

CHEMICAL FILTER



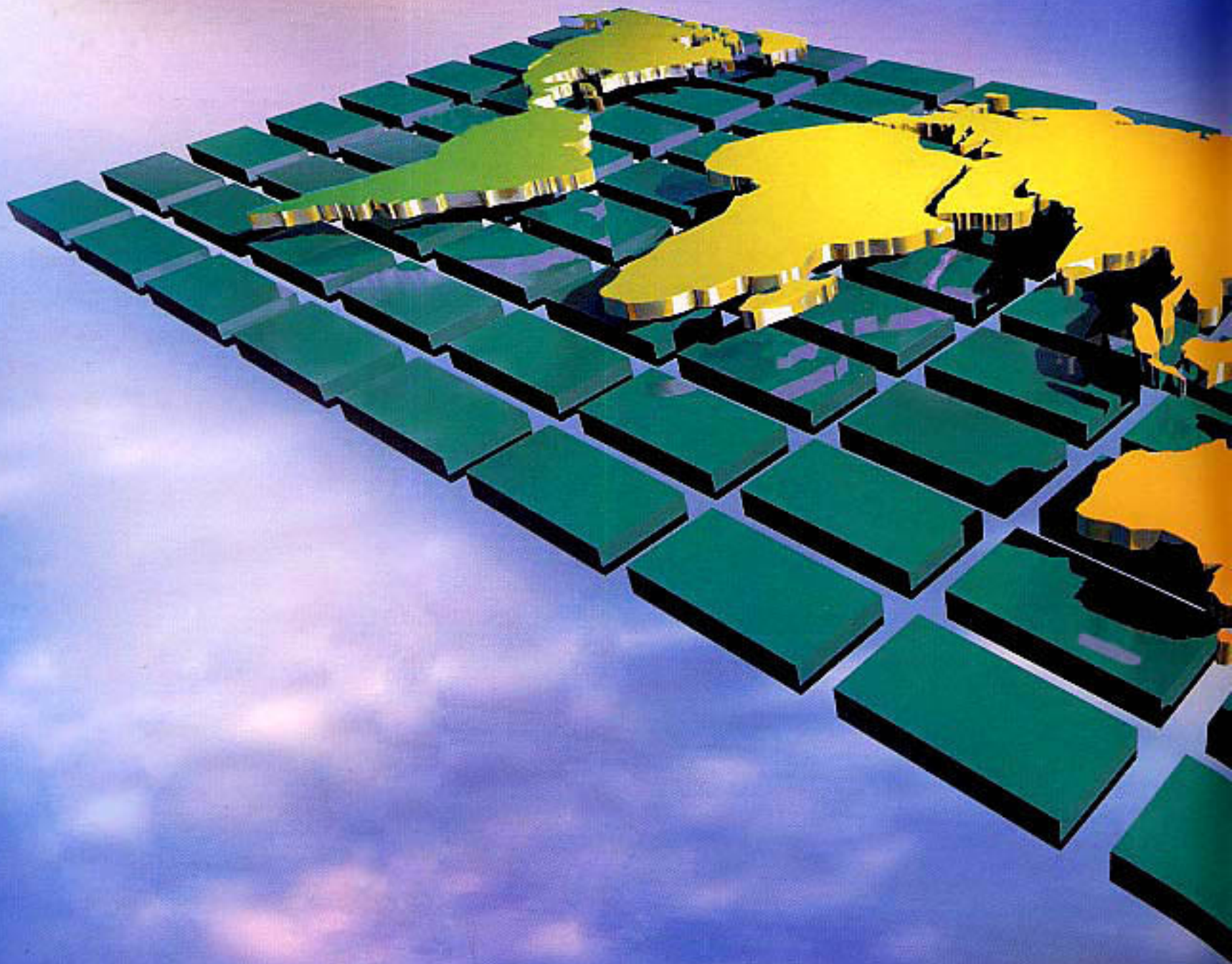
The Most Comprehensive Range Of Chemical Filters Quality proven... Designed And Engineered To Meet Your Needs.

Based on the company philosophy of "Innovative Design, Technology Leadership", Zi Yi continuously design and manufacture a wide variety of acid and alkaline resistant pumps. Through extensive experience, professional technological background and theoretical research, Zi Yi chemical filters have won many awards for the technological innovations. Their exclusive filtering performance fully reflect Zi Yi's outstanding engineering capability and its total dedication to pursuance of advanced technology.

One of the reasons for the high reputation of Zi Yi chemical filter in the global market is our outstanding R & D capability. Since established, Zi Yi has spent great efforts in developing global market. Through the years of efforts, Zi Yi has established a comprehensive sales networks in over 22 countries, and its chemical filters are fully satisfied to all customers.



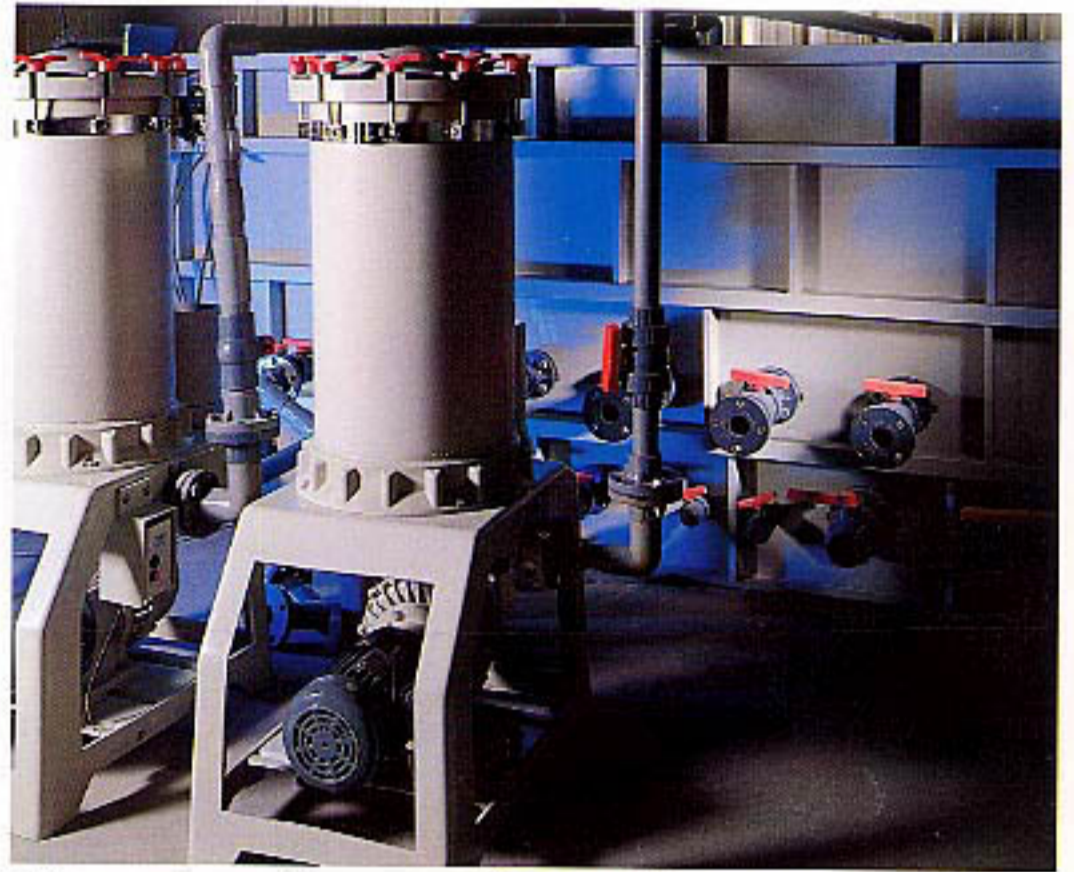
Zi Yi chemical filters



Chemical Filter Designed To



...s are patented in many countries.

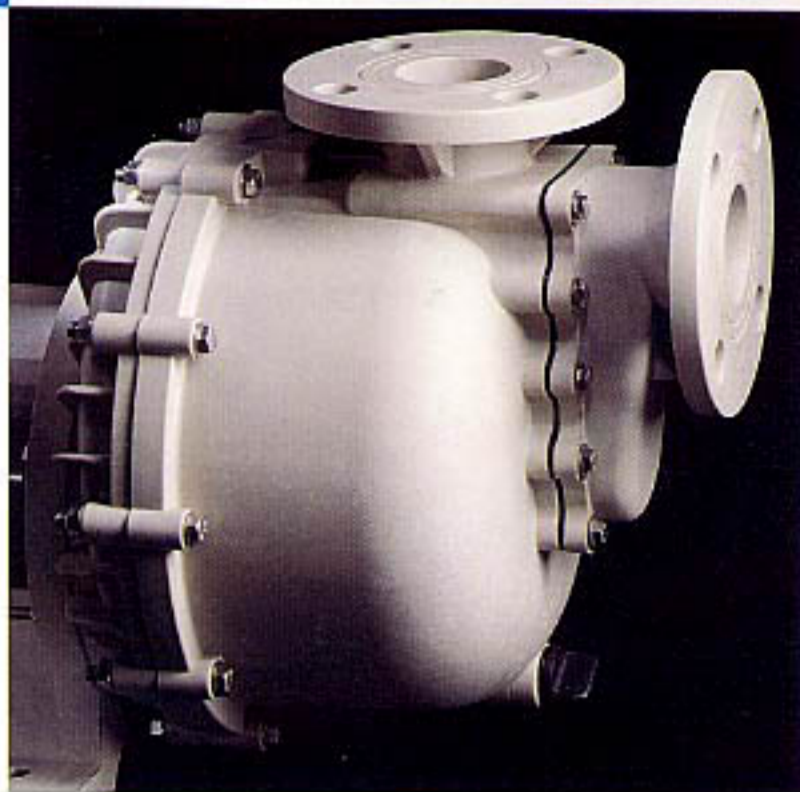


Rigorous quality control is a tradition at Zi Yi. Each chemical filter is subject to rigorous quality inspection prior to shipment. The comprehensive tests include filtering, performance, liquid pressure, leakage and pressure....All these ensure the maximum dependability of performance for each chemical filter from Zi Yi.

