

# The Sand Filter

砂缸介绍

## 玻璃纤维砂缸过滤器

玻璃纤维砂缸过滤器使用高品质不饱和聚酯树脂制作内胆，弹性及耐腐蚀性能强，玻璃纤维缠绕加固缸体更结实，结合手工和进口的专业树脂、纤维混合喷枪喷射制作，坚固耐用、不易破裂，生产效率更高；

每个完整半成品和成品都要经过多次严格试水试气压全面测试，质量更保障；

整体纤维缠绕之后外表喷涂防紫外线的聚氨酯保护层，美观、耐用，防紫外线能力强，在日照雨淋等多种工作和气候环境下能长时间使用；

砂缸过滤器最大工作压力为：2.5Kg (250Kpa/36psi/2.5bar)，最大测试压力为：4Kg (400Kpa/58psi/4.0bar)，最高操作温度为：50℃ (122°F)

缸体内所装石英砂规格为：0.5-0.8mm，粗砂规格为：1-2mm，缸体内滤料还可以为软化树脂颗粒或活性炭等。因各地区石英砂规格的差异，装砂重量数据仅供参考。

所装滤料不要超过砂缸体积的 2/3，至少在分水斗以下 20cm 处。

装滤料前把顶环上的透明导砂缸盖放置好，防止滤料进入砂缸中心管内部。

缸体内置 360° 均匀八爪鱼过滤管（布水路），设计独特，使水流均匀、稳定，出水量大，过滤精度高。

缸体外侧底部配有排水和排滤料装置，打开排水盖即可排出缸体内的水，打开滤料滤网即可排出缸体内的滤料，易安装、维护，保养方便。

在转移砂缸过程中不要重压、侧置或翻滚，防止损坏缸体或底部排污口装置。玻璃纤维砂缸过滤器，采用多层过滤方式，使水质更清澈、洁净，广泛应用于桑拿、温泉、SPA、游泳池、水上乐园、海洋馆、水族馆、水产养殖及雨水、河水、工业水处理领域等。



## Fiberglass Sand Filter

We produce various sizes of sand filter which can be made to glossy surface sand filter and fiberglass sand filter.

Fiberglass sand filters are manufactured using high quality unsaturated polyester resin, good elasticity and strong corrosion resistance, fiberglass winding reinforced filter tank stronger, combined with handwork and import resin, fiber, spray gun injection production, sturdy and durable, higher production efficiency.

Every completed semi-finished products and finished products will pass water pressure test for several times. Quality is more guarantee.

The surface spray heavy duty UV protective layer after the overall filament winding. Beautiful, durable, strong UV protection ability, it can be used for a long time in different work and climate environment.

Sand filter maximum working pressure: 2.5Kg (250Kpa/36psi/2.5bar), The maximum pressure test is 4Kg (400Kpa/58psi/4.0bar). The maximum operating temperature is: 50℃ (122°F).

The coarse silica sand specification is 0.5mm-0.8mm, Fine sand specifications is: 1mm-2 mm. Inside the tank body can fill filter material, soften the resin particles or activated carbon. Because of the differences in quartz sand specification in different regions, sand weight data are just for reference.

The filter material not more than two-thirds of the sand tank volume, at least 20 cm below the water bucket.

Transparent conducting sand filter plate in place before fill with the filter material, to prevent the filter material into the inside base pipe of the sand filter.

The sand filter build-in 360 degree uniform octopus filter tube (water distributor), More water yield, filtration precision is higher.

There are drainage and filtration device at the bottom of the outer tank body, open the drain cover can discharge the water in the tank body, Open the plastic filter gauze can discharge filter material in the cylinder, easy to use and installed Multi-valve helps water filtration more effective.

Don't heavy load, place upside down or roll in the process of move the sand filter, to prevent damage to the filter or drain outlet device at the bottom.

Fiberglass sand filter adopt multilayer filtering way, make the water more clean, more healthy. It is widely used in Sauna, hot spring, SPA, swimming pool, water park, aquarium, aquaculture and rain water, river water, industrial water treatment field, etc.



Multy-valve is made of import ABS material, increased the elasticity, tensile strength and heat resistance, corrosion resistance, and the surface is smooth, good brightness, high hardness.

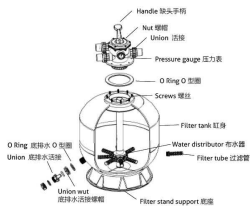
Fiberglass sand filters are manufactured using high quality unsaturated polyester resin, good elasticity and strong corrosion resistance, fiberglass winding reinforced filter tank stronger, combined with handwork and import resin, fiber, spray gun injection production, sturdy and durable, higher production efficiency.

The surface spray heavy duty UV protective layer after the overall filament winding, Beautiful, durable, strong UV protection ability, it can be used for a long time in different work and climate environment.

缸头多向阀材料为进口 ABS 工程塑料制成, 增加了材料的弹性、强度以及耐热、耐腐蚀性, 而且表面光滑、亮度好, 硬度高;

玻璃纤维砂缸过滤器使用高品质不饱和聚酯树脂制作内胆, 弹性及防腐性能能力强, 玻璃纤维缠绕加固缸体更结实, 结合手工和进口的专业树脂、纤维混合喷枪喷射制作, 坚固耐用、不易破裂, 生产效率更高;

整体纤维缠绕之后外表喷涂防紫外线的聚氨酯保护层, 美观、耐用, 防紫外线能力强, 在日照雨淋等多种工作和气候环境下能长时间使用;



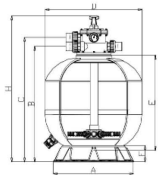
## ATTENTIONS

Turn off the water pump power before convert any function on the multy-valve, the temperature of the circulating water up to 50°C (122°F). Sand filter maximum working pressure: 2.5Kg (250Kpa/36psi/2.5bar), the maximum pressure test is 4Kg (400Kpa/58psi/4.0bar). Can be produced according to specify different color, different degree of pressure. The maximum operating temperature is: 50°C (122°F). The coarse silica sand specification is 0.5mm-0.8mm, Fine sand specifications is: 1mm-2mm.

转换缸头多向阀上任何功能之前必须关闭水泵电源, 循环水的温度最高为 50°C (122°F)。砂缸过滤器最大工作压力为: 2.5Kg (250Kpa/36psi/2.5bar), 最大测试压力为: 4Kg (400Kpa/58psi/4.0bar)。可按指定不同颜色、不同耐压程度特殊订做, 最高操作温度为: 50°C (122°F)。缸体内所装石英砂规格为: 0.5-0.8mm, 粗砂规格为: 1-2mm。

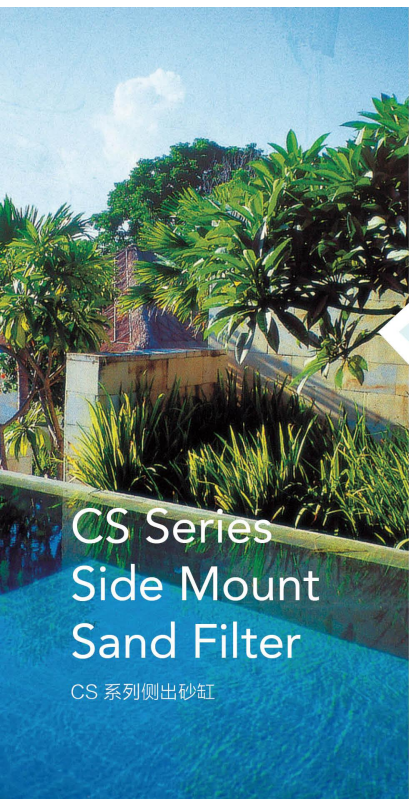
## SAND FILTER SIZE

|        | CT400 | CT450 | CT500 | CT650 | CT700 | CT800 | CT900 | CT1000 | CT1100 | CT1200 | CT1400 |
|--------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| D (MM) | 400   | 450   | 500   | 650   | 700   | 800   | 900   | 1000   | 1100   | 1200   | 1400   |
| H (MM) | 765   | 815   | 865   | 1025  | 1075  | 1195  | 1320  | 1425   | 1550   | 1610   | 1700   |
| E (MM) | 400   | 450   | 500   | 650   | 700   | 800   | 900   | 1000   | 1100   | 1200   | 1400   |
| A (MM) | 405   | 405   | 405   | 570   | 570   | 710   | 710   | 820    | 1020   | 1020   | 1300   |
| F (MM) | 100   | 100   | 100   | 110   | 110   | 130   | 130   | 140    | 140    | 140    | 150    |
| B (MM) | 560   | 610   | 660   | 820   | 870   | 965   | 1090  | 1195   | 1320   | 1380   | 800    |
| C (MM) | 620   | 670   | 720   | 880   | 930   | 1035  | 1160  | 1265   | 1390   | 1450   | 230    |



