## SPECIFICATIONS

| Key No. | Part No. | Description | Qty |
|---|---|---|---|
| 1 | 01111100 | Star-Shaped Nut | 1 |
| 2 | 03042001 | Bow-Shaped Metal Bar | 1 |
| 3 | 01161006 | Manhole Lid | 1 |
| 4 | 02100006 | Rubber Ring for Lid | 1 |
| 5 | 08010044 | Manometer Set for 06831200 | 1 |
| 5 | 08010045 | Manometer Set for 06831400/06831600 | 1 |
| 5 | 08010046 | Manometer Set for 06831800/06832000 | 1 |
| 5 | 08010047 | Manometer Set for 06832350/06832500 | 1 |
| 6 | 89012803 | 06831200 Filter Tank With Base | 1 |
| 6 | 89012809 | 06831400 Filter Tank With Base | 1 |
| 6 | 89012814 | 06831600 Filter Tank With Base | 1 |
| 6 | 89012819 | 06831800 Filter Tank With Base | 1 |
| 6 | 89012820 | 06832000 Filter Tank With Base | 1 |
| 6 | 89012830 | 06832350 Filter Tank With Base | 1 |
| 6 | 89012831 | Filter Tank with Base for 06832500 | 1 |
| 7 | 89012804 | The Inner Tank System for 06831200 | 1 |
| 7 | 89012810 | The Inner Tank System for 06831400 | 1 |
| 7 | 89012815 | The Inner Tank System for 06831600 | 1 |
| 7 | 89012823 | The Inner Tank System for 06831800 | 1 |
| 7 | 89012824 | The Inner Tank System for 06832000 | 1 |
| 7 | 89012834 | The Inner Tank System for 06832350 | 1 |
| 7 | 89012835 | The Inner Tank System for 06832500 | 1 |
| 8 | 89012807 | Sand Drain Set | 1 |
| 8 | 89012829 | 2.0"Sand Drain Set | 1 |
| 9 | 89010107 | Water Drain Set | 1 |
| 10* | 01172011 | Laterals (233mm) | * |
| 10* | 01172010 | Laterals (185mm) | * |
| 10* | 01172009 | Laterals (129mm) | * |

Notes:10* 06831200 should have 185mm x 8pcs and 233mm x 8pcs and 129mm x 8pcs of laterals
10* 06831400 should have 185mm x 4pcs and 233mm x 12pcs and 129mm x 12pcs of laterals
10* 06831600 should have 185mm x 8pcs and 233mm x 12pcs and 129mm x 12pcs of laterals
10* 06832000 should have 185mm x 8pcs; 233mm x 32pcs; 129mm x 8pcs of Laterals
10* 06832350/2500 should have 185mm x 40pcs; 233mm x 16pcs; 129mm x 48pcs of Laterals



## EMPTYING OF FILTER'S SAND

To change sand or filtration elements, proceed as follows:
- Remove top lid.
- Drain filter's water and sand through the lower drainage hole.
- If there is room, sand can be removed through the manhole.
- To refill the filter with sand, follow the instructions given in starting.

## OTHER RECOMMENDATIONS

If the equipment has been stopped during a long period of time, it is advisable to empty the water filter.
- If the filter is situated outside, it is advisable to paint it with a suitable product every two years.
- In standard filters, Pressure and temperature specifications must not be exceeded. Contact our technical department if you have any doubt about the use of our filter.
- During the washing process, pressure must never exceed 1 kg/cm² for filters with plate with nozzles.
- Optionally, high performance filters can also be delivered with lateral manhole and sight glass, As well as special inner finishes of high maintenance quality and chemical resistance.

## GUARANTEE

This filter has been manufactured using the best high technology materials and manufacturing process, going through strict quality tests on materials, finishes and performance.
All those bumps, rips and breakages caused by an inadequate use of the product or by ignoring our recommendations are not included in this guarantee.
The correct performance of the filter's tank and the internal components is guaranteed for 1 year.
These guarantees include only the replacement of defective parts. Further charges, as those works made by third parties, compensations, etc, will not be accepted by the manufacturer.

# SAND FILTER

Code: 06831200 / 06831400 / 06831600 / 06831800 / 06832000 / 06832350 / 06832500

## INTRODUCTION

This manual provides the necessary instructions to install, use and maintain bobbin wounded filters. In order to obtain the benefits that are indicated in the characteristics, all the instructions that appear in this manual must be followed. This will offer a safe and long-lasting installation. The equipment's supplier will provide further information to the user whenever it is needed.

## DESCRIPTION

1) Description.
These filters have been designed to provide water filtration in pools and water parks, also for all water treatments that require the elimination of suspended matter using the proper reduction of filtration element.
Apart from the filter itself, filtration and depuration process include some points that must be taken into account as they can influence the correct filter operation. These would be chemical water treatment, pump equipment, pipe segments and general hydraulic design.
When public pools are concerned, the current rules in each country should be observed, as the installation must follow them.
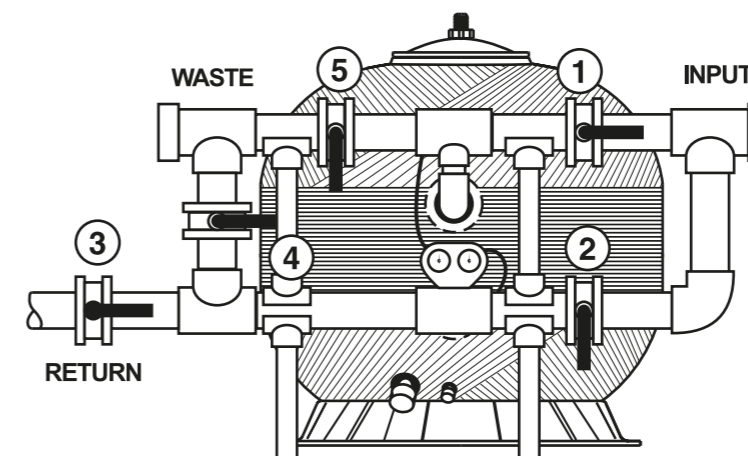The filtration quality depends on different parameters as depth of filtration bed, characteristics, quality and grade of filtration media, etc, as well as filtration rate.

2) Filter's Characteristics.

The tank is made of resin of polyester and glass fiber, totally anticorrosive. Inside, it contains collectors and diffusers made of unalterable plastic material (PVC and ABS), proof against salt-water. They are supplied for a working pressure of 2.5 kg/cm² to 4 kg/cm² and maximum temperature of 43°C. Other specifications can be supplied upon request. Filtration rates may be 20, 30, 40 and 50 m³/h/m², depending on the application and the kind of filtration elements that have been selected. Rate 50 is not advisable in public pools.

## WORKING PROCESS

It has to be done with the pump stopped and valves in position.



| | ① | ② | ③ | ④ | ⑤ |
|---|---|---|---|---|---|
| FILTER | open | close | open | close | close |
| BACKWASH | close | open | close | close | open |
| RINSE | open | close | close | open | close |
| WASTE | open | close | close | close | open |
| RECIRCULATE | close | open | open | close | close |

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