CE CERTIFICATION PENDING
ISO 9002 PENDING

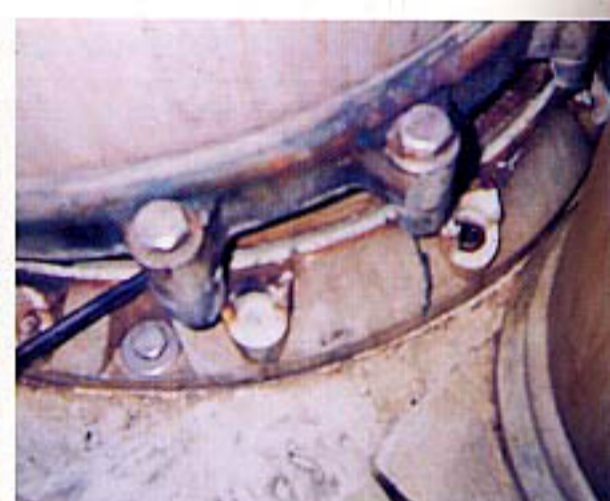
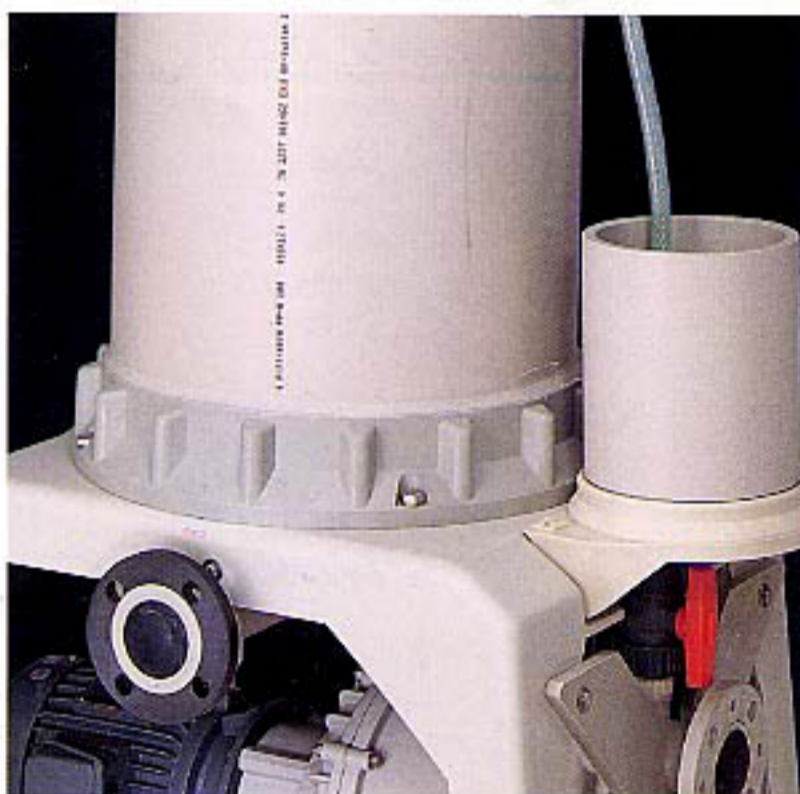


ZI YI Chemical Filter-Innovative Technology...Exclusive Performance

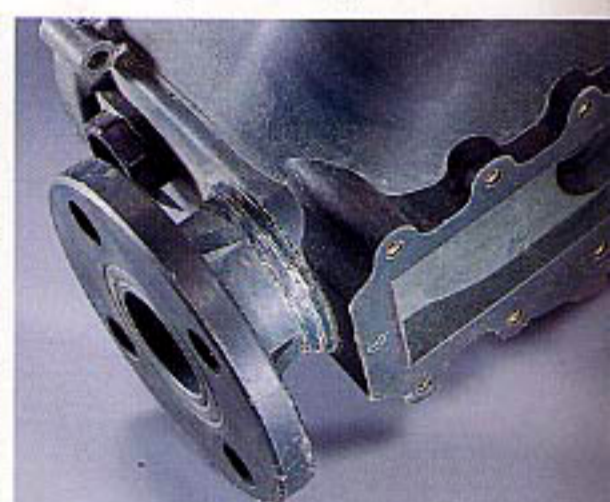
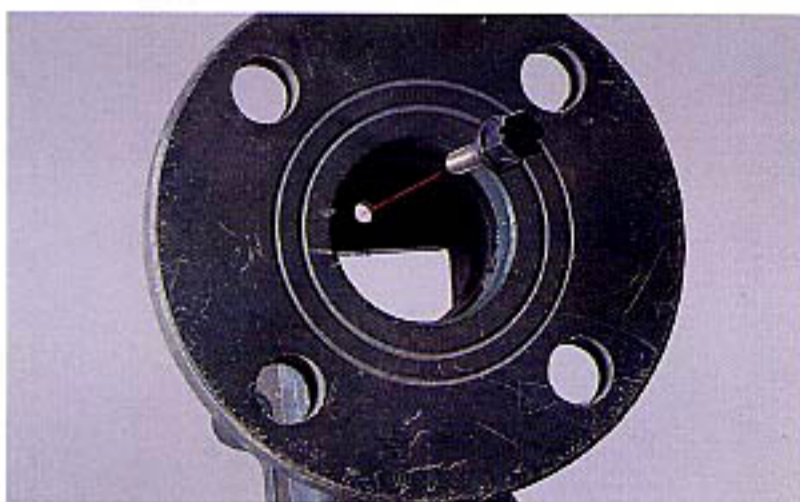


The pump body is manufactured from PVDF and CFRPP, FRPP. The body and upper self-priming barrel are one piece injected without welding, for leakfree performance.

The front self priming barrel is manufactured from PVDF and CFRPP, FRPP. The flange and front self priming barrel are one piece injected without welding that greatly upgrades durability, and ensures leakfree performance.



- ▲ Are you confident with quality like this? the conventional filter is injection molded and tightened by screws. After a long period of operation, material is affected that causing leakage problem. A continuous operation may result in explosion, liquid leakage or even serious injury that just like a timing bomb.
- ◀ Specially designed barrel with patented tightening design provides explosion-free performance, maximum durability and safety.

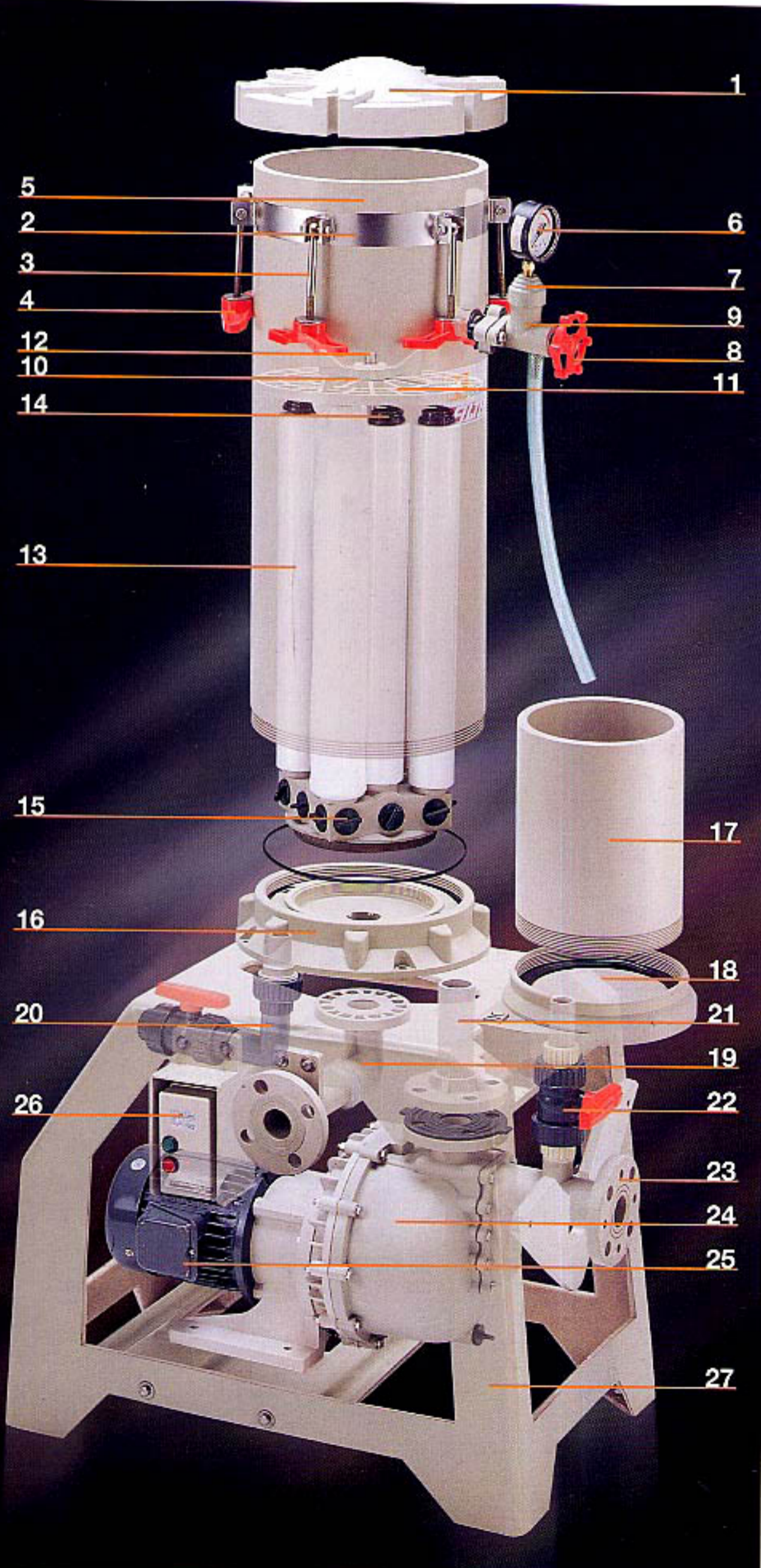


POOR SELF PRIMING BARREL

1. The self priming barrel can't be sealed with pump body. An additional screw shall be fitted in the inlet port for sealing purpose.
2. In case of over-tightening of screw may cause glue on screw peeling off.
3. If screw fall into the pump, it needs to dispatch the pump and reassemble.

The conventional method is to weld the flange on the front self priming barrel, that may cause leakage and poor durability, and seal damage due to dry running.

The conventional method is to weld the upper self priming barrel on the pump body, which may cause leakage at the welded position.



- | | | |
|---|-----------|------------------------------|
|  | 1 | Uppercover |
|  | 2 | SUS clamp |
|  | 3 | SUS screw |
|  | 4 | Red handle |
|  | 5 | Filter body |
|  | 6 | Pressure gauge |
|  | 7 | Pressure gauge holder |
|  | 8 | Exhaust valve |
|  | 9 | Exhaust valve body |
|  | 10 | Core shaft nut |
|  | 11 | Clamp |
|  | 12 | Core shaft |
|  | 13 | Core filter |
|  | 14 | Upper seat spring |
|  | 15 | Core filter stand |
|  | 16 | Filter lower cover |
|  | 17 | Active carbon mixing tank |
|  | 18 | Mixing tank seat |
|  | 19 | Outlet(movable flange) |
|  | 20 | Claning outlet |
|  | 21 | Filter inlet(movable flauge) |
|  | 22 | Mixing tank switch |
|  | 23 | Pump suction inlet |
|  | 24 | Pump body |
|  | 25 | Motor |
|  | 26 | Magnetic switch with guard |
|  | 27 | Filter stand |