| Model   | Port Size Inches | Port Size (mm) | Filter Area (m²) | Flow (m³/h) | 0.5~0.8mm Sand Weight(kg) | Tank Vol. (m³) | Tank Weight (kg) | Valve Vol. (m³) | Valve Weight (kg) | Pool Size (m³) |
|---------|------------------|----------------|------------------|-------------|---------------------------|----------------|------------------|-----------------|-------------------|----------------|
| 型号      | 英寸               | 进出水管口径         | 过滤面积             | 流量          | 0.4~0.8mm 砂量              | 缸体体积           | 缸体重量             | 缸头体积            | 缸头重量              | 泳池体积           |
| CT 400  | 16               | 1.5"/50        | 0.11             | 6           | 40                        | 0.09           | 11               | 0.02            | 3                 | 42~50          |
| CT 450  | 18               |                | 0.14             | 8           | 70                        | 0.15           | 13               |                 |                   | 50~65          |
| CT 500  | 21               |                | 0.2              | 10          | 100                       | 0.17           | 16               |                 |                   | 65~95          |
| CT 650  | 25               |                | 0.3              | 16          | 210                       | 0.32           | 20               |                 |                   | 95~130         |
| CT 700  | 28               |                | 0.37             | 19          | 310                       | 0.42           | 28               |                 |                   | 130~165        |
| CT 800  | 32               | 2"/63          | 0.5              | 25          | 420                       | 0.68           | 41               | 0.03            | 5                 | 165~200        |
| CT 900  | 36               |                | 0.64             | 30          | 600                       | 0.95           | 48               |                 |                   | 200~240        |
| CT 1000 | 40               |                | 0.79             | 35          | 780                       | 1.29           | 58               |                 |                   | 240~265        |
| CT 1100 | 44               |                | 0.98             | 44          | 1000                      | 1.94           | 64               |                 |                   | 265~300        |
| CT 1200 | 48               |                | 1.13             | 50          | 1320                      | 2.26           | 68               |                 |                   | 300~360        |
| CT 1400 | 56               |                | 1.53             | 68          | 1720                      | 3.26           | 112              |                 |                   | 360~425        |

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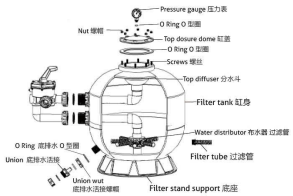


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缸头多向阀材料为进口 ABS 工程塑料制成, 增加了材料的弹性、强度以及耐热、耐腐蚀性, 而且表面光滑、亮度好, 硬度高;  
玻璃纤维砂缸过滤器使用高品质不饱和聚酯树脂制作内胆, 弹性及防腐性能能力强, 玻璃纤维缠绕加固缸体更结实, 结合手工和进口的专业树脂、纤维混合喷枪喷射制作, 坚固耐用、不易破裂, 生产效率更高;  
整体纤维缠绕之后外表喷涂防紫外线的聚氨酯保护层, 美观、耐用, 防紫外线能力强, 在日照雨淋等多种工作和气候环境下能长时间使用;



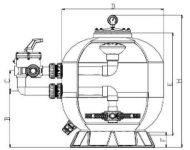
## ATTENTIONS

Turn off the water pump power before convert any function on the multy-valve, the temperature of the circulating water up to 50℃ (122°F).  
Sand filter maximum working pressure: 2.5Kg (250Kpa/36psi/2.5bar), the maximum pressure test is 4Kg (400Kpa/58psi/4.0bar). Can be produced according to specify different color, different degree of pressure. The maximum operating temperature is: 50℃ (122°F).  
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缸体内所装石英砂规格为: 0.5-0.8mm, 粗砂规格为: 1-2mm。

## SAND FILTER SIZE

|        | CS450 | CS500 | CS650 | CS700 | CS800 | CS900 | CS1000 | CS1100 | CS1200 | CS1400 |
|--------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| D (MM) | 450   | 500   | 650   | 700   | 800   | 900   | 1000   | 1100   | 1200   | 1400   |
| H (MM) | 665   | 715   | 860   | 915   | 1015  | 1120  | 1350   | 1420   | 1520   | 1700   |
| E (MM) | 450   | 500   | 650   | 700   | 800   | 900   | 1000   | 1100   | 1200   | 1400   |
| A (MM) | 405   | 405   | 570   | 570   | 710   | 710   | 820    | 1020   | 1020   | 1300   |
| F (MM) | 100   | 100   | 110   | 110   | 130   | 130   | 140    | 140    | 140    | 150    |
| B (MM) | 260   | 260   | 300   | 320   | 400   | 440   | 510    | 530    | 600    | 800    |
| C (MM) | 130   | 130   | 130   | 130   | 230   | 230   | 230    | 230    | 230    | 230    |



| Model   | Port Size Inches | Port Size (mm) | Filter Area (m²) | Flow (m³/h) | 0.5-0.8mm Sand Weight(kg) | Tank Vol. (m³) | Tank Weight (kg) | Valve Vol. (m³) | Valve Weight (kg) | Pool Size (m²) |
|---------|------------------|----------------|------------------|-------------|---------------------------|----------------|------------------|-----------------|-------------------|----------------|
| 型号      | 英寸               | 进出水管口径         | 过滤面积             | 流量          | 0.4-0.8mm 砂重              | 缸体体积           | 缸体重量             | 缸头体积            | 缸头重量              | 泳池体积           |
| CS 450  | 18               | 1.5"/50        | 0.14             | 8           | 56                        | 0.15           | 15               | 0.02            | 3                 | 50-65          |
| CS 500  | 21               |                | 0.2              | 10          | 90                        | 0.2            | 18               |                 |                   | 65-95          |
| CS 650  | 25               |                | 0.3              | 15          | 170                       | 0.32           | 25               |                 |                   | 95-130         |
| CS 700  | 28               |                | 0.37             | 18.5        | 225                       | 0.46           | 30               |                 |                   | 130-165        |
| CS 800  | 32               |                | 0.5              | 25          | 380                       | 0.68           | 45               |                 |                   | 165-200        |
| CS 900  | 36               | 2"/63          | 0.64             | 30          | 453                       | 0.92           | 50               | 0.03            | 5                 | 200-240        |
| CS 1000 | 40               |                | 0.79             | 35          | 712                       | 1.48           | 65               |                 |                   | 240-265        |
| CS 1100 | 44               |                | 0.98             | 44          | 975                       | 1.97           | 69               |                 |                   | 265-300        |
| CS 1200 | 48               |                | 1.13             | 50          | 1220                      | 2.42           | 92               |                 |                   | 300-360        |
| CS 1400 | 56               |                | 1.53             | 68          | 1720                      | 3.26           | 112              |                 |                   | 360-425        |

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CB Series Top Mount of Deep Bed Sand Filter/ Fresh Water Tank  
CB 系列顶出高密度砂缸 / 食水缸

Deep Bed Sand Filter(potable water tank),adopt with higher depth of multi-level structure way to add filter material, High precision filter,make sure the water is more clean,more healthy,apply to high standards of high performance water treatment engineering requirements,make the filtering more efficient.

Small filters use the multi-valve control the water;Big size filters use the butterfly valve, can choose install with sight glass or side manhole.This series of products can be made into sand filter ozone reaction tank,good performance in both UV-resistant and anti-chemical corrosion.Inlet and outlet adopt flexible interface or flange interface, Convenient and flexible.

Reaction formula:  $CT \geq 1.6 \text{ Ozone demand: } PO_3 = Q \times C \times t$   
O<sub>3</sub> Ozone filter size:  $V = \frac{Q \times C}{60 \times t}$ 。C-the amount of ozone added into water.t-the time about ozone and water reaction.V-the volume about ozone reactor. Qc- the circulating water of swimming pool.

