

# 固液油水分離處理系統

Solid-liquid oil-water separation treatment system



優淨能源科技股份有限公司

UG ENERGY TECHNOLOGY CO.,LTD.

# 自動逆洗過濾機 Automatic backwash filter



**UGF-160型 全(半)自動逆洗過濾機**  
**UGF-160 Full (Semi) Automatic Backwash Filter**

<b>機台材質</b> Machine material	機台架SUS304過濾筒 SUS304內襯TEFLON SUS304 filter cartridge SUS304 lined with TEFLON		
<b>機台尺寸</b> Machine size	長135X寬135X高210cm Length 135X width 135X height 210cm	總重量 total weight	480Kg
<b>馬力</b> motor	過濾馬達5HP(3.7Kw),洗淨馬力鼓風機3HP(2.2Kw)減速馬達1HP(0.75w)加壓泵0.5HP Filter motor 5HP (3.7Kw), clean blower 3HP (2.2Kw) reduction motor 1HP (0.75w) booster pump 0.5HP		
<b>電力</b> Electric power	電壓3Φ,220V,380V,415V,440V,電控系統3Φ,220V Voltage 3Φ, 220V, 380V, 415V, 440V, electrical control system 3Φ, 220V		操作最大馬力5HP maximum power 5HP
<b>過濾量</b> Filtration	(50HZ,60HZ)600L/min	適用鍍液槽 Applicable bath	10 m <sup>3</sup> (10,000L)
<b>濾材</b> Filter	PPG16片 PPG16 tablets	濾布 Filter cloth	PP針織布 PP knitted fabric
<b>配管口徑</b> Piping caliber	過濾出入口 Filter in(out)	50A(2")	洗淨排放口 Wash drain
		50A(2")	自來水給水 clean water
			32A(1")

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本公司從事多年耐酸鹼過濾設備製造，

The company has been engaged in the manufacture of acid and alkali resistant filtering equipment for many years.

致力提升過濾效果及節省人力的研發，

R & D dedicated to improving filtration results and saving manpower,

至今成功開發自動逆洗過濾機為革命性自動化工業設備。

So far, the automatic backwash filter has been successfully developed as a revolutionary automated industrial equipment.

本設備具超精密過濾效果及大流量過濾速度，

This equipment has ultra-precision filtering effect and large flow filtering speed.

並可容納大量添加物如:活性炭、過濾助劑。

And can accommodate a large number of additives such as: activated carbon, filter aids.

強大的噴流沖洗，逆洗快速節省時間及廢水量並達到最好

Powerful jet flushing, backwashing quickly saves time and waste water and achieves the best

清洗效果。

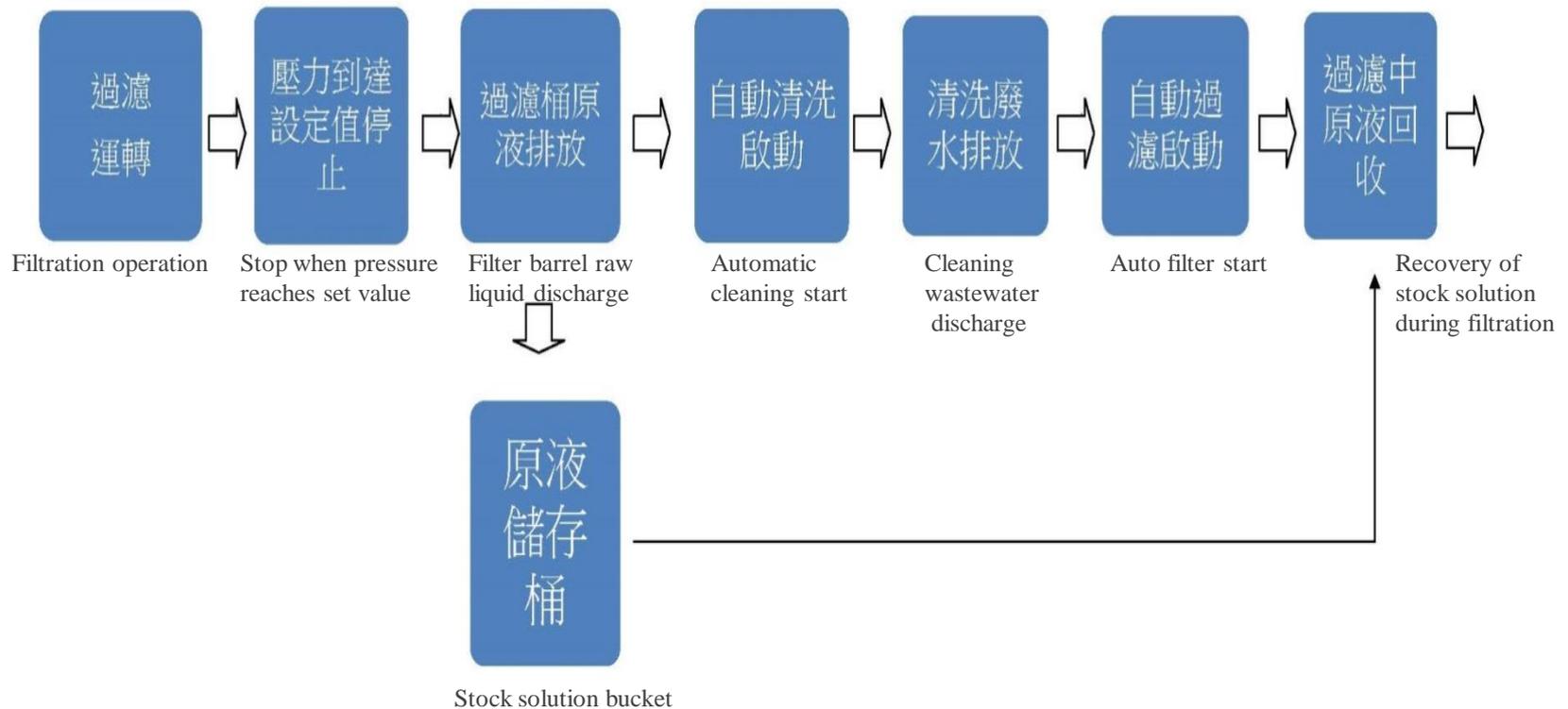
Cleaning effect.