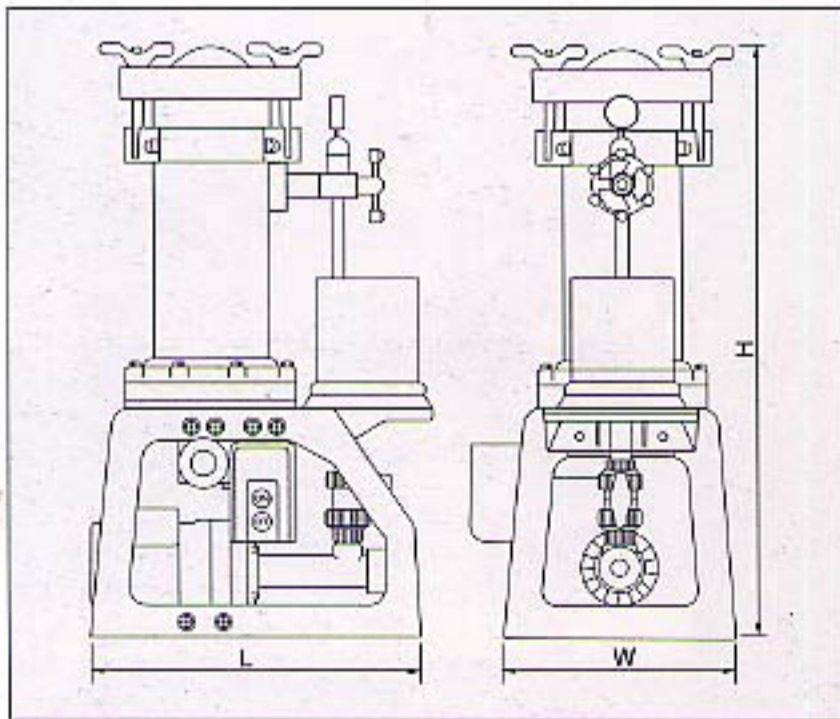
KS series

CHEMICAL FILTER

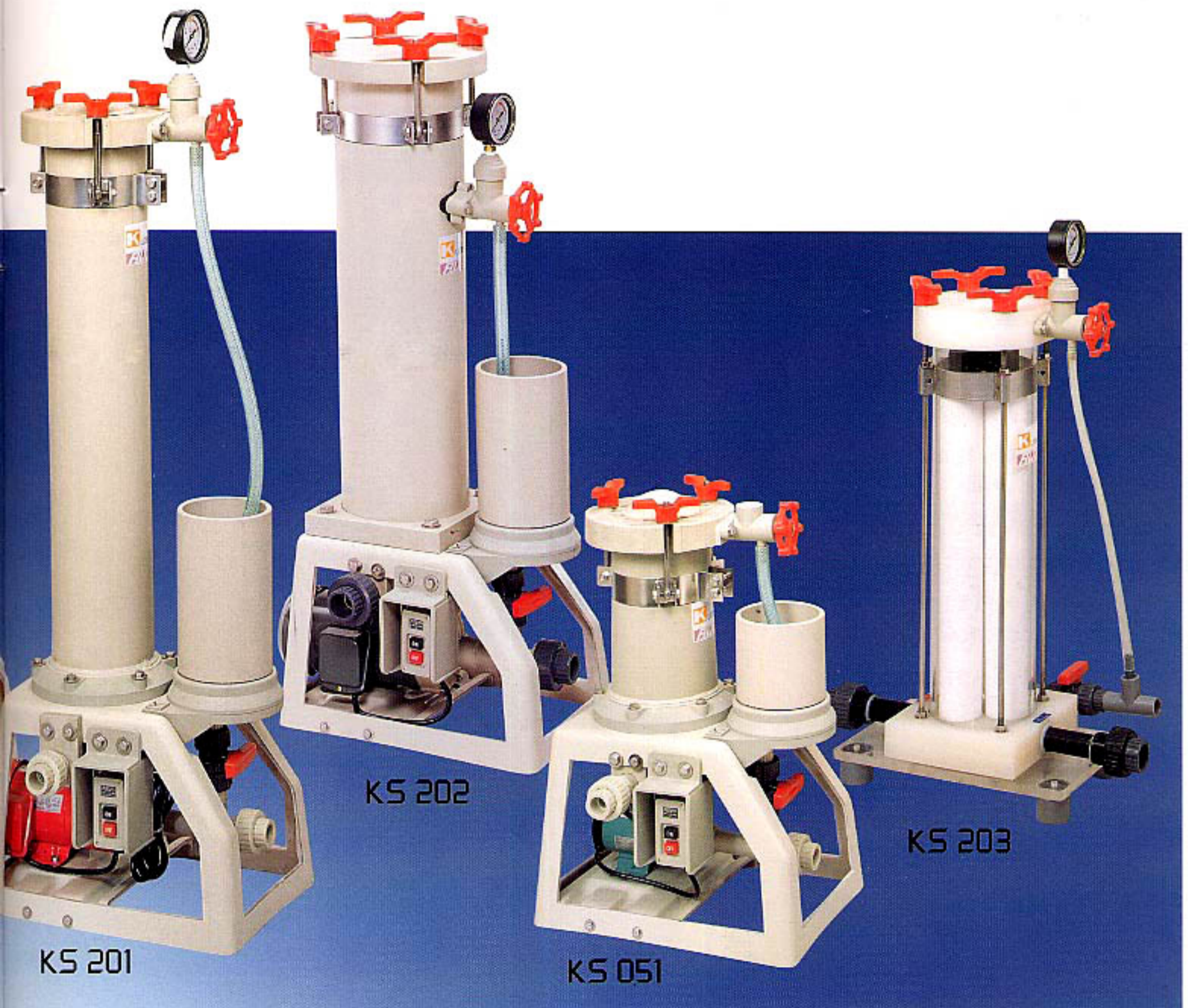
FEATURES:

1. Excellent for circulated filtering operations for plating liquid, chemical liquid, and pure water.
2. Employs the Japanese imported non-seal pump for leak free performance.
3. The core filtering with bellow shaped filtering cloth provides high precision with wide area filtering, high efficiency, easy to operate and clean.
4. The filter body is manufactured from PP plastic steel, Choice of PP or acrylic filtering drum.
5. Transparent acrylic resists temperature up to 60°C.
6. Furnished with 5 feet each inlet and outlet flexible hose and 1 bottom valve.

DIMENSIONAL DRAWING



KS	-	101	P	U	N	-	B	-	J
MODE NO.									
101:SERIES 10"X1									J:IN-OUTLET (JIS)
201:SERIES 20"X1									D:IN-OUTLET (DIN)
102:SERIES 10"X2									A:IN-OUTLET (ANSI)
202:SERIES 20"X2									B:LOCK CORE FILTER
202:SERIES 20"X3									N:PACKING SEALED NBR
051:SERIES 0.5"X1									V:PACKING SEALED VITON
			P: Pump frame material FRPP						U: INLET/ OUTLET UNION CONNECTOR
			C: Pump frame material CFRPP						H: INLET/ OUTLET SLEEVE TYPE

