

General Description of the bfs-plug, Special plug I51F0V

The special plug I51F0V is designed for the automatic topping-up of batteries installed in the ELECTRIC VEHICLES industry.

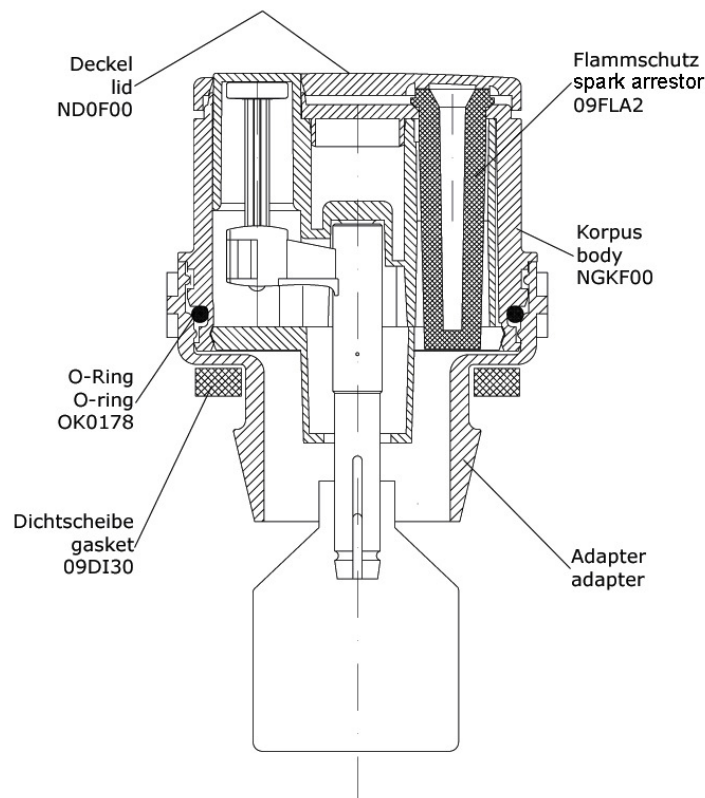
Description:

1. Plug

All components of the special plug are fitted in or on the plug housing. The design is identical to the bfs CLIP plug I51000. The function of this plug regarding topping-up with water is identical to the bfs standard version. Only the degassing of plug I51F0V has a completely different design.

2. Degassing / Service hole

On the special plug I51F0V the battery gasses can only escape via the service hole underneath the plug lid. A spark arrester is fitted into this hole (see sketch) designed to avoid an arc-through ignition from outside into the battery cell.



Of course the service hole can still be used for the control the electrolyte density with the bfs hydrometer. For this purpose the filter cartridge has pulled out of the service hole only.

ATTENTION: Beware of electrolyte residue. The filter cartridge must be replaced immediately afterwards.

3. Handling

- The spark arrestor/flame arrestor (09FLA2) should be replaced when the white insert becomes discoloured. Replacement frequency will depend on quantity of the gas discharge of the battery cells.
- To replace the insert, open the lid of the plug lid and then pull out the filter. Push in the new insert completely and close the lid again.

Attention: Beware of electrolyte residue.