SPIROVENT® SUPERIOR S400
SPIROVENT® SUPERIOR S600

performance

reliability

efficiency

High performance vacuum deaeration

First-class vacuum degassing of system water
for sustainable plant performance

SPIROTECH

DVC

Maximising Performance for You

Introducing the new SpiroVent® Superior S400 and S600 models

Spirotech has completely re-engineered its fully automatic SpiroVent Superior vacuum deaerators. With increased performance and menu-guided commissioning, the S400 and S600 are now capable of servicing even higher system volumes than before. Furthermore, the new platform allows remote access and operation via the cloud.

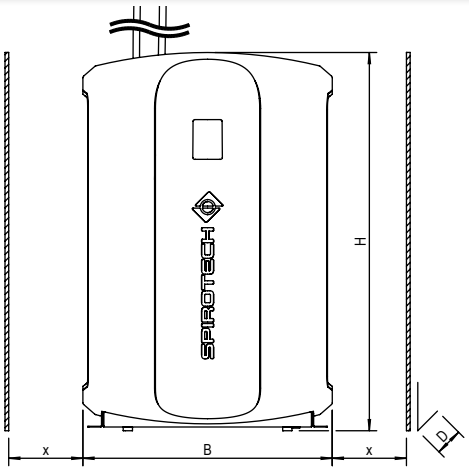
How does it work?

A quantity of system fluid is taken from the circulating flow and subjected to vacuum conditions. This causes all free air, microbubbles and dissolved gasses to be released from the fluid. These liberated gases accumulate at the top of the internal vessel and are removed via an airvent. The degassed and absorptive fluid is then returned into the system and will absorb and dissolve gasses again. By continuously degassing portions of the system fluid, the negative effects of air and gas on the system's performance and energy consumption are reduced to the bare minimum.

The new SpiroVent Superior S400 can process system volumes up to 100 m^3 and the new SpiroVent Superior S600 up to 325 m^3.

Product benefits and technical data sheets

- Increased system volume range
- Integrated automatic refill system
- Easy, menu-guided commissioning
- Remote access
- 2 year guarantee



		SpiroVent Superior S400 MV04A50	SpiroVent Superior S600 MV06A50
Design criteria			
Medium	-	Water / Glycol (max. 40 %)	Water / Glycol (max. 40 %)
Processing capacity	*l/h*	500	1.000
Recommended system volume	*m^3*	100	325
Min. pressure	*bar-g*	1	2,5
Max. pressure	*bar-g*	4	6
Min. temperature	*°C*	> 0	> 0
Max. working temperature	*°C*	90	90
Ambient temperature	*°C*	0 - 40	0 - 40
Dimensions & weight			
Height (H)	*mm*	930	1.020
Width (B)	*mm*	346	673
Depth (D)	*mm*	334	360
Dry weight (approx.)	*kg*	34	62,3
Noise level	*dB (A)*	55	57
Interface			
Touch screen	-	x	x
Wired LAN	-	x	x
Wi-Fi	-	optional	optional
Remote monitoring	-	x	x
Remote control	-	optional	optional
SSL-data encryption	-	x	x

Available versions			
Refill - breaktank	-	MV04**B**50	MV06**B**50 / MV06**B**60
Refill - direct	-	MV04**R**50	MV06**R**50 / MV06**R**60
Insulation built-in	-	optional	optional
60 Hz	-	-	optional

When should a vacuum degasser be used?

How to select the right SpiroVent Superior?

A vacuum degasser should be used for systems with many branches and a low flow velocity. However, these products are also an ideal choice when the system has a small temperature differential, or an inline deaerator cannot be installed. When it cannot be predicted where gases are released from the water or when that point has a very low flow rate.

With the addition of the new SpiroVent Superior S400 and S600 models, the choice for the right vacuum degaser becomes even easier. Thanks to their fix pressure range (1 - 4 bar and 2,5 - 6 bar) the new products are optimised to perform as excellent at the top end of their peek pressure, as at the low-end of the scale.

To help with the selection process, the following chart has been developed to visualize the difference between the various products in the Superior range.