深层高密度砂缸过滤器（食水缸），采用加高深度多层次结构方式加多滤料，高精度过滤，使水质更清澈、洁净，适用高标准高性能水处理工程要求，使过滤效果更加高效彻底；

规格小的缸体可采用缸头阀控制上进出水或侧进出水；规格大的缸体可采用碟阀组合控制侧进出水，可选择要求加装视镜或侧人孔。此款砂缸均可制作成臭氧反应罐，防腐蚀、耐化学反应能力强。进出口可采用活接或法兰式接口，方便灵活；

臭氧反应公式： $CT \geq 1.6$  臭氧需要量按： $PO_3 = Q \times C \times t$   
O<sub>3</sub> 臭氧罐的大小可按： $V = \frac{Q \times C}{60 \times t}$ 。式中 C—投加到水中的臭氧量，t—臭氧与水所需接触反应的时间。V—反应罐的容积，Qc 水池的循环水量；



ATTENTIONS

Turn off the water pump power before convert any function on the multi-valve,the temperature of the circulating water up to 50℃ (122°F).

Sand filter maximum working pressure:2.5Kg(250Kpa/36psi/2.5bar),the maximum pressure test is 4Kg(400Kpa/58psi/4.0bar).Can be produced according to specify different color, different degree of pressure.The maximum operating temperature is: 50℃ (122°F).

The coarse silica sand specification is 0.5mm-0.8mm,Fine sand specifications is: 1mm-2 mm.

转换缸头多向阀上任何功能之前必须关掉水泵电源，循环水的温度最高为 50℃（122° F）。

砂缸过滤器最大工作压力为：2.5Kg（250Kpa/36psi/2.5bar），最大测试压力为：4Kg（400Kpa/58psi/4.0bar）。可按指定不同颜色、不同耐压程度特殊订做，最高操作温度为 :50℃ (122° F).

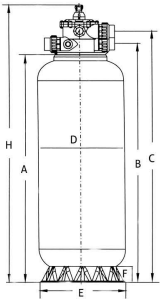
缸体内所装石英砂规格为：0.5–0.8mm，粗砂规格为：1–2mm。

SAND FILTER SIZE

|        | CB13400 | CB13450 | CB13500 | CB13600 | CB13700 | CB15400 | CB15450 | CB15500 | CB15600 | CB15700 |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| D (MM) | 400     | 450     | 500     | 600     | 700     | 400     | 450     | 500     | 600     | 700     |
| H (MM) | 1300    | 1300    | 1300    | 1300    | 1300    | 1500    | 1500    | 1500    | 1500    | 1500    |
| E (MM) | 405     | 405     | 405     | 570     | 570     | 390     | 390     | 390     | 565     | 565     |
| A (MM) | 1062    | 1062    | 1062    | 1062    | 1062    | 1262    | 1262    | 1262    | 1262    | 1262    |
| F (MM) | 90      | 90      | 90      | 110     | 110     | 75      | 75      | 95      | 95      | 95      |
| B (MM) | 1115    | 1115    | 1115    | 1115    | 1115    | 1315    | 1315    | 1315    | 1315    | 1315    |
| C (MM) | 1174    | 1174    | 1174    | 1174    | 1174    | 1374    | 1374    | 1374    | 1374    | 1374    |

| Model    | Port Size (mm) | Filter Area (m²) | Flow (m³/h) | 0.5-0.8mm Sand Weight(kg) | Tank Vol. (m³) | Tank Weight (kg) | Valve Vol. (m³) | Valve Weight (kg) | Pool Size (m³) |
|----------|----------------|------------------|-------------|---------------------------|----------------|------------------|-----------------|-------------------|----------------|
| 型号       | 进出水管口径         | 过滤面积             | 流量          | 0.4-0.8mm 砂量              | 缸体体积           | 缸体重量             | 缸头体积            | 缸头重量              | 泳池体积           |
| CB 13400 | 1.5"/50        | 0.13             | 4.6         | 112                       | 0.35           | 24               | 0.02            | 3                 | 30-40          |
| CB 13450 |                | 0.17             | 5.6         | 143                       | 0.42           | 27               |                 |                   | 40-50          |
| CB 13500 |                | 0.2              | 7           | 172                       | 0.5            | 30               |                 |                   | 50-60          |
| CB 13600 |                | 0.28             | 9.8         | 230                       | 0.68           | 33               |                 |                   | 60-80          |
| CB 13700 |                | 0.37             | 13.3        | 325                       | 0.89           | 42               |                 |                   | 80-105         |
| CB 15400 |                | 0.13             | 3.9         | 141                       | 0.38           | 28               |                 |                   | 25-35          |
| CB 15450 |                | 0.15             | 4.8         | 185                       | 0.48           | 32               |                 |                   | 35-45          |
| CB 15500 |                | 0.2              | 6           | 225                       | 0.56           | 35               |                 |                   | 45-55          |
| CB 15600 |                | 0.28             | 8.4         | 307                       | 0.78           | 39               |                 |                   | 55-70          |
| CB 15700 |                | 0.37             | 13.3        | 430                       | 1.03           | 47               |                 |                   | 70-105         |

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BA Series Side Mount of Deep Bed Sand Filter

BA 系列侧出高密度砂缸

BA Series Side Mount Sand Filter

BA 系列侧出砂缸

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Small filters use the multi-valve control the water,Big size filters use the butterfly valve, can choose install with sight glass or side manhole.This series of products can be made into sand filter ozone reaction tank,good performance in both UV-resistant and anti-chemical corrosion.Inlet and outlet adopt flexible interface or flange interface, Convenient and flexible.

Reaction formula:  $CT \geq 1.6$  Ozone demand:  $PO_3 = Q \times C \times X$  O<sub>3</sub> Ozone filter size:  $V = Q \times C / 60 \times t$ 。C-the amount of ozone added into water,t-the time about ozone and water reaction,V-the volume about ozone reactor. Qc-the circulating water of swimming pool.

深层高密度砂缸过滤器（食水缸），采用加高深度多层次结构方式加多滤料，高精度过滤，使水质更清澈、洁净，适用高标准高性能水处理工程要求，使过滤效果更加高效彻底；

规格小的缸体可采用缸头阀控制上进出水或侧进出水；规格大的缸体可采用碟阀组合控制侧进出水，可选择要求加装视镜或侧人孔。此款砂缸均可制作成臭氧反应罐，防腐性、耐化学反应能力强。进出口可采用活接或法兰式接口，方便灵活；

臭氧反应公式： $CT \geq 1.6$  臭氧需要量按： $PO_3 = Q \times C \times X$  O<sub>3</sub>，臭氧罐的大小可按： $V = Q \times C / 60 \times t$ 。式中 C=投加到水中的臭氧量，t= 臭氧与水所需接触反应的时间。V= 反应罐的容积，Qc 水池的循环水量；



ATTENTIONS

Turn off the water pump power before convert any function on the multi-valve,the temperature of the circulating water up to 50℃ (122°F). Sand filter maximum working pressure:2.5Kpa(250Kpa/36psi/2.5bar),the maximum pressure test is 4Kg(400Kpa/58psi/4.0bar).Can be produced according to specify different color, different degree of pressure.The maxium operating temperature is: 50℃ (122°F). The coarse silica sand specification is 0.5mm-0.8mm,Fine sand specifications is: 1mm-2 mm.

