


1.3 ViscoPump III

The ViscoPump exists currently in the 3rd generation. It is included in all AVS® devices and has several central functions:

- The signals of automatic meniscus detection - from measuring stands in the case of optical detection or TC viscometers - are evaluated to determine the flow time.
- With a built-in pump, the liquid is pneumatically pumped up into the measuring bulb of the viscometer.
- The available working modes are either the classic pressure or the suction mode. The operation (by suction of the liquid in the capillary tube) has advantages in some applications, in particular in automated measuring stations with a waste system.
- The built-in micro-processor controls the pumping process via several adjustable parameters.
- In the case of a connected waste system, the discharging by an external pump is also controlled by the ViscoPump III.

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Ordering information

Type No.	Order No.	Description
VZ 8561	285424060	ViscoPump III for optical detection
VZ 8562	285424070	ViscoPump III for TC detection

The core of all AVS® systems

The measurement control by the ViscoPump is part of the modular device concept of AVS® systems:

- In multi-channel systems, one ViscoPump III controls the measurement at one measuring position.
- When servicing, a ViscoPump III can be easily replaced by the user.

Despite a new microcontroller, the new ViscoPump III is functionally compatible with its predecessors ViscoPump and ViscoPump II: Existing ViscoPump modules from older generations can be replaced by the new ViscoPump III. Also a mixed assembly in multi-channel systems, e.g. with ViscoPump II and ViscoPump III, is possible.

The ViscoPump III is available in two versions, for optical or TC detection.

The ViscoPump III is usually delivered in a package together with other components as a complete AVS® system, and only ordered separately in case of replacement or upgrade to additional measuring positions.

- ▶ Optimized command sequences of ViscoPump III compared to ViscoPump II
- ▶ Compatible to earlier versions
- ▶ Update possible via internal USB port
- ▶ Modular concept
- ▶ In case of service, the ViscoPump III can be easily replaced by the user.
- ▶ Pumping mode reversible, between suction and pressure mode
- ▶ Proven mechanical components (pump, valve) of high durability

Benefits
ViscoPump III