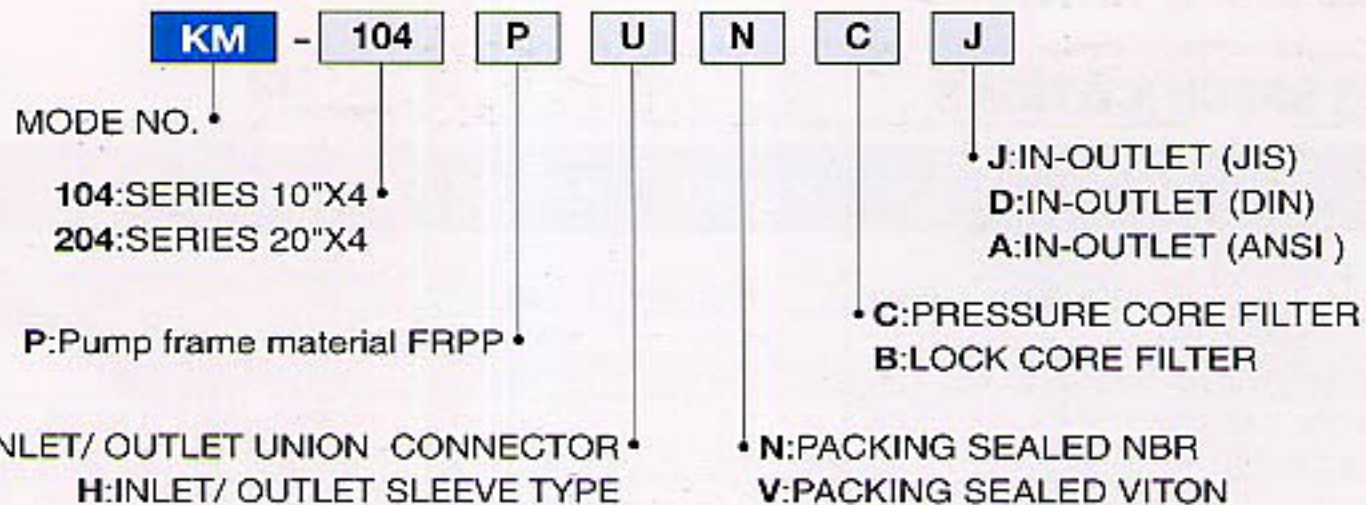


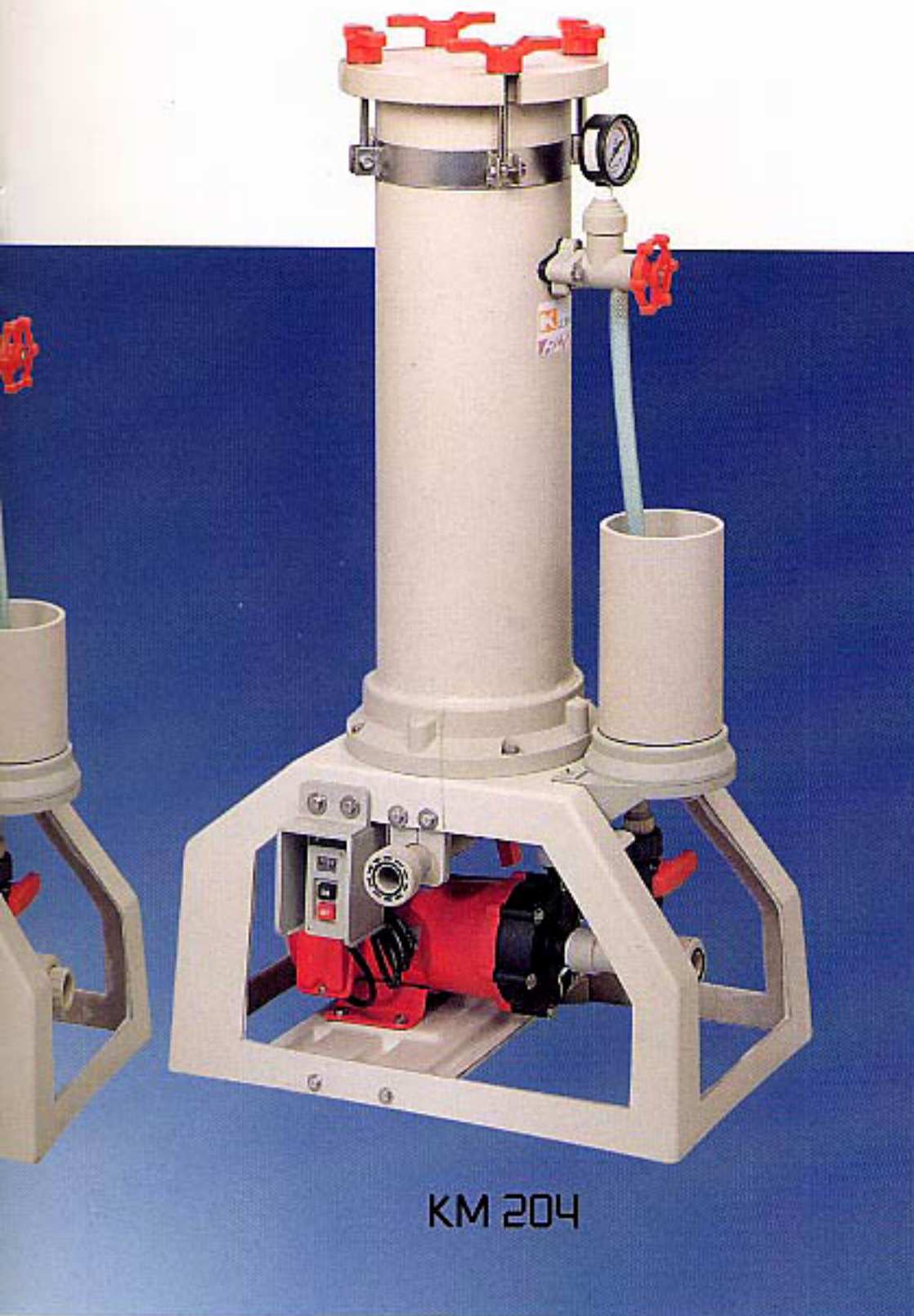
KS SERIES SPECIFICATIONS

MODEL		KS-101	KS-201	KS-102	KS-202	KS-051	KS-203
Temperature range (°C)	PP Filtering drum	70	70	70	70	70	70
	Acrylic filtering drum	60	60	60	60	60	60
Pump motor 50/60HZ(W)		30/45	65/100	65/100	85/150	30/35	-
Applicable electrode plated tank (ℓ)		200	400	400	600	-	-
Filtering capacity (ℓ/min)		15	30	30	60	10	-
Core numbers (piece)		10"x1	20"x1	10"x2	20"x2	0.5"x1	20"x3
Filtering area m ²		0.125	0.25	0.25	0.5	0.07	0.75
Inlet / Outlet port (")		1/2"	1/2"	1/2"	3/4"	1/2"	1"
Dimensions	L	mm	396	396	396	-	570
	W	mm	295	295	295	-	310
	H	mm	735	1060	735	1060	900
Weight (kg)			15	17	17.5	24	13

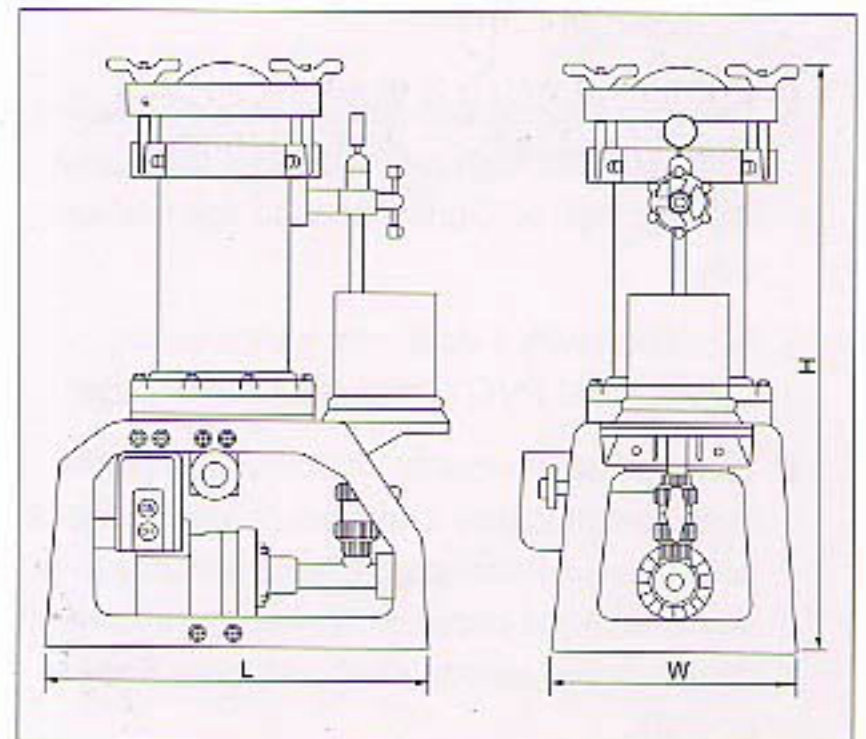
FEATURES:

1. Excellent for circulated filtering operations for plating liquid, chemical liquid, and pure water.
2. Employs the Japanese imported non-seal pump for leak free performance.
3. The core filtering with bellow shaped filtering cloth provides high precision with wide area filtering, high efficiency, easy to operate and clean.
4. The filter body is manufactured from PP plastic steel.
5. Transparent acrylic resists temperature up to 60°C.
6. Furnished with 5 feet each inlet and outlet flexible hose and 1 bottom valve.





DIMENSIONAL DRAWING



KM SERIES SPECIFICATIONS

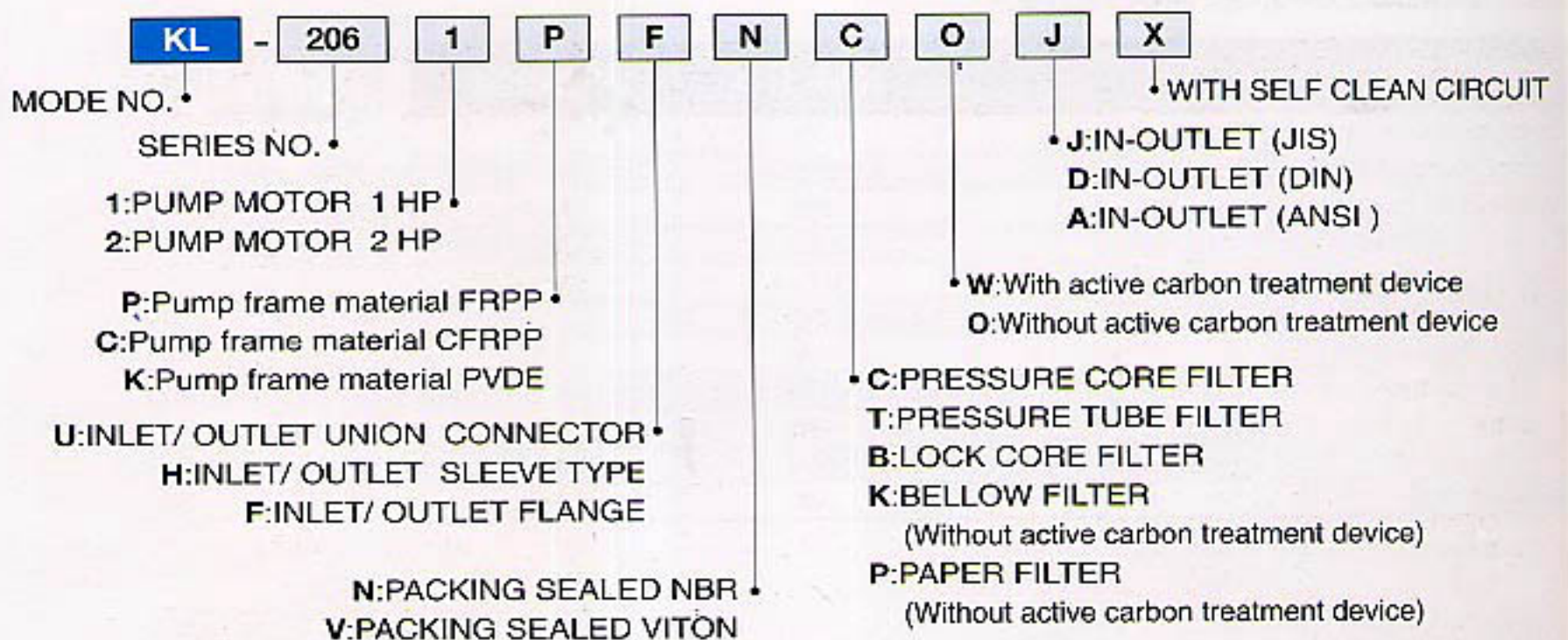
MODEL		KM-104	KM-204
Temperature range (°C)		70	70
Pump motor 50/60HZ(W)		85/150	150/260
Applicable electrode plated tank (ℓ)		600	800
Filtering capacity (ℓ/min)		60	80
Core numbers (piece)		10"x4	20"x4
Filtering area m ²		0.5	1
Inlet / Outlet port (")		3/4"	1"
Dimensions	L	mm	570
	W	mm	365
	H	mm	800
Weight (kg)		28	30

FEATURES:

1. A versatile filter provides outstanding performance. Choice of various filtering elements to meet specific filtering requirements.
2. The filter body is injection molded from FRPP plastic steel, Featuring high temperature resistance and acid/alkaline resistance.
3. In the event of motor overload or single phase running, power shut off automatically.
4. Humanified design with modular structure ensures 100% interchangeability. Easy to change for various filtering elements.
5. Motor guard avoids corrosion in acid environment.
6. The core filtering with bellow shaped filtering cloth provides high precision with wide area filtering, high efficiency, easy to operate and clean.
7. Furnished with 1 bottom or check valve, 1 PVC, 1 set PVC inlet/outlet or PP flange.
8. Various filter elements for choice; pressure core filter, pressure tube filter, bellow filter, lock core filter, and filter paper. Also available to fit self-circulation circuit, active carbon treatment device, active carbon shaft with core. Easy to operate.



