



AMF

系列
SERIES

化工製程精密過濾機／袋濾機

CARTRIDGE/BAG FILTER-PUMP

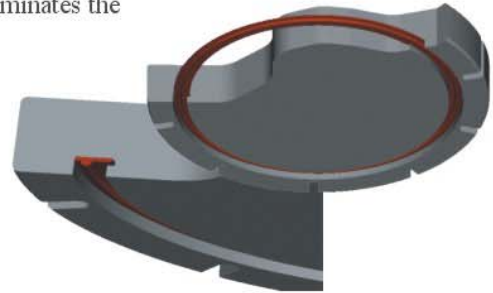


榮獲
PATENTED IN
德國、台灣
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美國、日本、大陸
USA, JAPAN, CHINA (P.R.C.),
韓國、英國新型專利
KOREA, UK.

特殊迫緊安裝方式 UNIQUE SEALING SYSTEM

特殊設計的迫緊安裝方式，免除使用O-RING易掉落的麻煩，且無須使用黏著劑固定，更換方便，也無藥液侵蝕黏劑的顧慮。

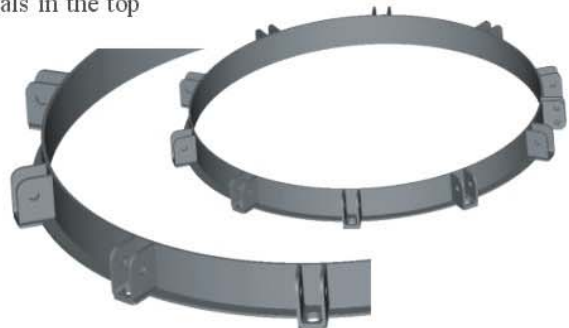
Frequent problem on dislocating of the conventional o-ring is corrected by the new unique packing seal. Easily replaceable packing seal eliminates the need to use adhesive compound to keep the seal in position, thus eradicate the possible chemical reaction between the compound and the transfer chemical.



創新設計的L型不變形框夾 IMPROVED L-SHAPED SECURING BRACKET

傳統框夾設計易因濾筒內高壓而變形，造成上下蓋迫緊或O-RING壓縮量不足而洩漏。協磁公司創新設計的不變形L型框夾，利用特殊的結構設計，抵抗螺桿對框夾造成的扭拒負載，變形量大幅降低，進而維持了迫緊的壓縮量，徹底解決惱人的洩漏問題。

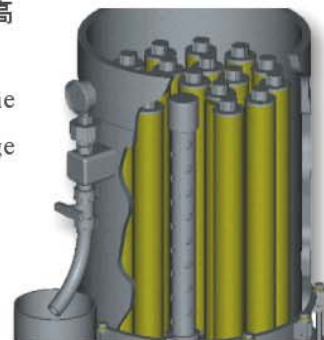
The traditional design of the bracket is easily deformed under the high pressure in the chamber. Such deformation is known to endanger the tightness of the seals in the top cover and the base plate that may lead to massive leakage subsequently. ASSOMA's new L-shaped bracket, overcoming the twisting forces in the process of tightening the cover fasteners, reduces the deformation of the bracket and keeps effective uniform tightening strength. Thus thoroughly solve the annoying leakage problem.



散射型分流管 DISPERSION TYPE CARTRIDGE PIPING

散射型分流管的設計可避免局部流速過高，使濾筒內流速均勻，提高過濾效率，免除濾心歪斜的可能。

Evenly distributed flow pattern that regulates the flow rate within the filtering cartridge, increases filtration efficiency and reduces cartridge failure.



人性化及高效能的袋濾結構

USER FRIENDLY AND HIGH PERFORMANCE BAG FILTRATION STRUCTURE

濾袋更換快速簡單，無須使用任何拆卸工具。使用協磁公司專為過濾機密封而開發的迫緊，可有效隔絕過濾前後藥液。

Without using a special tool, a used barreled bag can be easily replaced and keep the liquid effectively isolated through the special designed seal.



方便操作的注給配置 ERGONOMIC DESIGN

依操作環境之需求，提供兩種注給方式，即傳統模式和新型逆向設計將注給杯配置於泵浦馬達側，可配合協磁公司背拉式泵浦維修保養方式，節省設備安裝空間，便於操作維修。

To suit the needs under various installation conditions in particular for the ease of subsequent maintenance job, a new design has been adopted by positioning the priming cup to the filter chamber right above the pump's electric motor. Coupled with the back pull-out pump, such arrangement provides much wider working space through the revised piping system. However, to retain the practices in traditional installation, the conventional model is still available as an option.