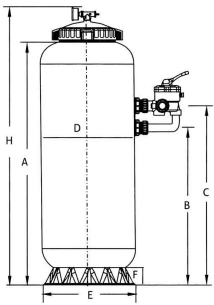
转换缸头多向阀上任何功能之前必须关掉水泵电源，循环水的温度最高为 50℃（122° F）。砂缸过滤器最大工作压力为：2.5Kg（250Kpa/36psi/2.5bar），最大测试压力为：4Kg（400Kpa/58psi/4.0bar）。可按指定不同颜色、不同耐压程度特殊订做，最高操作温度为：50℃（122° F）。缸体内所装石英砂规格为：0.5-0.8mm，粗砂规格为：1-2mm。

SAND FILTER SIZE

|        | BA13400 | BA13450 | BA13500 | BA13600 | BA13700 | BA15400 | BA15450 | BA15500 | BA15600 | BA15700 |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| D (MM) | 400     | 450     | 500     | 600     | 700     | 400     | 450     | 500     | 600     | 700     |
| H (MM) | 1162    | 1162    | 1162    | 1162    | 1162    | 1362    | 1362    | 1362    | 1362    | 1362    |
| E (MM) | 405     | 405     | 405     | 570     | 570     | 390     | 390     | 390     | 565     | 565     |
| A (MM) | 1062    | 1062    | 1062    | 1062    | 1062    | 1262    | 1262    | 1262    | 1262    | 1262    |
| F (MM) | 90      | 90      | 90      | 110     | 110     | 75      | 75      | 95      | 95      | 95      |
| B (MM) | 880     | 880     | 880     | 880     | 880     | 880     | 880     | 880     | 880     | 880     |
| C (MM) | 1000    | 1000    | 1000    | 1000    | 1000    | 1000    | 1000    | 1000    | 1000    | 1000    |

| Model    | Port Size (mm) | Filter Area (m²) | Flow (m³/h) | 0.5-0.8mm Sand Weight(kg) | Tank Vol. (m³) | Tank Weight (kg) | Valve Vol. (m³) | Valve Weight (kg) | Pool Size (m³) |
|----------|----------------|------------------|-------------|---------------------------|----------------|------------------|-----------------|-------------------|----------------|
| 型号       | 进出水管口径         | 过滤面积             | 流量          | 0.4-0.8mm 砂重              | 缸体体积           | 缸体重量             | 缸头体积            | 缸头重量              | 泳池体积           |
| BA 13400 | 1.5"/50        | 0.13             | 4.6         | 112                       | 0.35           | 24               | 0.02            | 3                 | 30-40          |
| BA 13450 |                | 0.17             | 5.6         | 143                       | 0.42           | 27               |                 |                   | 40-50          |
| BA 13500 |                | 0.2              | 7           | 172                       | 0.5            | 30               |                 |                   | 50-60          |
| BA 13600 |                | 0.28             | 9.8         | 230                       | 0.68           | 33               |                 |                   | 60-80          |
| BA 13700 |                | 0.37             | 13.3        | 325                       | 0.89           | 42               |                 |                   | 80-105         |
| BA 15400 |                | 0.13             | 3.9         | 141                       | 0.38           | 28               |                 |                   | 25-35          |
| BA 15450 |                | 0.15             | 4.8         | 185                       | 0.48           | 32               |                 |                   | 35-45          |
| BA 15500 |                | 0.2              | 6           | 225                       | 0.56           | 35               |                 |                   | 45-55          |
| BA 15600 |                | 0.28             | 8.4         | 307                       | 0.78           | 39               |                 |                   | 55-70          |
| BA 15700 |                | 0.37             | 13.3        | 430                       | 1.03           | 47               |                 |                   | 70-105         |

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Above size only for reference ,pls take shipping products size as correct.





CD/DA Series Depth Sand Filter  
CD/DA 系列深层过滤砂缸

Deep Bed Sand Filter(potable water tank),adopt with higher depth of multy-level structure way to add filter material, High precision filter,make sure the water is more clean,more healthy,apply to high standards of high performance water treatment engineering requirements,make the filtering more efficient.

Small filters use the multy-valve control the water,Big size filters use the butterfly valve, can choose install with sight glass or side manhole.This series of products can be made into sand filter ozone reaction tank,good performance in both UV-resistant and anti-chemical corrosion.Inlet and outlet adopt flexible interface or flange interface, Convenient and flexible.

Reaction formula:  $CT \geq 1.6$  Ozone demand:  $PO_3 = Q \times C \times t$   
O<sub>3</sub> Ozone filter size:  $V = Q \times C / 60 \times t$ 。C-the amount of ozone added into water,t-the time about ozone and water reaction,V-the volume about ozone reactor. Qc-the circulating water of swimming pool.

深层高密度砂缸过滤器（食水缸），采用加高深度多层次结构方式加多滤料，高精度过滤，使水质更清澈、洁净，适用高标准高性能水处理工程要求，使过滤效果更加高效彻底；

规格小的缸体可采用缸头阀控制上进出水或侧进出水；规格大的缸体可采用碟阀组合控制侧进出水，可选择要求加装视镜或侧人孔。此款砂缸均可制作成臭氧反应罐，防腐蚀、耐化学反应能力强。进出口可采用活接或法兰式接口，方便灵活；

臭氧反应公式：  $CT \geq 1.6$  臭氧需要量按：  $PO_3 = Q \times C \times t$   
O<sub>3</sub> 臭氧罐的大小可按：  $V = Q \times C / 60 \times t$ 。式中 C-投加到水中的臭氧量，t- 臭氧与水所需接触反应的时间。V- 反应罐的容积，Qc 水池的循环水量；



ATTENTIONS

Turn off the water pump power before convert any function on the multy-valve,the temperature of the circulating water up to 50℃ (122°F). Sand filter maximum working pressure:2.5Kg(250Kpa/36psi/2.5bar),the maxium pressure test is 4Kg(400Kpa/58psi/4.0bar).Can be produced according to specify different color, different degree of pressure.The maxium operating temperature is: 50℃ (122°F). The coarse silica sand specification is 0.5mm-0.8mm,Fine sand specifications is: 1mm-2 mm.

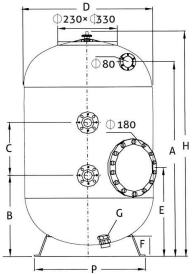
转换缸头多向阀上任何功能之前必须关掉水泵电源，循环水的温度最高为 50℃ ( 122° F ) 。砂缸过滤器最大工作压力为：2.5Kg ( 250Kpa/36psi/2.5bar ) ，最大测试压力为：4Kg ( 400Kpa/58psi/4.0bar ) 。可按指定不同颜色、不同耐压程度特殊订做，最高操作温度为 :50℃ (122° F)。缸体内所装石英砂规格为：0.5-0.8mm。粗砂规格为：1-2mm。

SAND FILTER SIZE

|        | CD/DA15800 | CD/DA15900 | CD/DA151000 | CD/DA151200 | CD/DA20800 | CD/DA20900 | CD/DA201000 | CD/DA201200 |
|--------|------------|------------|-------------|-------------|------------|------------|-------------|-------------|
| D (MM) | 800        | 900        | 1000        | 1200        | 800        | 900        | 1000        | 1200        |
| H (MM) | 1600       | 1600       | 1600        | 1600        | 2100       | 2100       | 2100        | 2100        |
| E (MM) | 520        | 520        | 520         | 600         | 520        | 520        | 600         | 600         |
| A (MM) | 1330       | 1330       | 1330        | 1330        | 1800       | 1800       | 1800        | 1800        |
| F (MM) | 115        | 115        | 140         | 165         | 115        | 115        | 140         | 165         |
| B (MM) | 550        | 550        | 550         | 650         | 800        | 800        | 800         | 800         |
| C (MM) | 350        | 350        | 350         | 350         | 350        | 350        | 350         | 350         |
| p (MM) | 690        | 760        | 830         | 980         | 690        | 760        | 830         | 980         |
| G (MM) | 60         | 60         | 60          | 60          | 60         | 60         | 60          | 60          |

| Model        | Port Size (mm) | Filter Area (m²) | Flow (m³/h) | 0.5-0.8mm Sand Weight(kg) | Tank Vol. (m³) | Tank Weight (kg) | Valve Vol. (m³) | Valve Weight (kg) | Pool Size (m³) |
|--------------|----------------|------------------|-------------|---------------------------|----------------|------------------|-----------------|-------------------|----------------|
| 型号           | 进出水管口径         | 过滤面积             | 流量          | 0.4-0.8mm 砂重              | 缸体体积           | 缸体重量             | 缸头体积            | 缸头重量              | 泳池体积           |
| CD/DA 15800  | 63             | 0.5              | 15          | 470                       | 200            | 1.55             | 75              | 90-120            | 30-40          |
| CD/DA 15900  | 63             | 0.64             | 19.2        | 590                       | 255            | 1.9              | 79              | 120-150           | 40-50          |
| CD/DA 151000 | 63             | 0.79             | 23.7        | 729                       | 301            | 2.28             | 90              | 150-200           | 50-60          |
| CD/DA 151200 | 90             | 1.13             | 33.9        | 842                       | 490            | 3.15             | 104             | 200-270           | 60-80          |
| CD/DA 20800  | 63             | 0.5              | 15          | 811                       | 200            | 1.98             | 102             | 90-120            | 80-105         |
| CD/DA 20900  | 63             | 0.64             | 19.2        | 1035                      | 255            | 2.45             | 110             | 120-150           | 25-35          |
| CD/DA 201000 | 63             | 0.79             | 23.7        | 1280                      | 301            | 2.92             | 125             | 150-200           | 35-45          |
| CD/DA 201200 | 90             | 1.13             | 33.9        | 1634                      | 490            | 4.06             | 147             | 200-270           | 45-55          |

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## CC Series Commercial Sand Filter

CC 系列商用大型砂缸

New spiral cover system which aids the operations of opening and closing.The air purge is built into the cover which can be efficient to release the air from the filter.