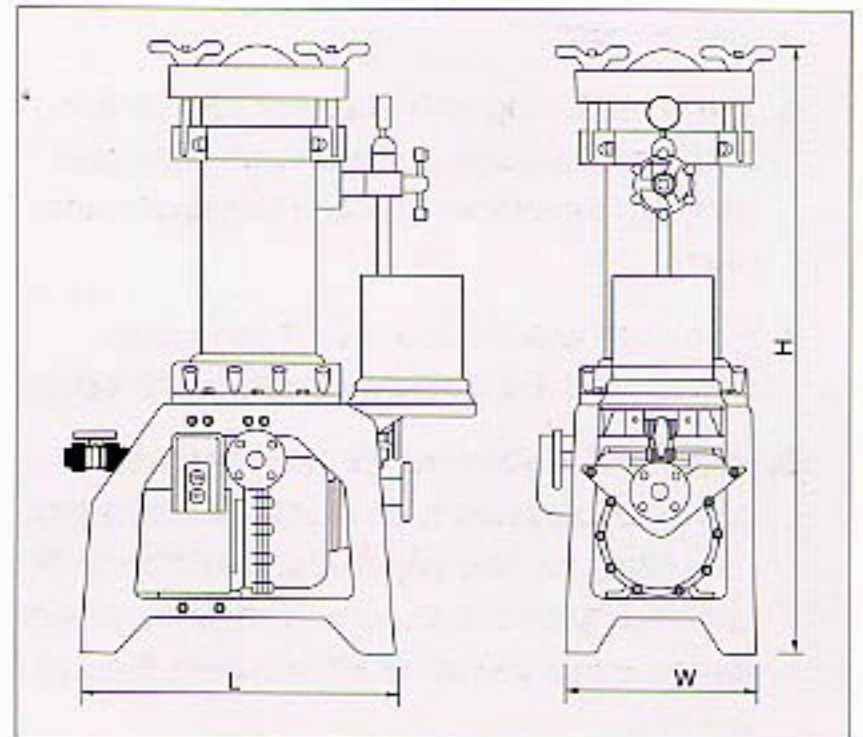
KL 206-1





KL 208-1 · KL 208-2

DIMENSIONAL DRAWING

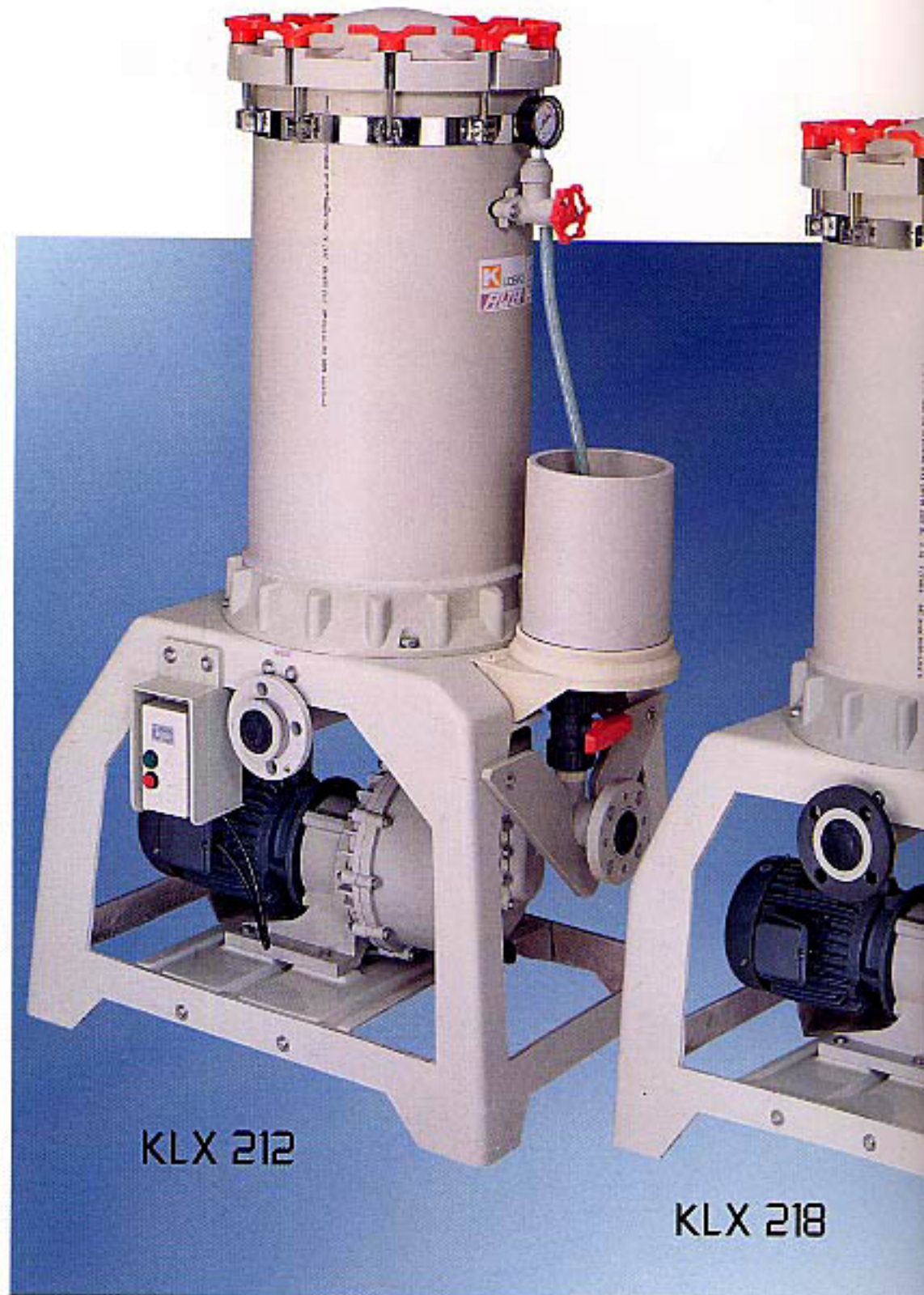


KL SERIES SPECIFICATIONS

MODEL	KL-206-1	KL-208-1	KL-208-2
Temperature range (°C)	70	70	70
Pump motor (HP)	1	1	2
Material of filter drum	PP	PP	PP
Filter material	Core type	20"x6	20"x8
	Tube type	20"x6	20"x8
	Bellow type	1 Set	1 Set
	Paper type	1 Set	1 Set
Applicable electrode plated tank (ton)	1-2	1-2	1.5-3
Filtering capacity (ℓ/min)	150	180	220
Filtering area m ²	Core type	1.5	2
	Tube type	0.7	0.9
	Bellow type	1.1	1.7
	Paper type	-	-
Inlet / Outlet port (")	1-1/2"	1-1/2"	1-1/2"
Dimensions LxWxH mm	735x455x1430	735x455x1430	735x455x1430
Weight (kg)	70	77	81

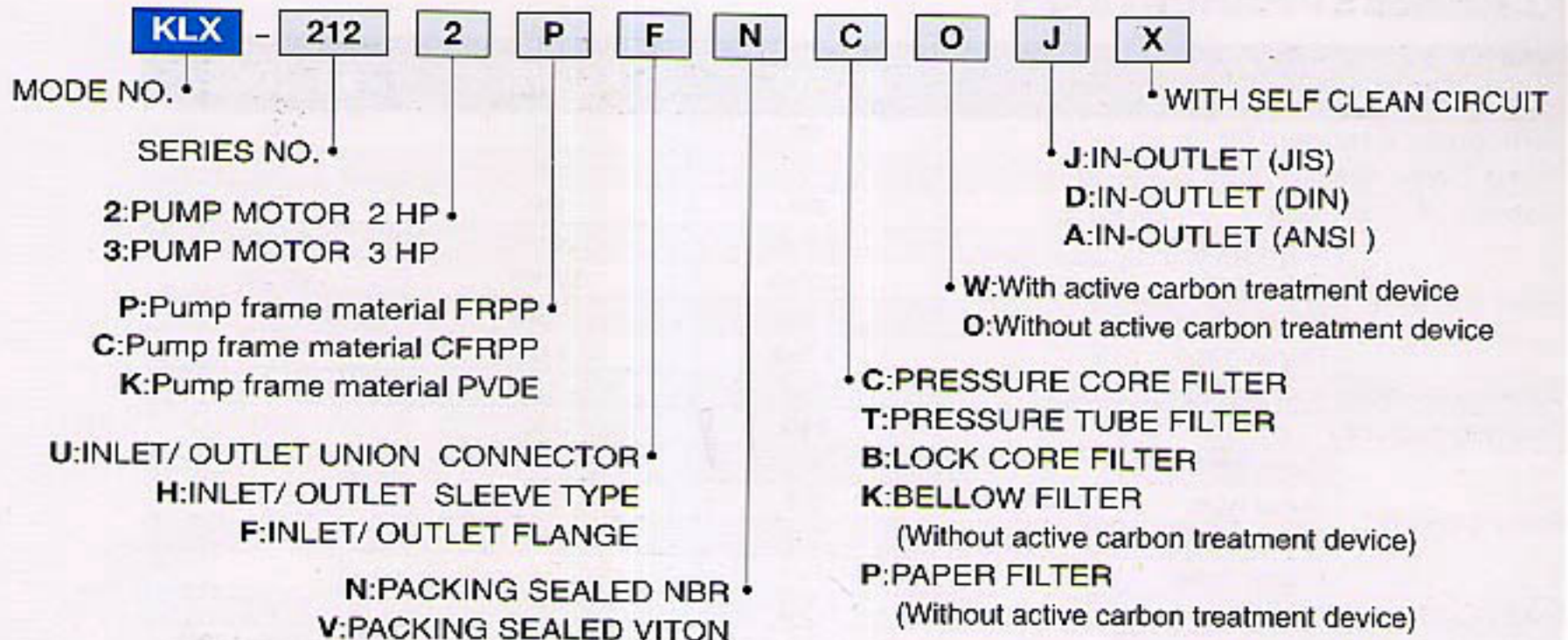
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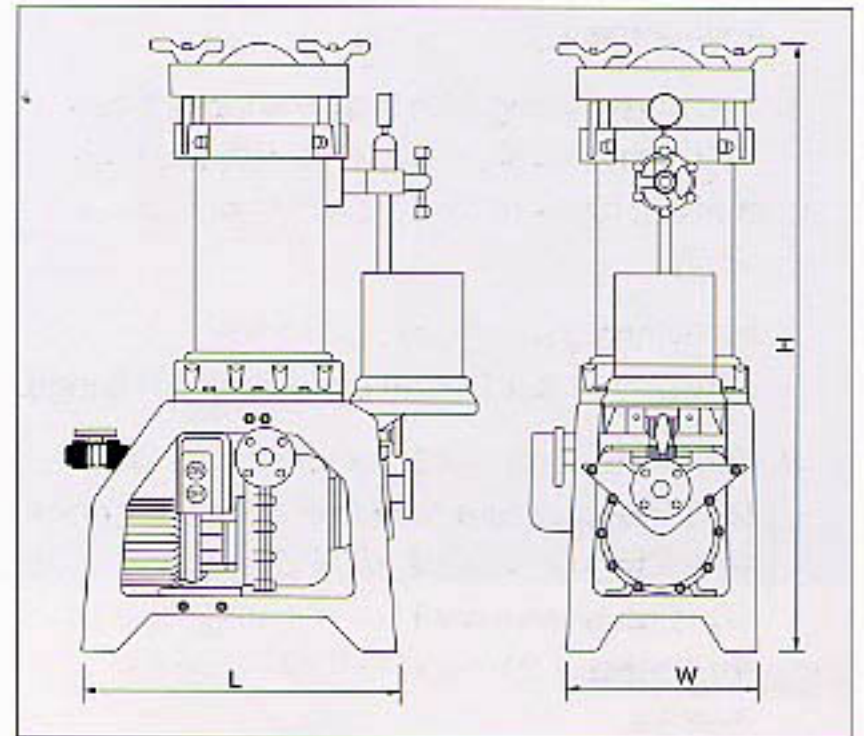
KLX 212

KLX 218





DIMENSIONAL DRAWING



KLX SERIES SPECIFICATIONS

MODEL	KLX-212	KLX-218	KLX-318
Temperature range (°C)	70	70	70
Pump motor (HP)	2	3	3
Material of filter drum	PP	PP	PP
Filter material	Core type	20"x12	20"x18
	Tube type	20"x12	20"x18
	Bellow type	1 Set	1 Set
	Paper type	1 Set	360x50片
Applicable electrode plated tank (ton)	2.5-4	4-6.5	6-7.5
Filtering capacity (ℓ/min)	220	330	400
Filtering area m ²	Core type	3	4.5
	Tube type	1.3	2
	Bellow type	2.4	4.4
	Paper type	-	5.4
Inlet / Outlet port (")	1-1/2"	2"	2"
Dimensions LxWxH mm	825x540x1495	825x585x1500	825x585x1760
Weight (kg)	97	117	125

