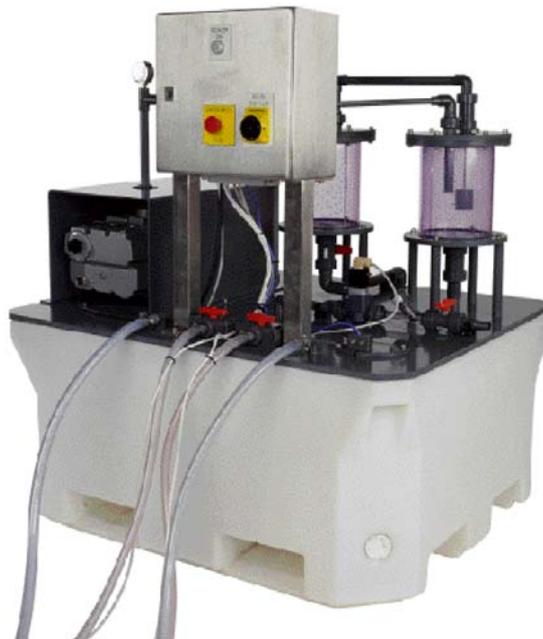


## ACID FILLER SF3

The SF3 is a vacuum filler designed for filling all types of SLI batteries that require a specific level of acid in each cell.

The machine consists of a tank equipped with valves and level control, protection vessels (to protect the vacuum pump/air ejector), return vessels, two handle connections and two filling handles. There are different filling handles to choose from with 1, 2, 3 or 6 nozzles both for automotive and motorcycle batteries. An electrical cabinet as well as a vacuum pump/air ejector is mounted on the tank. With two ejectors, two handles can be used at the same time. The tank is also fitted with an inlet valve. This valve, which is controlled by a level sensor in the tank, will automatically open when the tank needs to be refilled. The machine can be easily moved with a fork lift.

The tank is made of PE and the electrical cabinet is made of acid-proof stainless steel. The filling handles are made of PVC/Hc267



### Principle of operation:

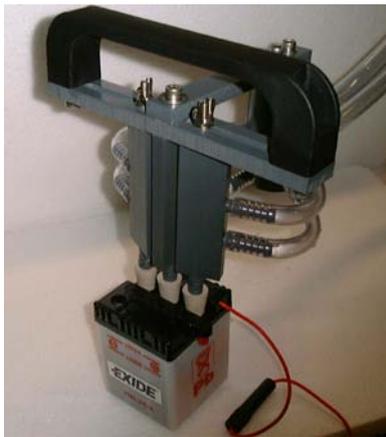
The operator selects which of the filling handles to use (depending on type of battery) by opening a manual ball valve. The desired level of filling is adjusted by increasing or reducing the number of spacers on the nozzle. When the filling nozzles have been placed on the battery so that the rubber seals close tightly around the vent plug holes, the start button on the handle is pressed. The vacuum system starts and the negative pressure created by the system draws acid from the tank into the battery cells.

When the battery is filled acid overflows into the return vessel. The filling handle should then be wiggled back and forth to obtain an even level.

## ACID FILLER SF3

The start button is then released, the vacuum system stops and the acid collected in the return vessel will drain back into the tank.

The acid storage is filled automatically from the factory's main acid supply.



Filling handle with 3 nozzles for motor cycle batteries



Filling handle with 6 nozzles for automotive batteries.

### FEATURES:

- Simple design
- Easy and safe to use
- Minimum drip
- Different filling handles for automotive and motorcycle available
- Two filling handles can be used at the same time
- The machine can be easily moved by a fork lift

### TECHNICAL DATA:

	Vacuum pump	Air ejector
Capacity (12V 60A):	~120 batteries/hour	~100 batteries/hour
Accuracy:	±1mm	±1mm
Dimensions LxWxH	920x400x610	680x400x500
Voltage:	400v-50Hz	-
Total power consumption:	<1kW	-
Pressure:	6bar	6bar
Connections:	R $\frac{1}{2}$ "	R $\frac{1}{2}$ "
Air consumption	-	400Nl/min
Acid connection:	3 x Ø20	3 x Ø20
Tanks:	-	-
PLC system:	-	-
OP:	-	-