The distance between the upper part of the sand layer and the diffuser head("freeboard")has been increased to ensure greater distribution of water in the filtration phase and avoid sand being spilt into the drain during backwash.

The specially designed manhole in the sand filter can make the sand exchanging process more convenient and efficient.In the filtering process,the filtering effect of water can be observed through the perspective manhole which is designed in the sand filter.

Equipped with manual exhaust valve and exhaust pipe, which can automatically discharge the gas in running and debugging .

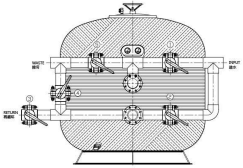
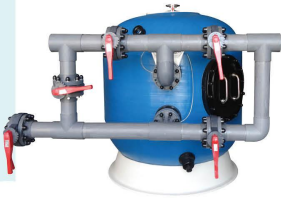
Commercial sand filter is used in larger size installations,such as commercial and communal swimming pool,aquatic park,aquariums and other place where need water treatment.

顶盖是采用快关原理设计，带一个顶置螺纹口压板，方便打开和关闭并有良好的密封效果；

另外增大滤床表面到布水头的距离，从而提高过滤阶段的布水效果，并避免在反冲洗时砂粒落入布水管内；

特别设计的侧人孔，使沙缸在换沙过程中更方便、高效，水过滤过程中，可通过设计的透视镜观察水质的过滤情况，并适时进行反冲洗操作，侧人孔和透视镜属可选配件；配有手动排气阀和缸内排气管，运行和调试时能自动排放缸内的气体。

商用大型砂缸适用于体积较大的场所，例如商业用水或公共游泳池，水上乐园，水族馆等水处理领域；



|             | ①     | ②     | ③     | ④     | ⑤     |
|-------------|-------|-------|-------|-------|-------|
| filter      | open  | close | open  | close | close |
| 过滤          | 开     | 关     | 开     | 关     | 关     |
| backwash    | close | open  | close | close | open  |
| 反冲洗         | 关     | 开     | 关     | 关     | 开     |
| rinse       | open  | close | close | open  | close |
| 漂洗          | 开     | 关     | 关     | 开     | 关     |
| waste       | open  | close | close | close | open  |
| 排污          | 开     | 关     | 关     | 关     | 开     |
| recirculate | close | open  | open  | close | close |
| 再循环         | 关     | 开     | 开     | 关     | 关     |

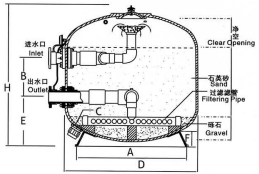
## ATTENTIONS

Turn off the water pump power before convert any function on the multy-valve,the temperature of the circulating water up to 50℃ (122°F). Sand filter maximum working pressure:2.5Kg(250Kpa/36psi/2.5bar),the maximum pressure test is 4Kg(400Kpa/58psi/4.0bar).Can be produced according to specify different color, different degree of pressure.The maximum operating temperature is: 50℃ (122°F). The coarse silica sand specification is 0.5mm-0.8mm,Fine sand specifications is: 1mm-2 mm.

转换缸头多向阀上任何功能之前必须关掉水泵电源，循环水的温度最高为 50℃ ( 122° F ) 。砂缸过滤最大工作压力为：2.5Kg ( 250Kpa/36psi/2.5bar ) ，最大测试压力为：4Kg ( 400Kpa/58psi/4.0bar ) 。可按指定不同颜色、不同耐压程度特殊订做，最高操作温度为 :50℃ (122° F)。缸体内所装石英砂规格为：0.5-0.8mm，粗砂规格为：1-2mm。

## SAND FILTER SIZE

|        | CC1200 | CC1400 | CC1600 | CC1800 | CC2000 | CC2300 | CC2500 | CD/DA201200 |
|--------|--------|--------|--------|--------|--------|--------|--------|-------------|
| D (MM) | 1200   | 1400   | 1600   | 1800   | 2000   | 2350   | 2500   | 1200        |
| H (MM) | 1400   | 1600   | 1750   | 1950   | 2140   | 2350   | 2450   | 2100        |
| E (MM) | 560    | 650    | 680    | 730    | 800    | 940    | 960    | 600         |
| A (MM) | 980    | 1215   | 1450   | 1610   | 1800   | 2010   | 2020   | 1800        |
| F (MM) | 165    | 165    | 215    | 215    | 240    | 240    | 240    | 165         |
| B (MM) | 340    | 340    | 450    | 550    | 550    | 600    | 600    | 800         |
| C (MM) | 60     | 60     | 60     | 60     | 60     | 60     | 60     | 350         |
| p (MM) | 690    | 760    | 830    | 980    | 690    | 760    | 830    | 980         |
| G (MM) | 60     | 60     | 60     | 60     | 60     | 60     | 60     | 60          |



| Model   | Port Size (mm) | Filter Area (m²) | Flow (m³/h) | 0Required Sand Weight (kg) | Required Gravel Weight(kg) | Pool Size (m³) |
|---------|----------------|------------------|-------------|----------------------------|----------------------------|----------------|
| 型号      | 进出水管口径         | 过滤面积             | 流量          | 所需细砂重量                     | 所需粗砂量                      | 泳池体积           |
| CC 1200 | 80             | 1.13             | 50          | 1250                       | 300                        | 270-360        |
| CC 1400 | 100            | 1.54             | 68          | 1760                       | 500                        | 360-480        |
| CC 1600 | 100            | 2.01             | 80          | 2450                       | 750                        | 480-640        |
| CC 1800 | 150            | 2.54             | 101         | 3100                       | 750                        | 640-800        |
| CC 2000 | 150            | 3.14             | 125         | 3800                       | 1150                       | 800-1000       |
| CC 2350 | 200            | 4.15             | 166         | 5030                       | 1600                       | 1000-1300      |
| CC 2500 | 200            | 4.9              | 200         | 5950                       | 2200                       | 1400-1600      |
| CC 3000 | 200            | 7.07             | 282         | 8600                       | 3300                       | 1600-2250      |

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CL Series Horizontal Sand Filter  
CL 系列商用卧式砂缸

Horizontal sand filters are made of reinforced with fiberglass;they are totally anticorrosive,and have high mechanical,chemical and thermal resistance.Higher quality water is achieved with their greater filtering capacity.Indexes of turbidity and contaminants of the filtered water are reduced due to their increased retention capacity.The time between backwashes increase proportionally with the height of the filter bed,meaning there are fewer interruptions in filtration,and lower water consumption,because the number of backwashes needed is decreased and there is less erosion of the filtering material.A horizontal filter is the ideal choice in cases where great volume of water need to be treated,and in cases which require optimization of the available space,as a single horizontal filter can substitute up to 3 vertical filters of the same diameter simply by increasing its length.Horizontal sand filter is used in large size installations,such as commercial and communal swimming pool,aquatic park,aquariums and water treatment.