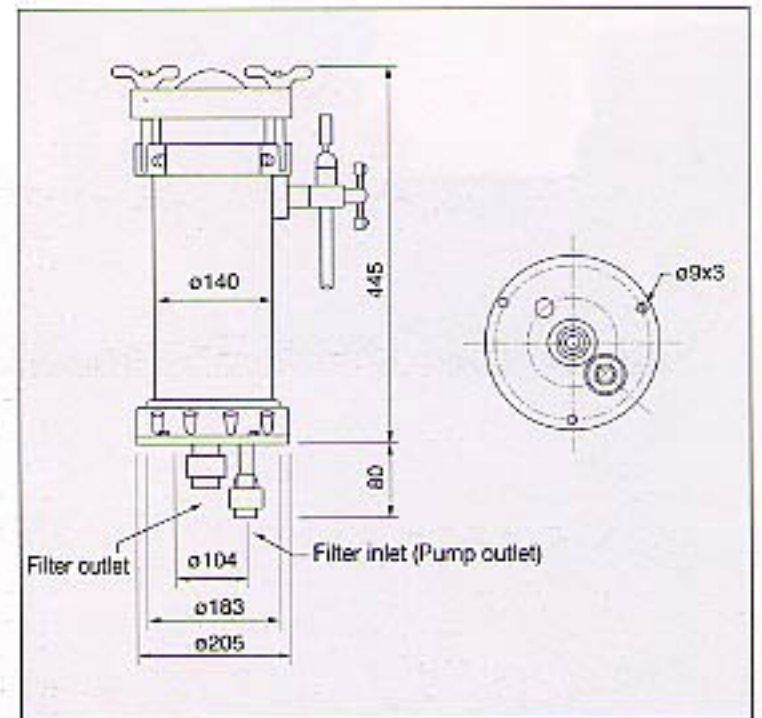
FA series

CHEMICAL FILTER

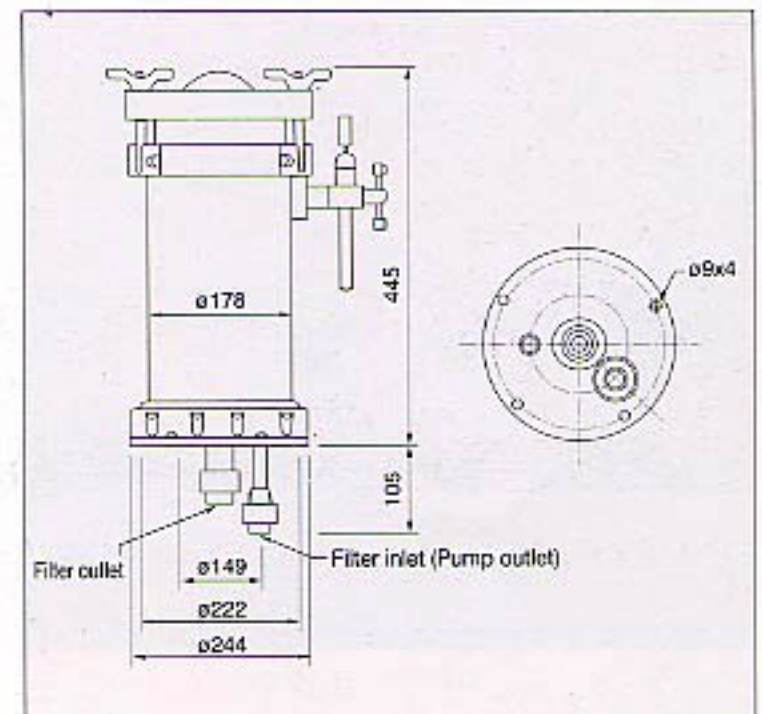


DIMENSIONAL DRAWING

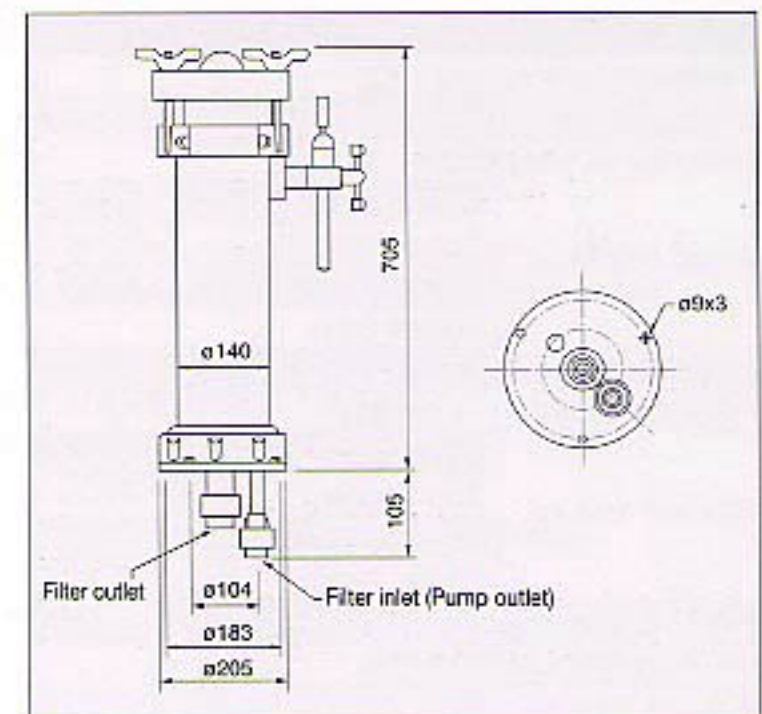
FA 101 IN-OUTLET 1/2"x1/2" (UNION CONNECTOR)



FA 102 IN-OUTLET 1/2"x1/2" (UNION CONNECTOR)

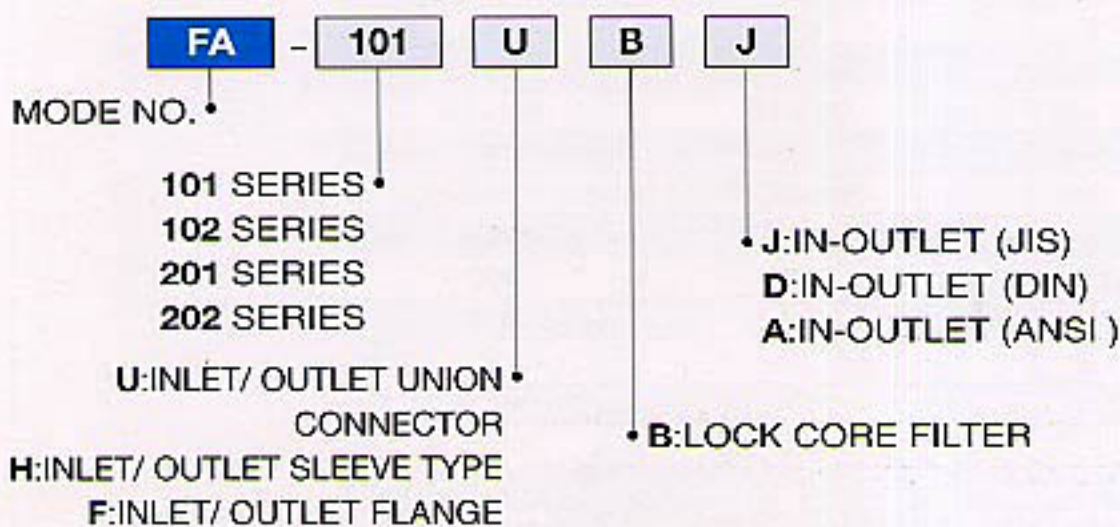


FA 201 IN-OUTLET 1/2"x1/2" (UNION CONNECTOR)



FEATURES:

1. The filter body is injection molded from plastic steel, featuring high temperature resistance and acid/alkaline resistance.
2. Choice of various filter cores such as bellow, pressure and lock type.



FD series

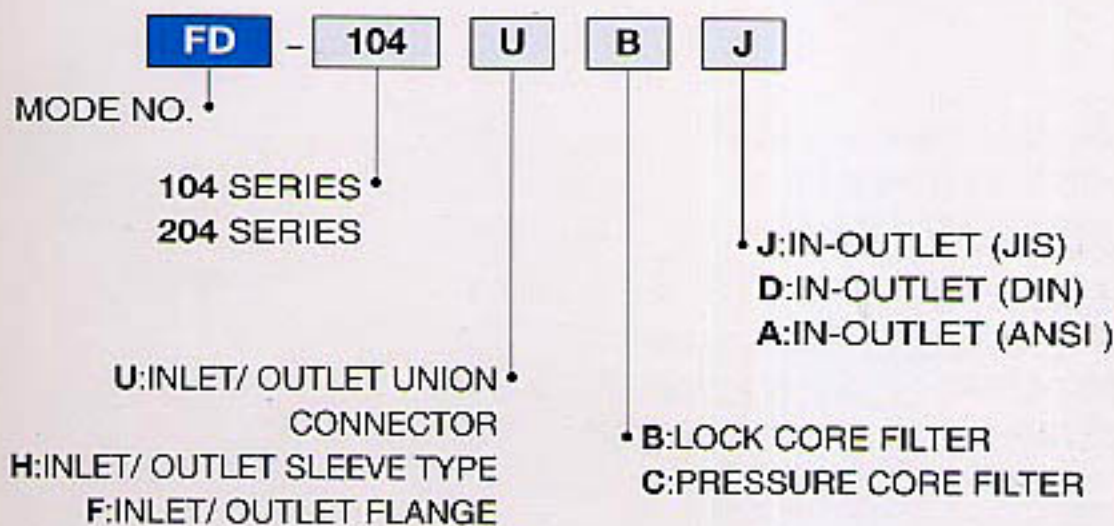
CHEMICAL FILTER



FD 204

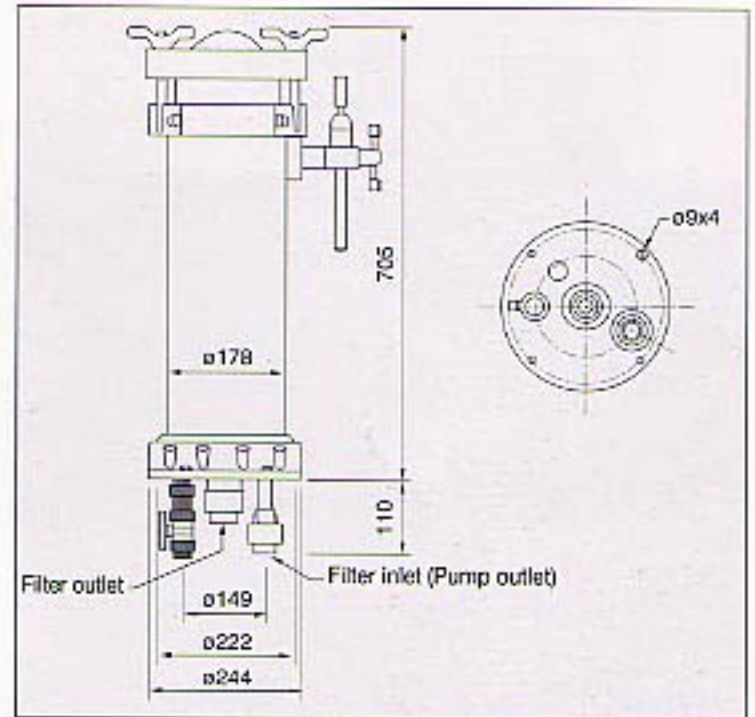
FEATURES:

1. The filter body is injection molded from plastic steel, featuring high temperature resistance and acid/alkaline resistance.
2. Choice of various filter cores such as bellow, pressure and lock type.

