

VACUUM DEGASSERS

SPIROVENT[®] SUPERIOR



Industry leading
2-year guarantee



Quick and easy
installation



Energy saving



Works perfectly with all
common expansion systems



Protection against
excessive refilling



Significantly reduced
commissioning times

All images used are for illustrative purposes only. Individual features like material used (i.e. brass or steel) may vary, as may guarantee.

SUPERIOR

SPIROVENT® SUPERIOR



BENEFITS OF SPIROVENT SUPERIOR

- Removes all gases, free air, microbubbles and dissolved gases
- Absorptive fluid also ensures the removal of trapped gas bubbles
- Easy installation, which greatly reduces commissioning and handover
- Energy-efficient whilst still achieving the lowest possible gas concentration thanks to SmartSwitch
- Degassed (re)filling and sustained pressure
- Warns before (re)filling becomes excessive
- An extensive range for a wide variety of systems
- Can team up with all common expansion systems
- Two-year guarantee

SPIROVENT SUPERIOR

The SpiroVent Superior is a fully automatic vacuum degasser for heating, cooling and process systems. Because of the fully electronic control system, the Superior offers numerous options for reading system information, status and logged data.

HOW DOES IT WORK?

A pump takes a quantity of system fluid from the circulating flow. Closing a solenoid valve creates a vacuum so that the dissolved gases emerge from the water. These accumulate at the top of the vessel and are released via the air vent. The degassed and absorptive fluid is then returned into the system and will absorb gases again. There are various reasons why gas will always be able to enter a system. Therefore, vacuum degassing is not a one-time process but a continuous requirement.

As soon as any gases are removed, it is registered by the integrated SmartSwitch. If the SmartSwitch has not registered anything for a set amount of time, the SpiroVent Superior detects that the quantity of all gases, including dissolved gases, has reached the minimum value. The degassing process will then stop automatically and start again at the next pre-set time, so the device is only operated when necessary. As a result, energy consumption is kept to a minimum and the life of costly components is extended significantly.



When should a vacuum degasser be used?

- For systems with many branches and a low flow velocity.
- When the system has a small temperature differential.
- When 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.

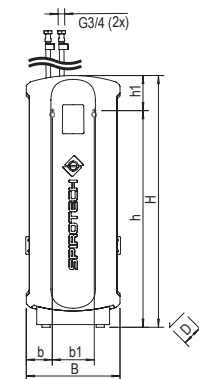
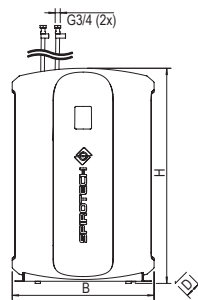
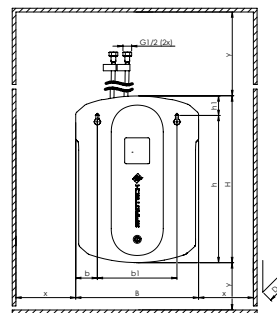
SPIROVENT® SUPERIOR – SpiroVent Superior vacuum degasser for heating and cooling systems

STANDARD

Art.-No.	Type	H	B	D	x	y	con- nection inlet	int.	con- nection outlet	int.	con- nection main- refill	int.	Max. system volume	Temp. range	Op. pres- sure	Weight	Max. glykol
		[mm]	[mm]	[mm]	[mm]	[mm]							[m³]	[°C]	[bar]	[kg]	[%]
MV02A50	S250	524	386	252	>250	>250	G½	(F)	G½	(F)	-	-	5	15–70	0,5–2,5	11	-
MV04A50	S400	930	346	334	>600	>600	G¾	(F)	G¾	(F)	-	-	100	0–90	1–4	34	40
MV04B50	S400B	930	346	334	>600	>600	G¾	(F)	G¾	(F)	G¾	(F)	100	0–90	1–4	35	40
MV04R50	S400-R	930	346	334	>600	>600	G¾	(F)	G¾	(F)	G¾	(F)	100	0–90	1–4	34	40
MV06A50	S600	1.020	673	360	>600	>600	G¾	(F)	G¾	(F)	-	-	325	0–90	2,5–6	62	40
MV06AL50	S600-L	1020	673	360	>600	>600	G¾	(F)	G¾	(F)	-	-	325	0–90	1–3	62	40
MV06B50	S600-B	1.020	673	360	>600	>600	G¾	(F)	G¾	(F)	G¾	(F)	325	0–90	2,5–6	63	40
MV06BL50	S600-BL	1020	673	360	>600	>600	G¾	(F)	G¾	(F)	-	-	325	0–90	1–3	62	40
MV06R50	S600-R	1.020	673	360	>600	>600	G¾	(F)	G¾	(F)	G¾	(F)	325	0–90	2,5–6	64	40
MV06RL50	S600-RL	1020	673	360	>600	>600	G¾	(F)	G¾	(F)	-	-	325	0–90	1–3	62	40
MA10A50	S10A	1.272	744	400	-	-	G¾	(F)	G¾	(F)	-	-	300	0–90	5–10	77	40
MA10R50	S10A-R	1.272	744	400	-	-	G¾	(F)	G¾	(F)	G¾	(F)	300	0–90	5–10	79	40

 Temperature
max. 90 °C

A = Degasser only, B = Break tank, R = Direct refill, L = Low pressure


SPIROVENT
SUPERIOR S400

SPIROVENT
SUPERIOR S600

SPIROVENT
SUPERIOR S250

SUPERIOR
CUSTOM

Please visit page 30 for further information on our custom products.


