



# **SPECIAL** Vending Filtration System

# Overview

- ▶ A new product is available to help combat the problem of hard scale build up inside coffee/vending machines, thus reducing time consuming maintenance and the need to replace costly internal machine parts.
- ▶ The filtering process ensures better tasting products, therefore less negative customer feedback.
- ▶ Models available :
  - SP510 - 10" Filter with auto water shut off head and 12,000 Ltr capacity.
  - SP520 - 20" Filter as above with 25,000 Ltr capacity.
  - ID Scale Service Filter – re usable.
  - ID Scale – bio-degradable descale fluid.

# Current Issues

## ➤ Scale build up

One of the biggest problems inside coffee machines and water boilers is hard scale build up. This causes temperature problems and machine failures.



The above pictures show an example of the damage that can come from acidic water inside coffee machines.

Some Ion Exchange filters try to alleviate this problem by blending a percentage of untreated water with treated water to re-raise the PH level of the water, but in the long run this will cause hard scale build up.

Any system that is checked upon installation, that has a variable percentage bypass system should in reality be checked each month to make sure that the PH level has not dropped after usage as water changes over time. This is why Ion Exchange filters are not ideally suitable for the vending/hot drinks industry.

➤ Wasting time and money

- Lengthy servicing and maintenance
- Call outs to faulty machines
- Costly replacement parts
- Time consumed dealing with customer complaints



➤ Taste Issues

- Some companies use Ion Exchange media type filters that can cause the inlet water PH level to drop below 7.
- At 6.5 PH or less, the water becomes acidic and this can lead to metallic tasting water or corrosion inside the boiler of the machine. This in turn will result in customer complaints and service call outs.



# The Solution

- ▶ Preventing scale build up

Our SP filters do not **need** a bypass system, they do not **alter** the PH of the water like Ion Exchange media, but they do **stop** hard scale build up.

The SP filters, if used in conjunction with our ID Scale service filter and fluid will stop all hard scale build up for the entire life of the machine.

The service filter can also be used as a sanitisation filter, all with Biodegradable fluids.

Before.....



After.....



- ▶ Saving time and money

By using this new concept in filtration and servicing, less time and money will be spent or wasted on unnecessary maintenance of machines.

- ▶ Combatting taste issues

Our system does not alter the PH level of the water, therefore it cannot cause taste issues associated with traditional filter systems.



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# How it Works

- ▶ Removal of the hot tank is not necessary when using our new system as everything can be done on site with minimal removal of parts
- ▶ Our Bio-degradable liquid will NOT damage seals, textiles or flooring.

## Directions for use

1. Remove old filter
2. Insert service cartridge into SP filter head with ID scale already present.
3. Turn on machine and run through flushing programmes until red liquid (ID Scale) can be seen exiting the dispenser.
4. Leave the machine to stand (existing SP filter previously used 15 minutes OR other filter previously used 45 minutes)
5. Remove service cartridge and insert new SP filter, if drain is available on the hot tank then empty tank
6. Flush through all programmes until water dispenses clear.



# Specifications

## SP510

- 10 inch
- Auto water shut off head
- 12,000 Ltr capacity.

## SP520

- 20 inch
- Auto water shut off head
- 25,000 Ltr capacity.

•ID Scale Service Filter – re usable, easy fill and used in conjunction with the SP Filter range

•ID Scale – bio-degradable descale liquid





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