

Certikin SLX Filter Manual



* Colour and connection details may vary on some models

English

IMPORTANT: This instructions leaflet contains important information regarding the correct installation procedure and use of your bobbin wound sand filters. We therefore recommend that both the installer and users carefully read these instructions before attempting assembly and commissioning.

GENERAL SAFTY INSTRUCTIONS



These symbols indicate the possibility of danger if the respective instructions are not followed.



DANGER. There is a risk of injury to persons and of damage to property if this warning is not heeded.



CAUTION. There is a risk of damage to the equipment or the facilities if this warning is not heeded.

GENERAL INFORMATION

These filters have been designed for the filtration of swimming-pool water, aquatic parks and generally for use in water treatment where removal of suspended solids is required.

The quality of filtered water will depend on: the depth of filter bed, the type and quality of the filter media, and the selected rate of filtration.

In public swimming-pool installations, specific national regulations must be respected.

FILTER SPECIFICATION

The filter is made of polyester resin reinforced fibreglass.

Internals:

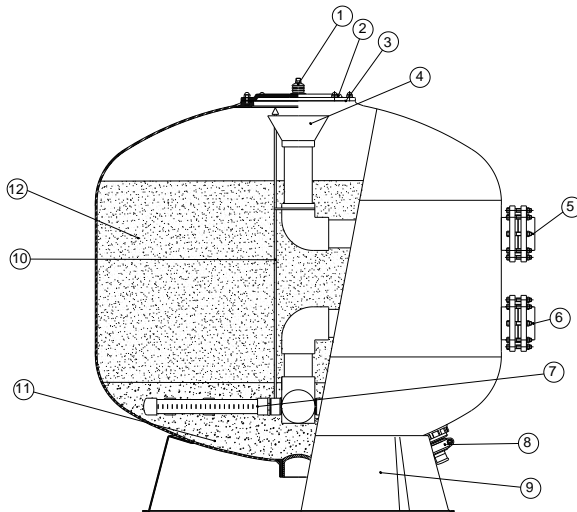
Water enters the filter via a conical diffuser at the top of the tank. Having passed through the media bed the filtered water is returned to the pool via the underdrain system usually consisting of collector arms (also known as 'candles' or laterals'), which have fine slots to prevent media from passing through them.. Filters with a nozzle plate underdrain system in place of the above are equipped with 50 nozzles per m².

The filters are available in a range of different filtration rates from 20-50m³/h/m² for different applications, with a working pressure of either 2.5 or 4 bar. Maximum operating temperature is 50°C. Other specifications are available on request.



CAUTION : For the bobbin wound filter with nozzle plate, the maximum admitted pressure is 1 b under the nozzle plate when back-washing.

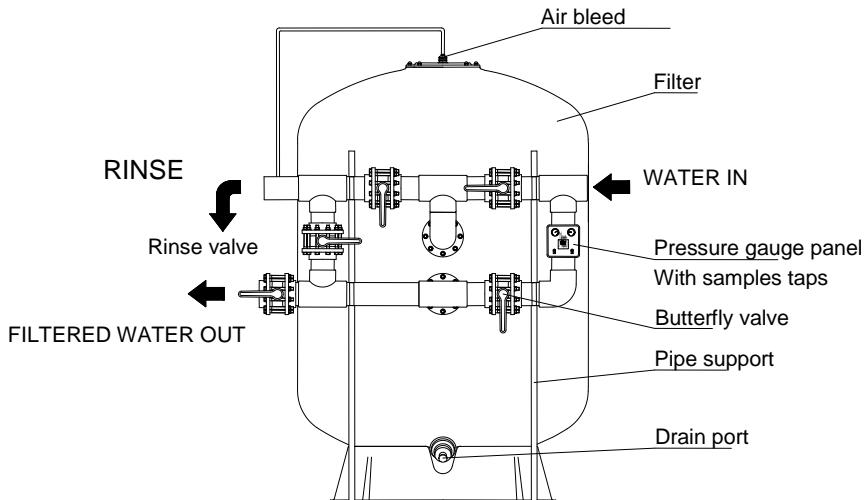
Fig. 1



1. Air bleed connection
2. Bolted lid
3. Lid 'O' ring
4. Conical diffuser
5. Water in
6. Filtered water out.
7. Collector arms.
8. Drain port..
9. Filter base.
10. Internal air bleed.
11. Gravel
12. Silica sand