獲專利之無軸封泵浦 PATENTED QUALITY SEAL-LESS PUMP

搭配獲多國專利之無軸封泵浦，空轉承受性優異，壽命長，絕無洩漏。

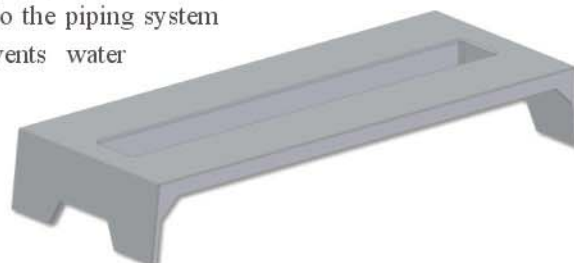
World wide patented seal-less pump with proven reliability and prolonged dry-run capability. Absolutely no leakage problem.



不積存藥液的泵浦座 RUGGED PUMP SKID WITH LIQUID-RETENTION FREE

結構強固之泵浦座支撐力強，絕不造成泵浦配管之負荷，且不易積存藥液。

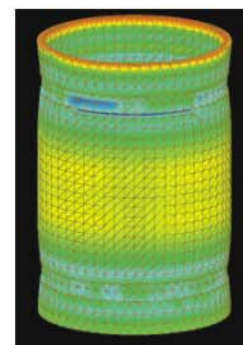
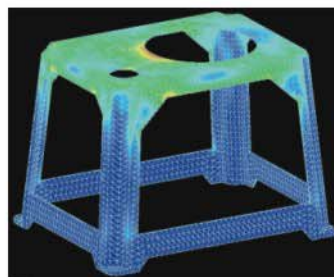
Rugged pump skid provides excellent strength and support that is capable of reducing the potential stress and strain conveyed to the piping system during pump operation. This design also prevents water retention and accumulation on the structure surface.



本體結構安全性強 STRONG AND SECURE MAIN BODY

利用有限元素分析(FEA)，精確計算濾筒與底座之結構強度，提供安全無虞的過濾機本體結構。

Finite Element Analysis (FEA) is used in designing the structure strength of the filter chamber and mainframe to attain ultimate security during operations.



規格表 SPECIFICATIONS

機 型 Model	濾心數/濾袋規格 Cartridges/Bag	過濾流量* Capacity (l/hr)	馬達出力** Power (kw)	入x出口 *** Inlet x Outlet(mm)	最高適用溫度 Max. Temp (°C)	最大工作壓力 Max. Pressure(kg/cm²)
AMF-1	10" x 1	450 ~ 900	0.065	15 x 15	70	0.8
AMF-2	20" x 1	600 ~ 1200	0.065	15 x 15	70	0.8
AMF-4	20" x 2	1800 ~ 3600	0.18	25 x 25	70	1.5
AMF-6	20" x 3	2700 ~ 5400	0.25	25 x 25	70	1.5
AMF-12	20" x 6	5000 ~ 10000	0.4	40 x 40	70	2
AMF-16	20" x 8	6000 ~ 12000	0.75	40 x 40	70	3
AMF-24	20" x 12	9600 ~ 19200	1.5	50 x 50	70	4
AMF-36	20" x 18	12000 ~ 24000	2.2	50 x 50	70	4
AMF-54	30" x 18	16000 ~ 32400	3.75	65 x 50	70	4
AMF-B01	#01 x 1	5000 ~ 12000	0.4~0.75	40 x 40	70	4
AMF-B02	#02 x 1	9600 ~ 36000	1.5~3.75	50 x 50	70	4
AMF-B04	#04 x 1	1800 ~ 5400	0.18~0.25	25 x 25	70	1.5

備註 Note:

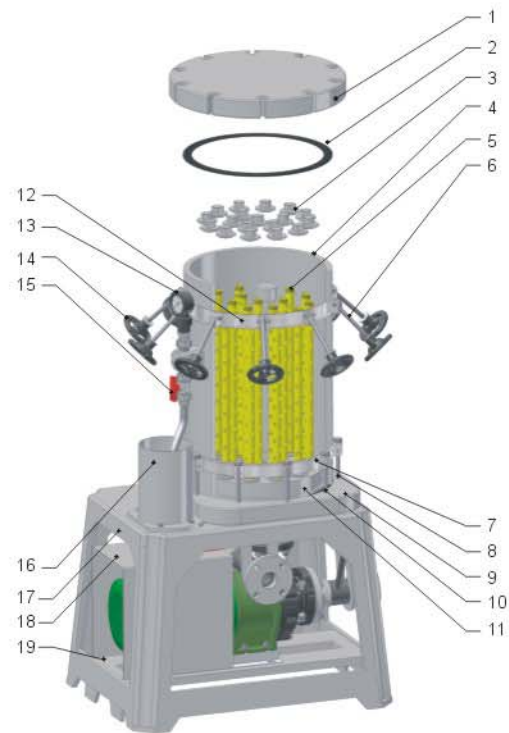
* 表列過濾流量僅供參考，實際過濾流量會依過濾液體性質、濾心規格及管路阻抗壓降不同而有差異。
The listed filtration capacity shown above is for reference only. The actual capacity will be different depending on the liquid property, the types of cartridge/bag and the resistance of the piping system.

** 泵浦可依實際需要之過濾量搭配不同馬力數。
In accordance with the required capacity of filtration, various models of the pump can be selected to conform to the requirement.

*** 可依客戶需求搭配不同尺寸之出入口配管。
Inlet and outlet dimensions can be changed to match customer's requirement.

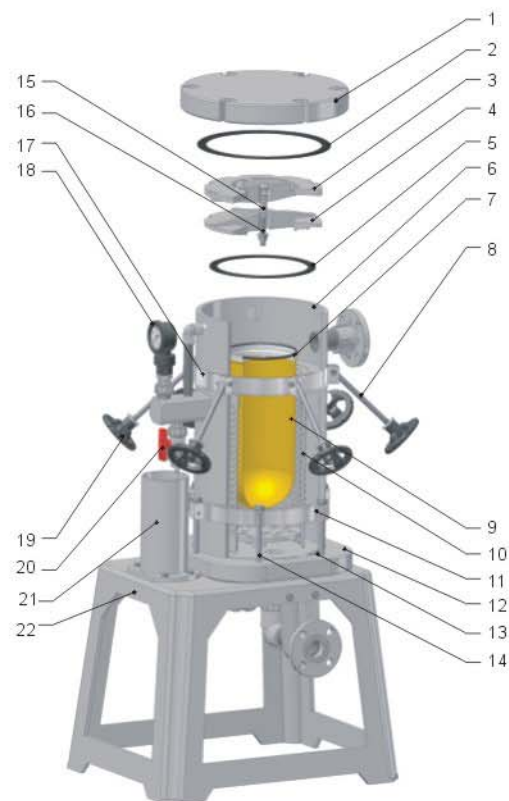
材質構造圖 MATERIAL

AMF型過濾機(濾心式) Cartridge Filter-Pump



項目 No	零件名稱 Description	材質 Material
1	上蓋板 Top cover	PP
2	上蓋迫緊 Cover packing	EPDM
3	濾心上螺栓 Cartridge fastener	PP
4	濾筒 Filter chamber	PP
5	濾心支柱 Cartridge core pipe	PP
6	上擺振螺桿 Swivel stud	SUS
7	下框夾 Lower bracket	SUS
8	固定螺桿 Position stud	SUS
9	下蓋板 Base plate	PP
10	下蓋迫緊 Base plate packing	EPDM
11	中隔板 Manifold	PP
12	上框夾 Upper bracket	SUS
13	壓力計組 Pressure gauge assembly	PP
14	上蓋螺栓 Cover fastener	PP
15	排氣閥 Vent valve	PP
16	注給杯 Priming cup	PP
17	過濾機底座 Main frame	FRP
18	防護罩 Motor guard	PP
19	泵浦座 Pump skid	FRP

AMF-B型過濾機(濾袋式) Bag Filter-Pump



項目 No	零件名稱 Description	材質 Material
1	上蓋板 Top cover	PP
2	上蓋迫緊 Cover packing	EPDM
3	壓板 Retainer	PP
4	壓板 Retainer	PP
5	迫緊 Packing	EPDM
6	濾筒 Filter chamber	PP
7	O形環 O-ring	EPDM
8	上擺振螺桿 Swivel stud	SUS
9	濾袋 Bag	不織布 Non-woven fabric
10	多孔管 Basket	PP
11	下框夾 Lower bracket	SUS
12	下蓋板 Base plate	PP
13	下蓋迫緊 Base plate packing	EPDM
14	固定螺桿 Position stud	SUS
15	彈簧 Spring	Ti
16	螺絲 Bolt	Ti Alloy
17	上框夾 Upper bracket	SUS
18	壓力計組 Pressure gauge assembly	PP
19	上蓋螺栓 Cover fastener	PP
20	排氣閥 Vent valve	PP
21	注給杯 Priming cup	PP
22	過濾機底座 Main frame	FRP