商用卧式砂缸过滤器是由加强型树脂和玻璃纤维制成，它有出色的硬度、耐磨性、耐热性和抗腐蚀能力。以更大的过滤容量滤出更优质的水。被过滤的水的混浊和污染指数会因过滤器的保留容量的增加而减少。反冲洗之间的时间因应过滤器床的高度而相应增加，即在过滤过程中间断的时间减少，用水量亦会降低，这是由于反冲洗所需的次数减少了，从而减少对过滤材料的腐蚀。无论是需要过滤大量水量的地方，还是空间有限的地方，卧式过滤器都是理想的选择，因为一个卧式过滤器只需简单地增加其长度便可达至3个同等直径的立式过滤器的效果；商用卧式砂缸适用于体积较大的场所，例如商业用水或公共游泳池，水上乐园，水族馆等水处理领域；



ATTENTIONS

Turn off the water pump power before convert any function on the multy-valve,the temperature of the circulating water up to 50℃ (122°F). Sand filter maximum working pressure:2.5Kg(250Kpa/36psi/2.5bar),the maximum pressure test is 4Kg(400Kpa/58psi/4.0bar). Can be produced according to specify different color, different degree of pressure.The maximum operating temperature is: 50℃ (122°F). The coarse silica sand specification is 0.5mm-0.8mm,Fine sand specifications is: 1mm-2 mm.

转换缸头多向阀上任何功能之前必须关掉水泵电源，循环水的温度最高为 50℃ ( 122° F ) 。砂缸过滤器最大工作压力为：2.5Kg ( 250Kpa/36psi/2.5bar ) ，最大测试压力为：4Kg ( 400Kpa/58psi/4.0bar ) 。可按指定不同颜色、不同耐压程度特殊订做。最高操作温度为:50℃ (122° F)。缸体内所装石英砂规格为：0.5-0.8mm。粗砂规格为：1-2mm。

| Model     | Tank Dia (mm) | Tank Height (mm) | Tank Length (mm) | Flow (m³/h) | Filter Area (m²) | Port Size (mm) | Required Sand Weight (kg) | Required Gravel Weight (kg) | Pool Size (m³) |
|-----------|---------------|------------------|------------------|-------------|------------------|----------------|---------------------------|-----------------------------|----------------|
| 型号        | 砂缸直径          | 砂缸高度             | 砂缸长度             | 流量          | 过滤面积             | 进出水管口径         | 所需细砂重量                    | 所需粗砂重量 (kg)                 | 泳池体积           |
| CL 121900 | 1200          | 1390             | 1900             | 59          | 1.96             | 80             | 1100                      | 425                         | 230-300        |
| CL 122300 | 1200          | 1390             | 2300             | 73          | 2.42             | 80             | 1425                      | 550                         | 300-380        |
| CL 122500 | 1200          | 1390             | 2500             | 79          | 2.65             | 80             | 1750                      | 700                         | 380-430        |
| CL 122700 | 1200          | 1390             | 2700             | 86          | 2.87             | 100            | 2075                      | 825                         | 430-460        |
| CL 123000 | 1200          | 1390             | 3000             | 96          | 3.21             | 100            | 2325                      | 925                         | 460-510        |
| CL 141900 | 1400          | 1600             | 1900             | 67          | 2.23             | 100            | 2100                      | 575                         | 270-360        |
| CL 142500 | 1400          | 1600             | 2500             | 91          | 3.02             | 100            | 2825                      | 800                         | 460-510        |
| CL 143000 | 1400          | 1600             | 3000             | 110         | 3.67             | 100            | 3450                      | 1000                        | 270-360        |
| CL 161900 | 1600          | 1600             | 1900             | 74          | 2.47             | 100            | 2850                      | 600                         | 360-480        |
| CL 162500 | 1600          | 1600             | 2500             | 101         | 3.36             | 100            | 3875                      | 850                         | 480-580        |
| CL 163000 | 1600          | 1600             | 3000             | 123         | 4.1              | 150            | 4750                      | 1050                        | 300-390        |
| CL 182500 | 1800          | 1800             | 2500             | 112         | 3.74             | 150            | 4850                      | 975                         | 390-540        |
| CL 183000 | 1800          | 1800             | 3000             | 137         | 4.58             | 150            | 5925                      | 1225                        | 540-980        |
| CL 183500 | 1800          | 1800             | 3500             | 162         | 5.41             | 150            | 7000                      | 1475                        | 670-820        |
| CL 202500 | 2000          | 2000             | 2500             | 130         | 4.34             | 150            | 6575                      | 1050                        | 820-1000       |
| CL 203000 | 2000          | 2000             | 3000             | 159         | 5.3              | 150            | 8025                      | 1300                        | 1000-1300      |
| CL 203500 | 2000          | 2000             | 3500             | 187         | 6.25             | 150            | 9475                      | 1550                        | 1300-1500      |
| CL 204000 | 2000          | 2000             | 4000             | 216         | 7.21             | 200            | 10925                     | 1800                        | 1500-1800      |
| CL 204500 | 2000          | 2000             | 4500             | 245         | 8.16             | 200            | 12375                     | 2075                        | 1800-2000      |

以上数据仅供参考，以每次出货产品数据为准  
Above size only for reference ,pls take shipping products size as correct.



Sand Filter With Pump Combo ,which equipped top mount or side mount filter and corresponding matching filter pump self-priming cycle,drug delivery device is optional,easy to handle,easy to operate,save a space, strong and durable.Greatly improve the comprehensive performance and efficiency,resulting more customers select it for their swimming pools,fishpond and landscape pool.

砂缸连泵一体化过滤设备，过滤器配有顶出或侧出砂缸及对应匹配的自吸式循环过滤水泵，可选配安装投药器，操作简单，使用方便，节省空间，坚固耐用，大大提高了产品的综合性能和效率，是泳池、养鱼池、景观池用户首选



CP Top Mount Sand Filter With Pump Combo  
CP系列顶出砂缸连泵一体化

ATTENTIONS

Turn off the water pump power before convert any function on the multy-valve,the temperature of the circulating water up to 50°C (122°F). Sand filter maximum working pressure:2.5Kg(250Kpa/36psi/2.5bar),the maximum pressure test is 4Kg(400Kpa/58psi/4.0bar).The maximum operating temperature is: 50°C(122°F). The coarse silica sand specification is 0.5mm-0.8mm,Fine sand specifications is: 1mm-2 mm.Inside the tank body can fill filter material,soften the resin particles or activated carbon.Because of the differences in quartz sand specification in different regions, sand weight data are just for reference. The filter material not more than two-thirds of the sand tank volume,at least 20 cm below the water bucket. Transparent conducting sand filter plate in place before fill with the filter material,to prevent the filter material into the inside base pipe of the sand filter.

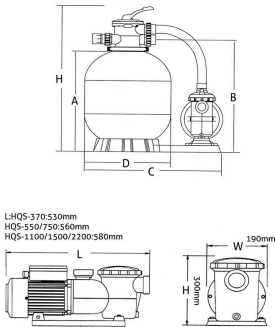
转换缸头多向阀上任何功能之前必须关掉水泵电源，循环水的温度最高为 50℃（122° F）。砂缸过滤器最大工作压力为：2.5Kg（250Kpa/36psi/2.5bar），最大测试压力为：4Kg（400Kpa/58psi/4.0bar）。最高操作温度为：50℃（122° F）缸体内所装石英砂规格为：0.5-0.8mm。粗砂规格为：1-2mm，缸体内滤料还可以为软化树脂颗粒或活性炭等。因各地区石英砂规格的差异，装砂重量数据仅供参考。所装滤料不要超过砂缸体积的 2/3，至少在分水斗以下 20cm 处。装滤料前把顶环上的透明导砂缸盖放置好，防止滤料进入砂缸中心管内部。

SAND FILTER SIZE

|        | CP400 | CP450 | CP500 | CP650 | CP700 |
|--------|-------|-------|-------|-------|-------|
| D (MM) | 400   | 450   | 500   | 650   | 700   |
| H (MM) | 700   | 750   | 800   | 900   | 980   |
| A (MM) | 455   | 505   | 555   | 655   | 735   |
| B (MM) | 480   | 520   | 580   | 680   | 776   |
| C (MM) | 700   | 700   | 700   | 900   | 900   |

| Model  | Port Size (mm) | Filter Area (m²) | Flow (m³/h) | 0.4~0.8mm Sand Weight (kg) | Matching Pump (HP) | Voltage (V) | Pool Size (m³) |
|--------|----------------|------------------|-------------|----------------------------|--------------------|-------------|----------------|
| 型号     | 进出水管口径         | 过滤面积             | 流量          | 0.4~0.8mm 砂量               | 匹配水泵               | 电压          | 泳池体积           |
| CP 400 | 1.5"/50        | 0.11             | 6           | 28                         | 0.5                | 220         | 42~50          |
| CP 450 |                | 0.14             | 7           | 50                         | 0.75               |             | 50~65          |
| CP 500 |                | 0.2              | 10          | 80                         | 1                  |             | 65~95          |
| CP 650 |                | 0.3              | 15          | 160                        | 1.5                |             | 95~130         |
| CP 700 |                | 0.37             | 18.5        | 220                        | 2                  |             | 130~165        |

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Above size only for reference ,pls take shipping products size as correct.