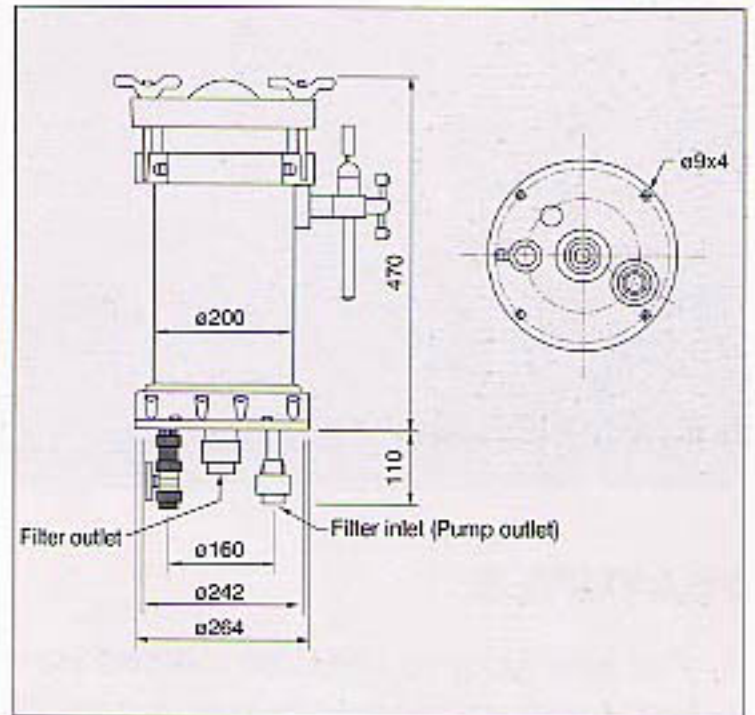


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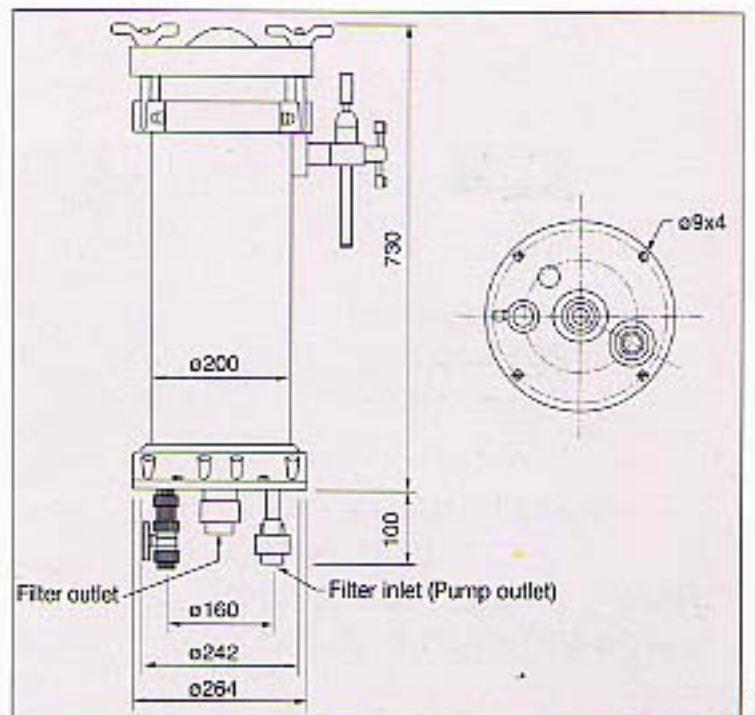
FA 202 IN-OUTLET 3/4"x3/4" (UNION CONNECTOR)



FD 104 IN-OUTLET 3/4"x3/4" (UNION CONNECTOR)



FD 204 IN-OUTLET 1"x1" (UNION CONNECTOR)



FK series

CHEMICAL FILTER

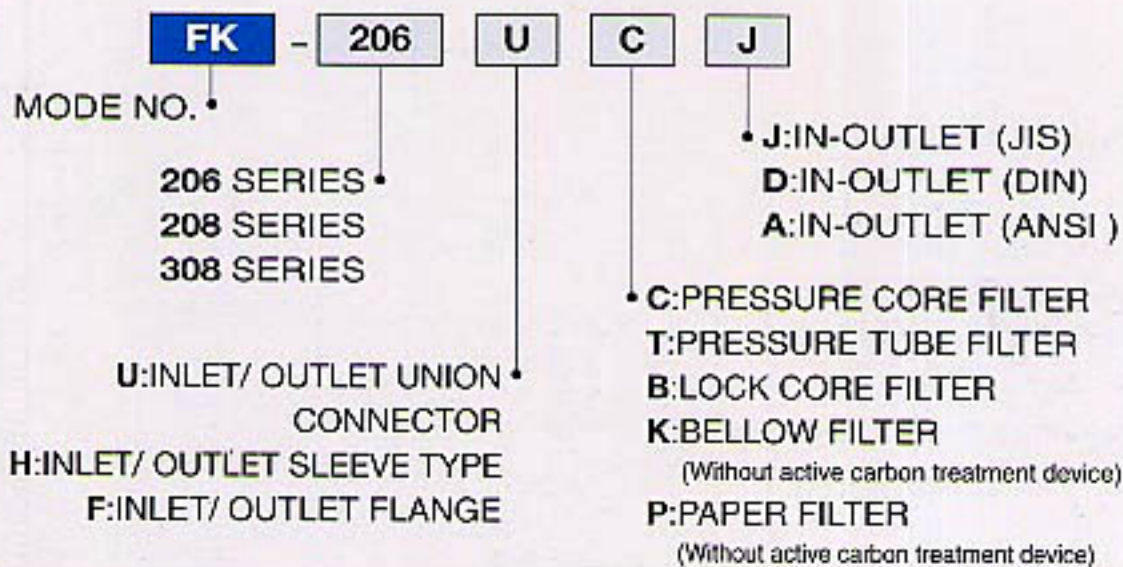


FK 206

FK 208

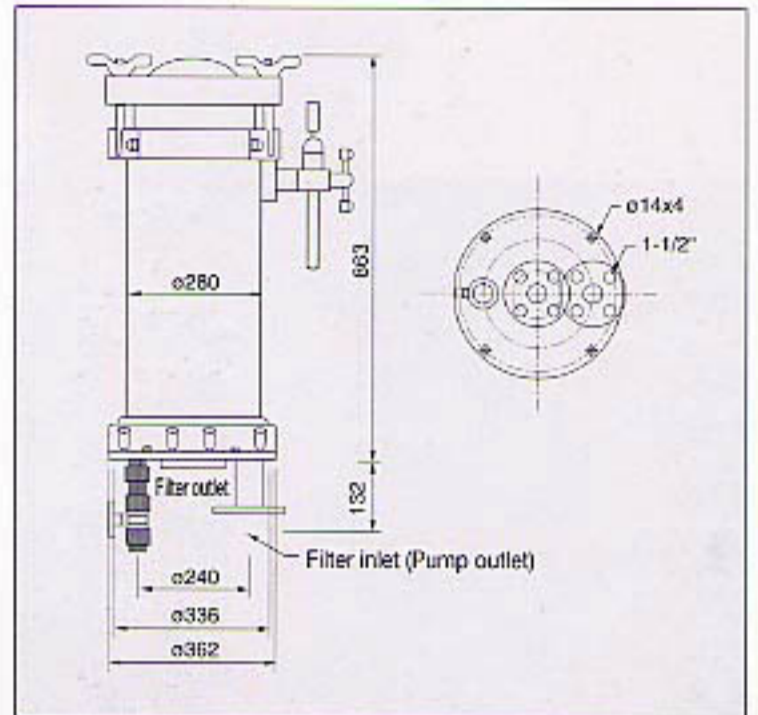
FEATURES:

1. The filter body is injection molded from plastic steel, featuring high temperature resistance and acid/alkaline resistance.
2. Choice of various filter cores such as bellow, pressure and lock type.

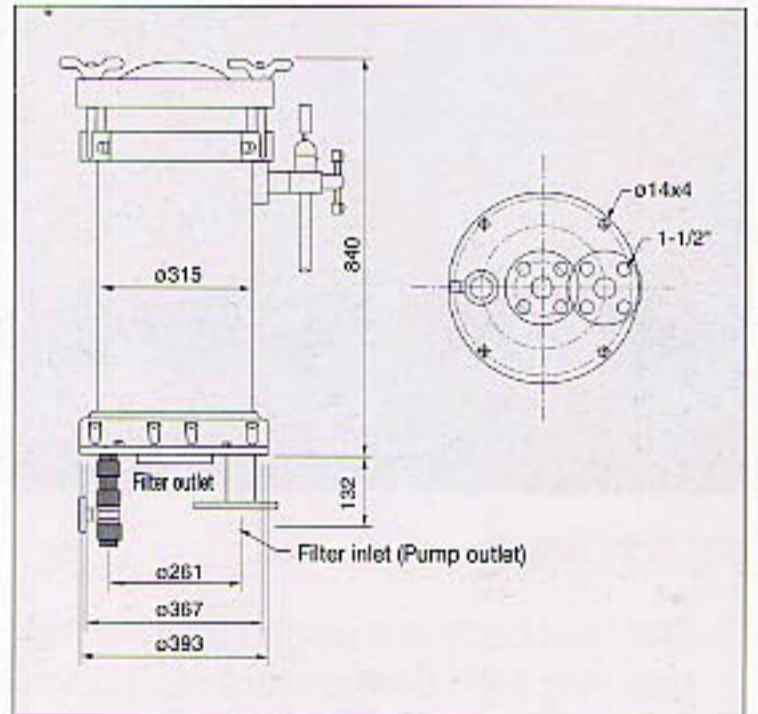


DIMENSIONAL DRAWING

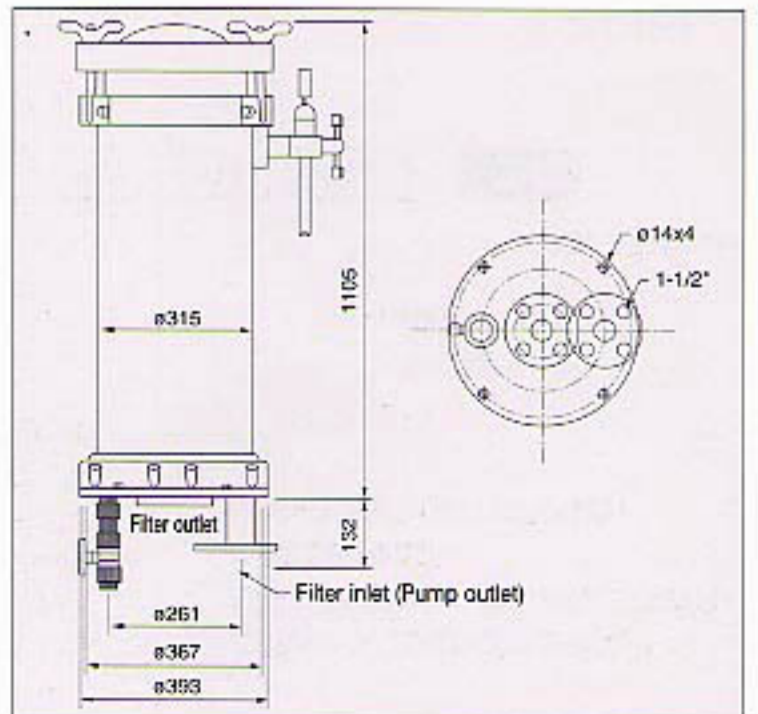
FK 206 IN-OUTLET 1-1/2"x1-1/2" (FLANGE)



FK 208 IN-OUTLET 1-1/2"x1-1/2" (FLANGE)



FK 308 IN-OUTLET 1-1/2"x1-1/2" (FLANGE)