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## 自動逆洗過濾機、過濾、洗淨流程

Automatic backwash filter, filtration, washing process



# 自動逆洗過濾機 Automatic backwash filter

自動逆洗過濾機與傳統式過濾機比較表

Comparison table between automatic backwash filter and traditional filter

	半自動全自動逆洗過濾機 Semi-automatic fully automatic backwash filter	傳統式過濾機 Traditional filter
過濾量與過濾效果 Filtration versus Filtering effect	<p>過濾量600l/min，最大壓力3.5Kg持續過濾時間長，出水量大，濾材密合度高，過濾效果達90%以上，一台可抵傳統式60K過濾機三台效果。</p> <p>The filtering capacity is 600l / min, the maximum pressure is 3.5Kg, and the continuous filtering time is long, the water output is large, the filter material has a high degree of tightness, and the filtering effect is more than 90%. One can reach three effects of the traditional 60K filter.</p>	<p>過濾量330l/min，最大壓力1.8Kg，壓力耗損大，壓力1Kg後出水量變很小，容易阻塞無法出水，需時常清洗濾材容易破損，密合度差過濾效果60%以下。</p> <p>The filtering capacity is 330l / min, the maximum pressure is 1.8Kg, and the pressure loss is large. After 1Kg of pressure, the water output becomes small, it is easy to block and cannot be discharged. The filter material needs to be cleaned from time to time.</p>
馬力節能與清洗人力 motor versus Cleaning manpower	<p>過濾馬力5HP，有壓力設定開關及時間設定開關，設定值到達自動停機，亮指示燈，不會造成馬達空轉浪費能源。清洗方式全自動逆洗，不須人員操作及拆卸過濾機，人機電腦自動控制清洗，自動啟動過濾，清洗一次廢水量約60~100L。</p> <p>Filter horsepower 5HP, there are pressure setting switch and time setting switch. When the set value reaches the automatic stop, the indicator light will be on, which will not cause the motor to idle and waste energy. The cleaning method is fully automatic backwashing, without the need for personnel to operate and disassemble the filter. The man-machine computer automatically controls the cleaning, automatically starts the filtration, and the amount of wastewater to be washed once is about 60 ~ 100L.</p>	<p>過濾馬力3HPX3台=9馬力，過濾阻塞馬達繼續運轉，浪費能源嚴重阻塞造成氣爆。清洗方式，人力拆卸過濾機，清洗耗材耗時耗力，清洗3台約2小時，廢水量大好幾倍。</p> <p>Filtering motor 3HPX3 = 9 motor, the filter blocking motor continues to run, wasting energy and causing serious blockage and causing gas explosion. Cleaning method: Manually dismantling the filter, cleaning the consumables is time-consuming and labor-intensive, and cleaning 3 sets takes about 2 hours, and the amount of wastewater is several times larger.</p>
濾材耗損 Filter wear	<p>因不須人員拆卸清洗濾材濾布，不會造成磨損或拆卸造成損壞，耐用性佳，約一年更換一次。</p> <p>Because there is no need to disassemble and clean the filter media, the filter cloth will not cause wear or damage due to disassembly, and has good durability. Replace about once a year.</p>	<p>因需時常拆卸清洗，造成破壞及磨損影響組裝的密合性，導致過濾效果差，濾布需時常更換</p> <p>Due to frequent disassembly and cleaning, damage and wear will affect the tightness of the assembly, resulting in poor filtering effect, and the filter cloth needs to be replaced frequently.</p>
周邊設備連線控制 Peripherals Connection control	<p>如攪拌槽液位控制，藥品添加定量泵浦控制。如雙氧水或其他藥水可依客戶需求搭配控制可節省能力。</p> <p>Such as mixing tank liquid level control, medicine addition quantitative pump control. Such as hydrogen peroxide or other potions can be matched with the control according to customer needs to save capacity.</p>	<p>傳統式過濾機無此功能。</p> <p>Traditional filters do not have this feature.</p>

# 適用行業

For industry

- 自動逆洗分離設備可運用於：

造紙廠、染整廠、鋼鐵業、發電廠、變電廠、電器製造廠、熱處理加工廠、石化工業、食品加工業、餐廳等行業，各級環境中之固液水分離系統。

Automatic backwash separation equipment can be used for :

Paper mills, dyeing and finishing plants, steel industry, power plants, variable power plants, electrical factory, heat treatment plants, petrochemical industry, food processing industry, restaurants and other industries, at all levels of the environment of the Solid-liquid-water separation system.