Have you thought of a dirt separator?
Learn more on page 13.

SPIROVENT® SUPERIOR – SpiroVent Superior vacuum degasser for heating and cooling systems

SPECIAL

Art.-No.	Type	H	B	D	x	y	con- nection inlet	int.	con- nection outlet	int.	con- nection main- refill	int.	Max. system volume	Temp. range	Op. pres- sure	Weight	Max. glykol
		[mm]	[mm]	[mm]	[mm]	[mm]							[m³]	[°C]	[bar]	[kg]	[%]
MV04A50I	S400-I	930	346	334	>600	>600	G¾	(F)	G¾	(F)	-	-	100	0-90	1-4	34	40
MV04B50I	S400-BI	930	346	334	>600	>600	G¾	(F)	G¾	(F)	G¾	(F)	100	0-90	1-4	35	40
MV04R50I	S400-RI	930	346	334	>600	>600	G¾	(F)	G¾	(F)	G¾	(F)	100	0-90	1-4	34	40
MV06A50I	S600-I	1.020	673	360	>600	>600	G¾	(F)	G¾	(F)	-	-	325	0-90	2,5-6	62	40
MV06AL50I	S600-LI	1020	673	360	>600	>600	G¾	(F)	G¾	(F)	-	-	325	0-90	1-3	62	40
MV06B50I	S600-BI	1.020	673	360	>600	>600	G¾	(F)	G¾	(F)	G¾	(F)	325	0-90	2,5-6	65	40
MV06BL50I	S600-BLI	1020	673	360	>600	>600	G¾	(F)	G¾	(F)	-	-	325	0-90	1-3	62	40
MV06R50I	S600-RI	1.020	673	360	>600	>600	G¾	(F)	G¾	(F)	G¾	(F)	325	0-90	2,5-6	63	40
MV06RL50I	S600-RLI	1020	673	360	>600	>600	G¾	(F)	G¾	(F)	-	-	325	0-90	1-3	62	40
MA10A50I	S10AI	1.272	744	400	-	-	G¾	(F)	G¾	(F)	-	-	300	0-90	5-10	79	40
MA10R50I	S10A-RI	1.272	744	400	-	-	G¾	(F)	G¾	(F)	G¾	(F)	300	0-90	5-10	81	40
MA16A50	S16A	1.272	744	400	-	-	G¾	(F)	G¾	(F)	-	-	300	0-90	9-16	82	40
MA16R50	S16A-R	1.272	744	400	-	-	G¾	(F)	G¾	(F)	G¾	(F)	300	0-90	9-16	90	40
MA16A50I	S16AI	1.272	744	400	-	-	G¾	(F)	G¾	(F)	-	-	300	0-90	9-16	92	40
MA16R50I	S16A-RI	1.272	744	400	-	-	G¾	(F)	G¾	(F)	G¾	(F)	300	0-90	9-16	92	40

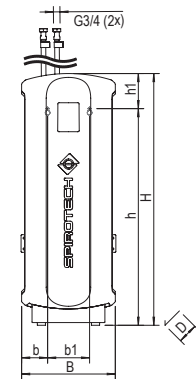


Temperature
max. 90 °C

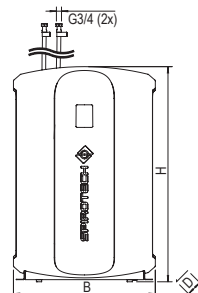


Insulated versions suitable for cooling systems

A = Degasser only
B = Break tank
R = Direct refill
I = Insulated



SPIROVENT
SUPERIOR S400



SPIROVENT
SUPERIOR S600



Have you thought of a dirt separator?
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CUSTOM

Please visit page 30 for further information on our custom products.

SPIROVENT® SUPERIOR – Accessories
ACCESSORIES

Art.-No.	Description	Suitable for
G60.638	Self-dosing package for SpiroVent Superior	Fill and S4
G60.639	Self-dosing package for SpiroVent Superior	S6 and S10
G60.640	Self-dosing package for SpiroVent Superior	Standalone product
G60.644	Cartridge 4 l (14.560 l/°dH)*	G60.638 / G60.639 / G60.640
G60.645	Cartridge 7 l (25.480 l/°dH)*	G60.638 / G60.639 / G60.640
G60.646	Cartridge 14 l (50.960 l/°dH)*	G60.638 / G60.639 / G60.640
G60.647	Cartridge 30 l (109.200 l/°dH)*	G60.638 / G60.639 / G60.640
TMA05	Backflow preventer with controllable low pressure zone (½" IG)	Products with automatic refill
TMA06	Backflow preventer with controllable low pressure zone (¾" IG)	Products with automatic refill