ASSOMA JAPAN CO., LTD

TEL: (81) 48-810-5481
FAX: (81) 48-810-5482
1-17-2, Higashi Urawa, Midori-ku, Saitama-city, Saitama, Japan 336-0926
E-mail: inaizumi@assoma.co.jp

A-MAN CO., LTD

TEL: (82) 031-434-9948
FAX: (82) 031-434-9916
Rm211, No. 2, Shihwa Machinery Selling Complex 2166-2 Jung wang-dong, Shiheung-city, Gyeonggi-do, Korea
E-mail: seanhong@a-man.co.kr

DYNAPUMPS

TEL: (61) 8-9478-2722
FAX: (61) 8-9478-2750
88 Belgravia Street, Belmont WA 6104, Australia
E-mail: Charlie@dypumps.com.au

P.V.S. TRADING ENGINEERING CO., LTD

TEL: (66) 2-944-6810
FAX: (66) 2-944-6820
130/39-40 Moo 12 Soi Ramindra 40, Ramindra Rd., Klongkum, Buengkum, Bangkok 10230, Thailand
E-mail: pvsco@ksc.th.com

TANGERINE ENGINEERING PTE LTD

TEL: (65) 6748-6211
FAX: (65) 6748-9722
39 Senang Crescent, Singapore 416607
E-mail: sales@tangerine.com.sg

協磁股份有限公司台中辦事處 ASSOMA INC. TAICHUNG OFFICE

TEL: (886) 4-2462-2388
FAX: (886) 4-2462-6398
台中市西屯區福瑞街160號8樓之2
8F.-2, No. 160, Furuei Street, Situn District, Taichung City 40764, Taiwan, R.O.C.
Email: daniel@assoma.com.tw

上海協丞化工機械有限公司 PRO BEST CHEM-MECH CO., LTD.

TEL: (86) 21-6768-1081 (86) 21-6768-1089
FAX: (86) 21-6764-8067
上海市松江區新橋鎮香申村金都西路959號4幢
Tent 4, No. 959, Jindu West Road, Chunshen Village, Xingiao Town, Songjiang Area, Shanghai, China
E-mail: assomapump@vip.163.com

上海協丞化工機械有限公司深圳分公司 PRO BEST CHEM-MECH CO., LTD. (SHENZHEN BRANCH)

TEL: (86) 755-2650-0300 (86) 755-2650-3347
FAX: (86) 755-2650-1327
深圳市南山區新科技園園科苑路達大慶5樓519房
Room 519, East 5F, Jianda Building, Keyuan Road, Science Park, Shenzhen, China
E-mail: assoma_sz@vip.163.com

北京世紀朝陽科技發展有限公司 BEIJING CEN-SUN TECHNOLOGY DEVELOPMENT CO., LTD.

TEL: (86) 10-8239-8036
FAX: (86) 10-8239-8026
北京市海澱區北四環中路209號健翔園6號樓2202室
Room 2202, No. 6 Jian Xiang Yard, No. 209 North Firth-Ring Zhong Road, Hai Dian District, Beijing, China
Email: feilu.lu@vip.163.com

台灣南部總代理弓海企業有限公司 KUNG HAI ENTERPRISE CORP

TEL: (886) 7-236-5930~2
FAX: (886) 7-236-9500
高雄市新興區七賢一路251號19F
19F-1, No. 251, Cisian 1st Road, Sinsing District, Kaohsiung, Taiwan R.O.C.
E-mail: kunghai@seed.net.tw

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桃園縣蘆竹鄉坑口村三德街15巷14弄10號
NO.10, ALLEY 14, LANE 15, SAN-TE STREET, KENG KOU VILLAGE,
LUJHU TOWNSHIP, TAOYUAN COUNTY, 338, TAIWAN, R.O.C.
TEL: (886) 3-354-7606
FAX: (886) 3-354-7612
http: //www.assoma.com.tw
E-mail: sales@assoma.com.tw