FL series

CHEMICAL FILTER



FL 212

FL 218

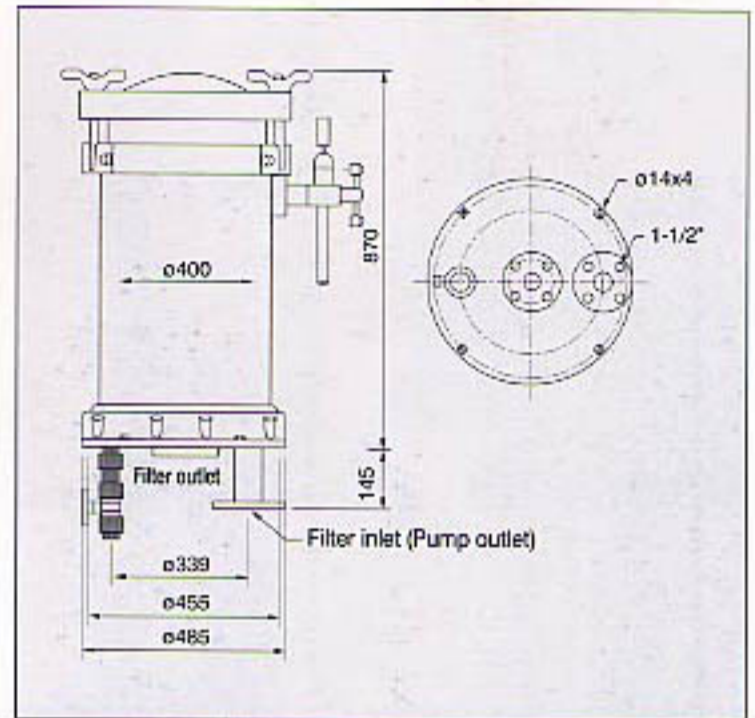
FEATURES:

1. The filter body is injection molded from plastic steel, featuring high temperature resistance and acid/alkaline resistance.
2. Choice of various filter cores such as bellow, pressure and lock type.

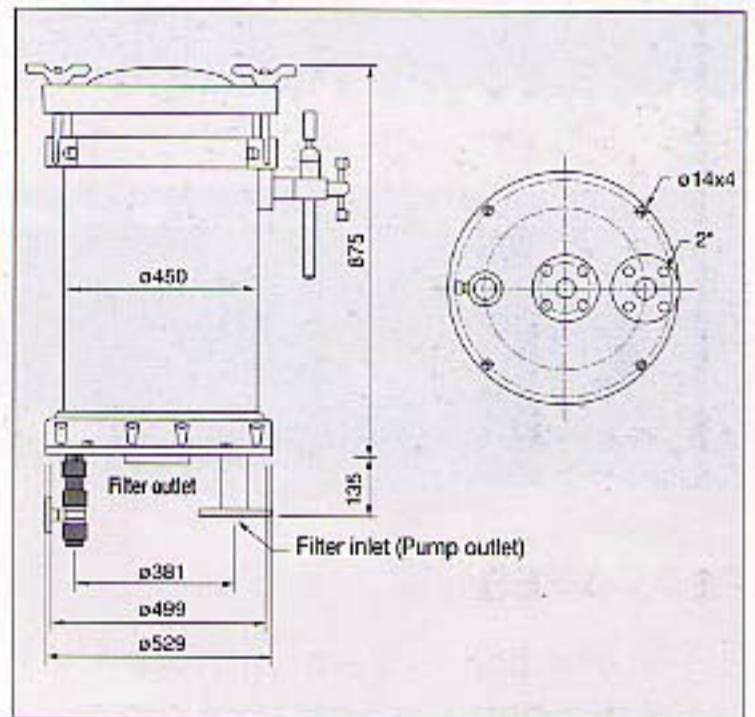
FL	-	212	U	C	J
MODE NO.					
		212 SERIES 218 SERIES 318 SERIES			J: IN-OUTLET (JIS) D: IN-OUTLET (DIN) A: IN-OUTLET (ANSI)
			U: INLET/ OUTLET UNION CONNECTOR		C: PRESSURE CORE FILTER T: PRESSURE TUBE FILTER B: LOCK CORE FILTER K: BELLOW FILTER (Without active carbon treatment device)
			H: INLET/ OUTLET SLEEVE TYPE F: INLET/ OUTLET FLANGE		P: PAPER FILTER (Without active carbon treatment device)

DIMENSIONAL DRAWING

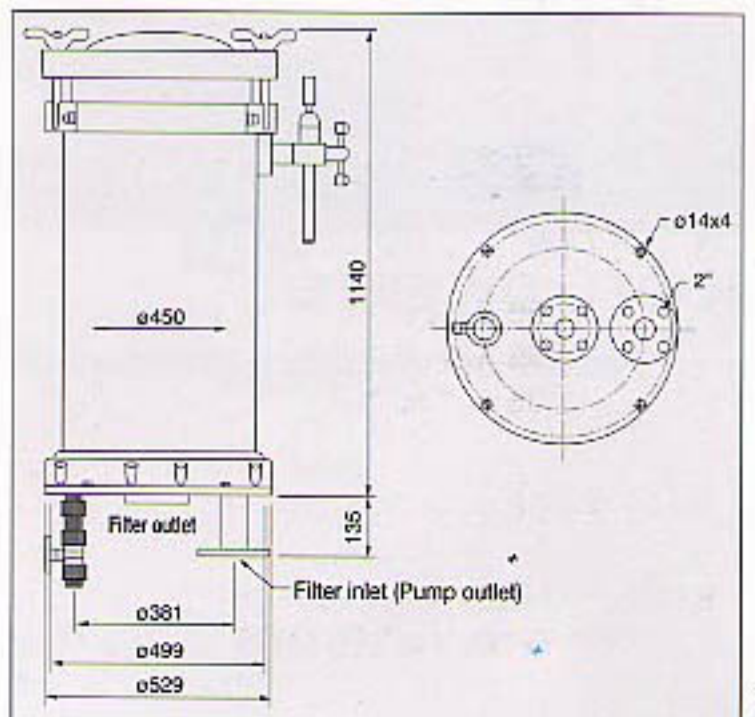
FL 212 IN-OUTLET 1-1/2"x1-1/2" (FLANGE)



FL 218 IN-OUTLET 2"x2" (FLANGE)



FL 318 IN-OUTLET 2"x2" (FLANGE)



Various Filter Cores



B-LOCK CORE FILTER

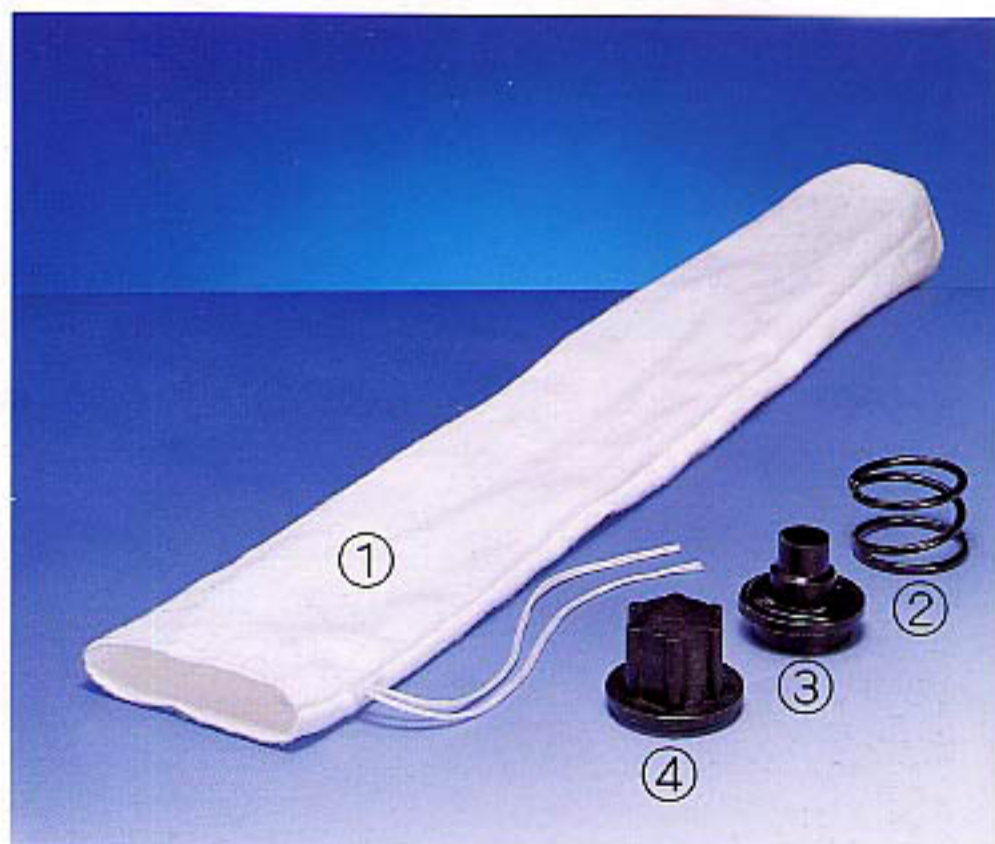


C-PRESSURE CORE FILTER



K-BELLOW FILTER

(Without active carbon treatment device)

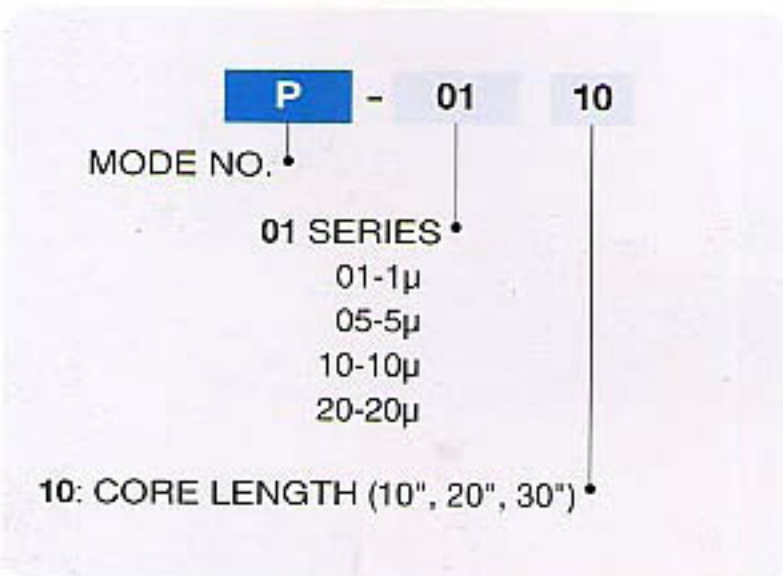


- ① FILTER BAG
- ② SPRING
- ③ UPPER GASKET
- ④ CORE FILTER NUT

P Winding Type Precision Core Filter

FEATURES:

1. Wound by 100% PP cotton. The center core is supported by PP tube.
2. Uniform and accurate density provides superior adhesion of dust.
3. Choice of specifications from 1 μ to 200 μ .



PX Forming Type Precision Core Filter

FEATURES:

1. One piece extruded from 100% continuous fiber PP cotton.
2. No support in the core center. Fiber is bonded by hot melting.
3. Density is gradually increased from outer to inner for upgrading dust adhesion capability.
4. Choice of specifications from 1 μ to 75 μ .