LHQ5-370x330mm  
HQ5-550/750x360mm  
HQ5-1100/1500/2200x580mm



CPS Side Mount Sand Filter With Pump Combo  
CPS 系列侧出砂缸连泵一体化

Sand Filter With Pump Combo ,which equipped top mount or side mount filter and corresponding matching filter pump self-priming cycle,drug delivery device is optional,easy to handle,easy to operate,save a space, strong and durable,Greatly improve the comprehensive performance and efficiency,resulting more customers select it for their swimming pools,fishpond and landscape pool.

砂缸连泵一体化过滤设备，过滤器组配有顶出或侧出砂缸及对应匹配的自吸式循环过滤水泵，可选配安装投药器，操作简单，使用方便，节省空间，坚固耐用，大大提高了产品的综合性能和效率，是泳池、养鱼池、景观池用户首选



ATTENTIONS

Turn off the water pump power before convert any function on the multy-valve,the temperature of the circulating water up to 50°C (122°F). Sand filter maximum working pressure:2.5Kg(250Kpa/36psi/2.5bar),the maximum pressure test is 4Kg(400Kpa/58psi/4.0bar).The maximum operating temperature is: 50°C(122°F). The coarse silica sand specification is 0.5mm-0.8mm,Fine sand specifications is: 1mm-2 mm. Inside the tank body can fill filter material,soften the resin particles or activated carbon.Because of the differences in quartz sand specification in different regions, sand weight data are just for reference. The filter material not more than two-thirds of the sand tank volume,at least 20 cm below the water bucket. Transparent conducting sand filter plate in place before fill with the filter material,to prevent the filter material into the inside base pipe of the sand filter.

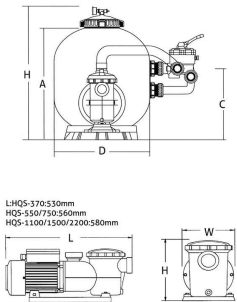
转换缸头多向阀上任何功能之前必须关掉水泵电源，循环水的温度最高为 50°C ( 122° F ) 。砂缸过滤器最大工作压力为：2.5Kg ( 250Kpa/36psi/2.5bar ) ，最大测试压力为：4Kg ( 400Kpa/58psi/4.0bar ) 。最高操作温度为：50°C ( 122° F ) 缸体内所装石英砂规格为：0.5-0.8mm。粗砂规格为：1-2mm，缸体内滤料还可以为软化树脂颗粒或活性炭等。因各地区石英砂规格的差异，装砂重量数据仅供参考。所装滤料不要超过砂缸体积的 2/3，至少在分水斗以下 20cm 处。装滤料前把顶环上的透明导砂缸盒放置好，防止滤料进入砂缸中心管内部。

SAND FILTER SIZE

|          | CPS450 | CPS500 | CPS650 | CPS700 |
|----------|--------|--------|--------|--------|
| D ( MM ) | 450    | 500    | 650    | 700    |
| H ( MM ) | 590    | 640    | 740    | 820    |
| A ( MM ) | 505    | 555    | 655    | 735    |
| C ( MM ) | 385    | 405    | 435    | 435    |

| Model   | Port Size (mm) | Filter Area (m²) | Flow (m³/h) | 0.4-0.8mm Sand Weight (kg) | Matching Pump (HP) | Voltage (V) | Pool Size (m³) |
|---------|----------------|------------------|-------------|----------------------------|--------------------|-------------|----------------|
| 型号      | 进出水管口径         | 过滤面积             | 流量          | 0.4-0.8mm 砂量               | 匹配水泵               | 电压          | 泳池体积           |
| CPS 450 | 1.5"/50        | 0.14             | 7           | 50                         | 0.75               | 220         | 50-65          |
| CPS 500 |                | 0.2              | 10          | 80                         | 1                  |             | 65-95          |
| CPS 650 |                | 0.3              | 15          | 160                        | 1.5                |             | 95-130         |
| CPS 700 |                | 0.37             | 18.5        | 220                        | 2                  |             | 130-165        |

以上数据仅供参考，以每次出货产品数据为准  
Above size only for reference ,pls take shipping products size as correct.



LHQ5-370530mm  
HQ5-550750560mm  
HQ5-110015002200580mm



CPP Series Side Mount Blow Molding Sand Filters  
CPP 系列顶出式吹塑缸连泵

Out from blow molding technology, high density, equal thickness. High level wear-resisting and anti corrosion. Longer life time to last. Easy to operate, easy to install, no maintainece requirement. Suitable use for swimming pool, SPA, Sea/Water breeding, industrial water treatment and agricultural irrigation.

采用最新的吹塑材料技术，用吹塑性塑料膜压成型，密度高，厚薄均匀。因其聚合物材质的特点具备有高抗磨和耐腐蚀的特点，从而延长了设备的使用寿命。多向阀门操作方便简单。独特的布水器与集水器形成均匀的水流，暗渠排水系统效率高。易于安装，无需维修。适用泳池及按摩池水过滤，海水、淡水养殖，水工业净化，农业灌溉。



ATTENTIONS

Out from blow molding technology, high density, equal thickness. High level wear-resisting and anti corrosion. Longer life time to last. Easy to operate, easy to install, no maintainece requirement. Suitable use for swimming pool, SPA, Sea/Water breeding, industrial water treatment and agricultural irrigation.

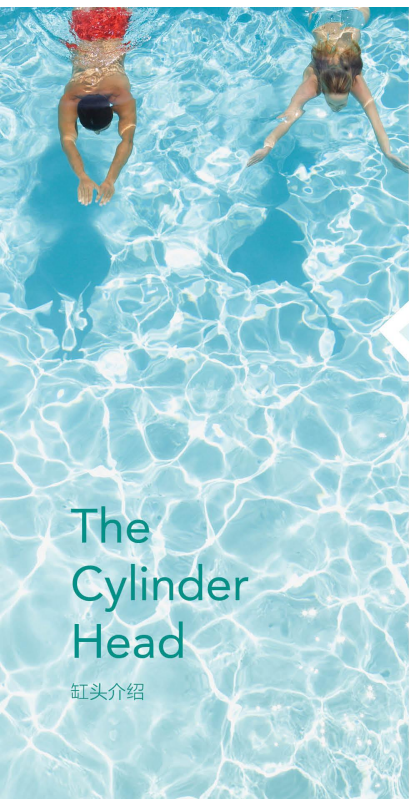
Blow molding sand filters maximum working pressure:2.5Kg(250Kpa/36psi/2.5bar).  
The maximum pressure test is 4Kg(400Kpa/58psi/4.0bar).  
The maximum operating temperature is: 50°C(122°F).  
The coarse silica sand specification is 1mm-2mm.

采用最新的吹塑材料技术，用吹塑性塑料膜压成型，密度高，厚薄均匀。因其聚合物材质的特点具备有高抗磨和耐腐蚀的特点，从而延长了设备的使用寿命。多向阀门操作方便简单。独特的布水器与集水器形成均匀的水流，暗渠排水系统效率高。易于安装，无需维修。适用泳池及按摩池水过滤，海水、淡水养殖，水工业净化，农业灌溉。

吹塑缸过滤器最大工作压力为：2.5Kg（250Kpa/36psi/2.5bar），  
最大测试压力为：4Kg（400Kpa/58psi/4.0bar）。  
最高操作温度为：50℃（122° F）  
缸体内所装石英砂规格为：1-2mm.

| Model  | Tank Size (inches/mm) | Port Size (inches/mm) | Filter Area (m²) | Flow (m³/h) | Power(kw) | Voltage(v) |
|--------|-----------------------|-----------------------|------------------|-------------|-----------|------------|
| 型号     | 规格                    | 管径                    | 过滤面积             | 流量          | 匹配水泵      |            |
| CPP400 | 400                   | 1.5"/50               | 0.11             | 6           | 0.37      | 220V       |
| CPP450 | 450                   |                       | 0.14             | 7           | 0.55      |            |
| CPP500 | 500                   |                       | 0.2              | 10          | 0.75      |            |
| CPP650 | 650                   |                       | 0.3              | 15          | 1.1       |            |

以上数据仅供参考，以每次出货产品数据为准  
Above size only for reference ,pls take shipping products size as correct.