INSTALLATION AND ASSEMBLY

Fig. 2



Before removing the filter from packaging check that it has not been damaged during transport or unloading.

- Place filter in its final location.
- Assemble the valve battery and connect to filter.
- Install battery supports adjusting height and level as required.
- Connect 'water in' to pump delivery line.
- Connect 'water out' to pool return line.
- Connect rinse according to local regulations.
- Connect air bleed

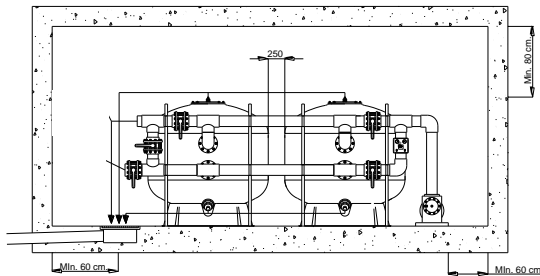
IMPORTANT: PLEASE READ BEFORE FILLING THE FILTER WITH MEDIA

- Check that the internal parts, collector arms etc., have not been damaged in transit.
- Fill the filter one-third with water before filling with media.

FILTER POSITION

The filter base should be positioned on a perfectly flat and level surface.
The filter should be installed in a readily accessible place for ease of inspection and maintenance.

Fig. 3



INSTALLATION OF THE VALVE BATTERY

The valve battery may be supplied with 4 or 5 valves depending on the selected model.

Threaded union (fig 4) or flanged connections (fig 5) are supplied depending on the connection size

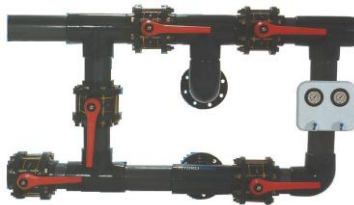


Fig. 4



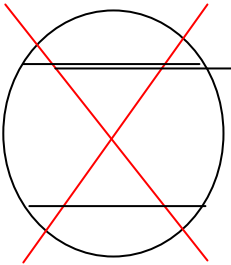
Fig. 5



UNLOADING THE FILTER

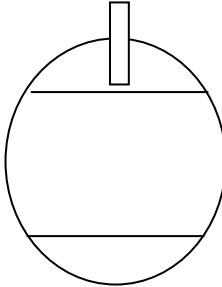
Do not lift the filter by the lid bolts!

Fig. 1



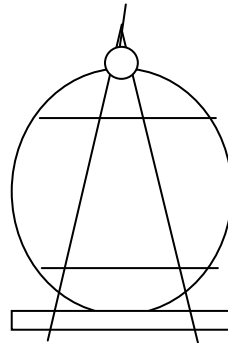
NO !

Fig. 2



O.K.

Fig. 3



O.K.

Check that the filters are correctly positioned.
Place the battery and its gaskets correctly to avoid any leakage.
Connect up the valve battery, after checking for any transit damage.
Secure the bolts.

PRESSURE GAUGE PANEL

Fig. 6



Normal pressure when filter is clean:

- Inlet pressure: 0,6 – 1 bar.
- Outlet pressure: 0,4 – 0,6 bar

When the pressure differential between the two gauges is equal to or greater than 0.5 bar then a backwash should be carried out.

BATTERY SUPPORTS

Pipe battery supports must be installed to prevent the filter from having to support the weight of the battery and water etc.



Take care when adjusting clamps to allow for material expansion during installation.

Fig. 7

