

S 8515 vacuum degasser

The S 8515 vacuum degasser is an online degasser system with high efficiency.

Dissolved gases are removed from the solvents by applying vacuum to a semi-permeable membrane.

High efficiency

The high efficient Teflon-AF® capillary has a much higher efficiency than a normal Teflon capillary of similar size.

This allows the usage of a smaller length of capillary to reduce the dead volume of the system considerably.

Operation modes

The S 8515 vacuum degasser can be run either with constant speed or in hysteresis mode, which switches the vacuum pump on or off.

5-Year membrane warranty

The S 8515 vacuum pump uses a membrane for creating the vacuum. This membrane is made of a specific Teflon material specifically designed for fast movements. Schambeck SFD GmbH offers a 5-year warranty on the lifetime of this membrane.

Multi - channel

The S 8515 vacuum degasser is available as 1-channel, 2-channel, 3-channel or 4-channel version and also in a PEEK—metal free version. Each solvent channel can be used for a different solvent or several channels can be used in series to increase the efficiency even more.



Figure: S 8515 vacuum degasser

Schambeck SFD GmbH

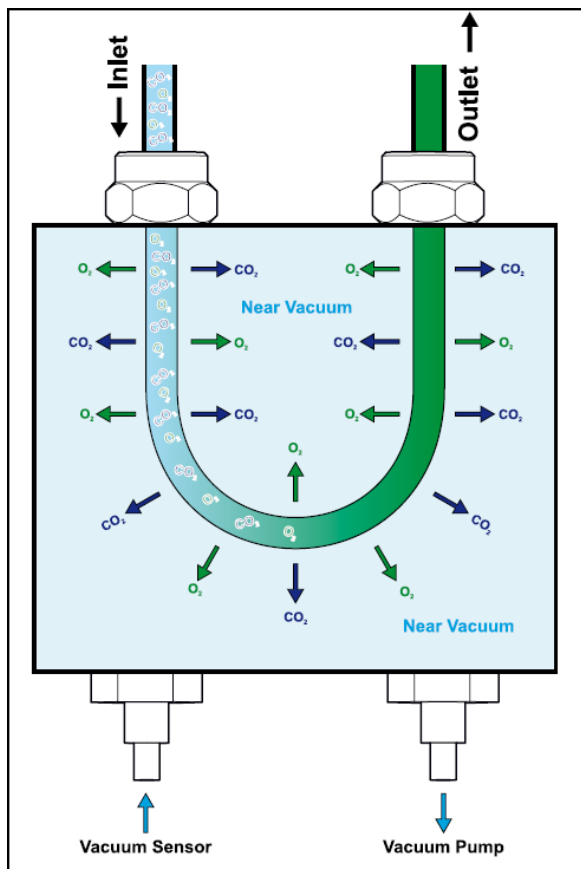
Drieschweg 13A
D-53604 Bad Honnef/Germany

Phone: +49 2224 9239 - 0
Fax: +49 2224 9239 - 20
E-Mail: mailto@schambeck-sfd.com
Internet: www.schambeck-sfd.com

S 8515 vacuum degasser

Working principle

The solvent flows through a short length of Teflon AF® capillary inside a sealed chamber. This chamber (vacuum chamber) is completely sealed to the environment and vacuum is applied with a pump. Due to this vacuum any dissolved gases in the solvent running through the inner capillary are removed through its semi-permeable membrane wall. The high efficiency of the Teflon AF® material allows the usage of a very short length of capillary inside the vacuum chamber.



Technical specifications*

Wetted Materials: Teflon AF®, Teflon, Stainless Steel, Aluminium, EPDM

Degassing Capacity: < 20% dissolved gases remaining in water at 1.0 ml/min

Volumn /Channel: < 500 µl

Dimensions: 125 x 167 x 270 mm (W x H x D)

Weight: 3,2 kg

Power Supply: 100 - 250 V (47—63 Hz)

* depending on configuration

Schambeck SFD GmbH

Drieschweg 13A
D-53604 Bad Honnef/Germany

Phone: +49 2224 9239 - 0

Fax: +49 2224 9239 - 20

E-Mail: mailto@schambeck-sfd.com

Internet: www.schambeck-sfd.com

Order Information

Part-no.	Description
S 8515 – 1A	S 8515 vacuum degasser - 1 Channel
S 8515 – 2A	S 8515 vacuum degasser - 2 Channel
S 8515 – 3A	S 8515 vacuum degasser - 3 Channel
S 8515 – 4A	S 8515 vacuum degasser - 4 Channel
S 8515 – 1AP	S 8515 vacuum degasser - 1 Channel / PEEK—metal free
S 8515 – 2AP	S 8515 vacuum degasser - 2 Channel / PEEK—metal free
S 8515 – 3AP	S 8515 vacuum degasser - 3 Channel / PEEK—metal free
S 8515 – 4AP	S 8515 vacuum degasser - 4 Channel / PEEK—metal free