缸头多向阀材料为进口 ABS 工程塑料制成，增加了材料的弹性、强度以及耐热、耐腐蚀性，而且表面光滑、亮度好，硬度高；360 度旋转六位缸头阀（多向阀），有顶出式和侧出式两种，均采用螺丝连接缸体，使连接更紧密，密封性更强。1.5 寸缸头连接缸体采用 8 颗螺丝；2 寸缸头采用 12 颗螺丝；缸头配备稳定、耐用、精确度高的监测压力的油压表，方便管控砂缸过滤器的运行压力，可及时排查压力故障。缸头还配有观察水质的视镜（滴水杯），可随时检查水质，适时进行反冲洗操作；缸头配备三个水口的连接，接管管口公英制通用，功能全面，方便适用，安装简单；

**过滤**  
水通过缸头同一侧有上下两个水口的上进水口进入，依次经过缸内滤料和过滤管，然后从缸头另一侧一个单独的排污口排放到指定的地方（排出缸体内及滤料上积累的污物）。可以通过排污口处的视镜观察水质变化，并结合压力表指针数值适时进行反冲洗操作；

**反冲洗**  
水通过缸头同一侧有上下两个水口的上进水口进入，依次经过缸内过滤管和滤料，然后从缸头另一侧一个单独的排污口排放到指定的地方（排出缸体内及滤料上积累的污物）。可以通过排污口处的视镜观察水质变化，并结合压力表指针数值适时进行反冲洗操作；

**漂洗**  
水通过缸头同一侧有两个水口的上进水口，依次经过缸内滤料和过滤管，然后从缸头的另一侧一个单独的排污口排放到指定的地方（排出剩余在水管内的污物或滤料中细小的颗粒）。一般在第一次使用前或反冲洗后使用这一功能，可以把不规则或过小的滤料颗粒、灰尘或管壁上的粘连物漂洗后经过排污口排出；

**再循环**  
也称不过滤器循环，即水经过缸头同一侧有两个水口的上进水口进入，不经过砂缸内部，直接从同一侧的下水口排出到水池里；

**排污**  
水经过缸头同一侧有两个水口的上进水口进入，不经过砂缸内部，然后从缸头另一侧一个单独的排污口排放到指定的地方；

**关闭**  
缸头控制阀所有功能关闭。  
注：转换缸头多向阀上任何功能之前必须关掉水泵电源，循环水的温度最高为 50°C（122°F）；



## The Cylinder Head

### Multy-valve(6 ways) function introduction

Multy-valve is made of import ABS material,increased the elasticity, tensile strength and heat resistance, corrosion resistance,and the surface is smooth, good brightness, high hardness.

360 degree rotating multy-valve have two models:top mount and side mount,both adopt cylinder screw connection,connect more closely,make leakproofness stronger. 1.5 inch valve is connected with 8 screws.2.0 inch valve is connected with 12 screws.

Multy-valve is equipped with stable, durable, high precision of supervisory pressure oil pressure gauge,convenient to control the operation pressure and eliminate pressure malfunction in time.

Multy-valve is also equipped with the sight glass,Can check the water quality, operate backwash timely.

Filter head is equipped with three water gap union ,pipe orifice(Metric/Inch). Fully functional, convenient and applicable, installation is simple

### Filtration

Filtering is cylinder head have two nozzle in the same side.The water flow into the inlet nozzle, take turns to go through the filter material,filter tube and then from the cylinder head out of the outlet and returned to the pool, normal circulation filter the water in the pond.

### Backwash

Backwash is the water flow into the inlet nozzle,take turns to go through the filter material,filter tube and then from the other side of the cylinder head a separate blowdown nozzle discharge to the designated place(Cleaning Filter by reversing the flow).By the sight glass in blowdown nozzle to observe the water qualitative change in back-flushing process, combined with the pressure gauge pointer value to determine the backwash operation.

### Rinse

Bleach wash is the water flow into the inlet nozzle,take turns to go through the filter material,filter tube and then from the other side of the cylinder head a separate blowdown nozzle discharge to the designated place(Use after backwash to flush dirt from valve or the tiny particles in the filter material).This function generally used before the first time or after the back wash.It can bleach wash the irregular small quartz sand particles, dust, or wall adhesion on the tube and discharge by blowdown nozzle.

### Recirculation

Recirculation is by passing filters for circulate water.The water flow into the inlet nozzle, do not pass through the sand cylinder internal,then from the cylinder head out of the outlet and returned to the pool.

### Pollution discharge

Pollution discharge is the water flow into the inlet nozzle, do not pass through the sand cylinder internal,then from the other side of the cylinder head a separate blowdown nozzle discharge to the designated place.

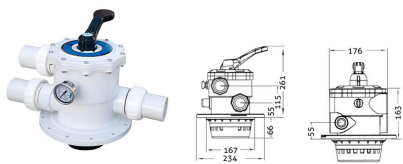
### Closed

Shuts off all flow to filter or pool.

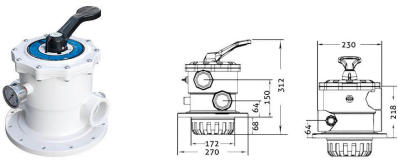
Attention: Turn off the water pump power before convert any function on the multy-valve,the temperature of the circulating water up to 50°C (122°F).

Multiport Valve

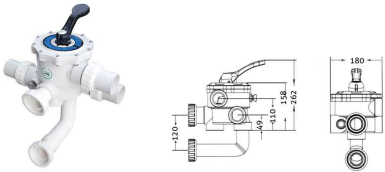
多功能阀门



1.5" 顶出缸头  
1.5"Top Mount Multiport Valve



2" 顶出缸头  
2"Top Mount Multiport Valve



1.5" 侧出缸头  
1.5"Side Mount Multiport Valve



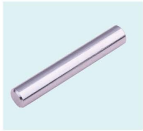
2" 侧出缸头  
2"Side Mount Multiport Valve

Cylinder Head Parts

缸头配件



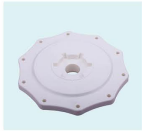
CS888088  
手柄



CS888089  
手柄销钉



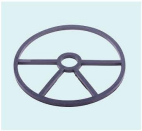
CS888090  
1.5 寸缸头盖



CS888091  
2 寸缸头盖



CS888092  
分水器



CS888093  
分水器密封圈



CS888094  
分水器辅弹簧



CS888095  
分水器辅垫片



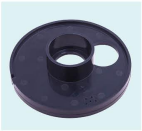
CS888096  
缸头体



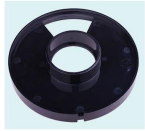
CS888097  
顶出缸式水压表



CS888098  
侧出缸式水压表



CS888099  
顶出 1.5 寸缸头分水阀



CS888100  
顶出 2 寸缸头分水阀



CS888101  
顶出缸头分水阀



CS888102  
清水杯（透明款）



CS888103  
排水阀



CS888104  
活度（公英制通用）

## Sand Cylinder Parts

砂缸配件



CS888105  
1.5 寸八爪鱼盖



CS888106  
2 寸八爪鱼盖



CS888107  
1.5 寸八爪鱼



CS888108  
2 寸八爪鱼



CS888109  
1.5 寸八爪鱼过滤管



CS888110  
2 寸八爪鱼过滤管



CS888111  
八爪鱼过滤管



CS888112  
中心管定位柱



CS888113  
顶环密封圈 (橡胶)



CS888114  
大型砂缸顶盖



CS888115  
大型砂缸分水斗



CS888116  
透视镜



CS888117  
底排砂



CS888118  
大型砂缸布水器



CS888119  
大型砂缸压力表盘



CS888120  
大型砂缸人孔 (检修口)

