

- **Sample preparation system for automatic Monitors**

Applications

- **Sewage and industrial water treatment plants**
- **Degreasing baths**
- **Sludge**
- **Automatic washing installations**
- **Rubbish tip leachate**

CeraClean removes solids, colloids and high molecular weight interfering substances from dirty samples.

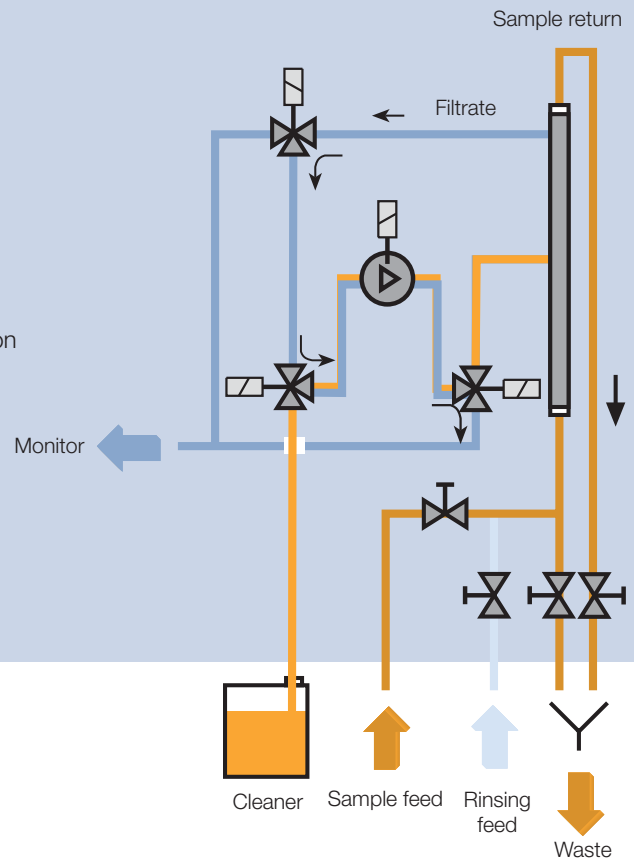
CeraClean



CeraClean is used with the Bran+Luebbe Monitor 90 S and DiaMon, delivering a continuous supply of purified sample for analysis. CeraClean advantages compared to other filters:

Advantages

- Low dead volume gives rapid response time
- Robust construction for long life
- resistant to strong chemicals
- Longer cleaning intervals
- Smaller size
- Lower energy consumption
- Lower operating costs
- Supplied premounted for easy installation



Operation

A sample stream of about 3 m³/h is pumped through the CeraClean.

Filtrate passes through the special filter tube and is pumped to the analyzer. Blockages are minimized by a special tangential flow through the filter, and automatic back-flushing extends the filter life to several weeks between cleaning.

CeraClean is specially designed for low energy consumption and low maintenance costs, which are provided by the automatic cleaning and a small feed pump.

Technical Data

Solids separation

Standard filter tube removes solids, colloids and compounds larger than 0.4 µm) Other filter types available (apprx. 80 µm for TN/TP)

Sample temperature

> 10°C - 100°C

Chemical resistance

pH 1 - 13

Sample pressure

1 - 2 bar

Sample flow rate

min. 1 - 3 m³/h

Filtrate flow rate

at least 2 l/h

Ambient temperature

0 - 45°C

Cleaning interval

2 - 8 weeks, depending on sample contamination

Power requirements

97 V - 265 V, 48 Hz - 62 Hz, ca. 70 VA

Dimensions (HxWxD)

1000 x 500 x 240 mm