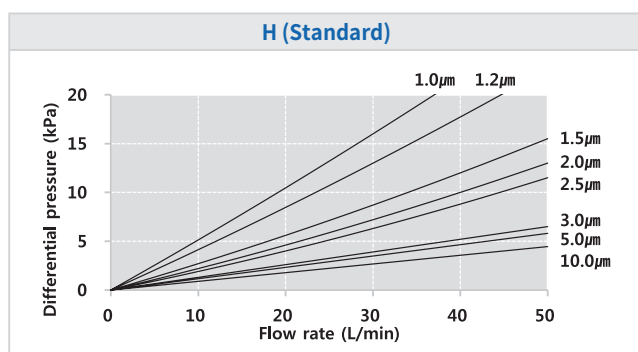
* H : Only C/S/V code
HV/UHV : Only C/V code
JUMBO : Only U code

* HV : Only D / M code
UHV : Only K code
JUMBO : Only H Code

FLOMAX (Polypropylene)

PX (Hybrid)

Pressure Drop vs Flow Rate (10" cartridge filter, Water 20°C)



Ordering Information

H (Standard)

1 HPXP 2 3 4 5 6

No. 1

Code	Grade
E	Electronic
P	Pharmaceutical
F	Food & Beverage
Blank	Others

No. 2

Code	Micron Rating
10	1.0µm
12	1.2µm
15	1.5µm
20	2.0µm
25	2.5µm
30	3.0µm
50	5.0µm
11	10.0µm
33	30.0µm

No. 3

Code	End Cap
A	250mm DOE
B	254mm DOE
C	222 O-ring / Flat
D	226 O-ring / Flat
E	222 O-ring / Fin
F	226 O-ring / Fin
M	222 O-ring / Flat

No. 4

Code	Length
1	10"
2	20"
3	30"
4	40"

No. 6

Code	Special Option
C	UPW Cleaning
S	SUS ring Insertion
V	Vacuum Package
None	None O-ring

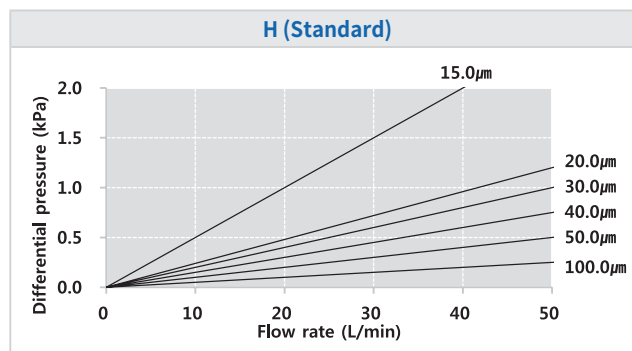
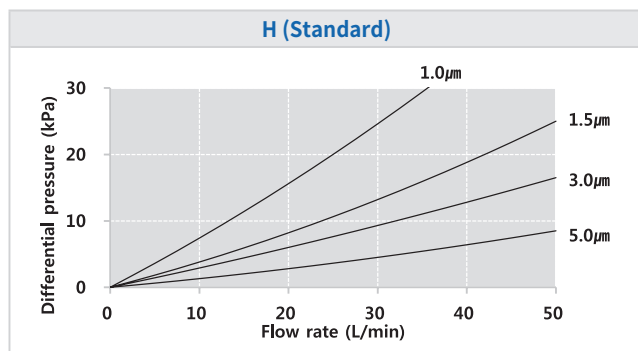
No. 5

Code	O-ring/Gasket
E	EPDM
S	Silicone
T	TEV
V	Viton

FLOMAX (Polypropylene)

PD (Hybrid)

Pressure Drop vs Flow Rate (10" cartridge filter, Water 20°C)



Ordering Information

H (Standard)

1 HPDP 2 3 4 5 6

No. 1

Code	Grade
E	Electronic
P	Pharmaceutical
F	Food & Beverage
Blank	Others

No. 2

Code	Micron Rating
10	1.0 μm
15	1.5 μm
30	3.0 μm
50	5.0 μm
1F	15.0 μm
22	20.0 μm
33	30.0 μm
44	40.0 μm
55	50.0 μm
1H	100.0 μm

No. 3

Code	End Cap
A	250mm DOE
B	254mm DOE
C	222 O-ring / Flat
D	226 O-ring / Flat
E	222 O-ring / Fin
F	226 O-ring / Fin
M	222 O-ring / Flat

No. 4

Code	Length
1	10"
2	20"
3	30"
4	40"

No. 6

Code	Special Option
C	UPW Cleaning
S	SUS ring Insertion
V	Vacuum Package
None	None O-ring

No. 5

Code	O-ring/Gasket
E	EPDM
S	Silicone
T	TEV
V	Viton