

INTRODUCING THE SPIROPURE RANGE



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With SpiroPure, the system water quality meets all requirements to improve the efficiency and reduce maintenance cost of the system.

SpiroPure is a product that conditions the water being used in heating or cooling systems. This conditioning is offered to improve the quality of the system water, and therefore increase the efficiency and reliability of a heating and cooling system.

With SpiroPure you can easily condition system water to meet relevant installation guidelines like VDI2035, along with heating and cooling appliance manufacturers recommendations for warranty.

WHY TO CONDITION SYSTEM WATER?

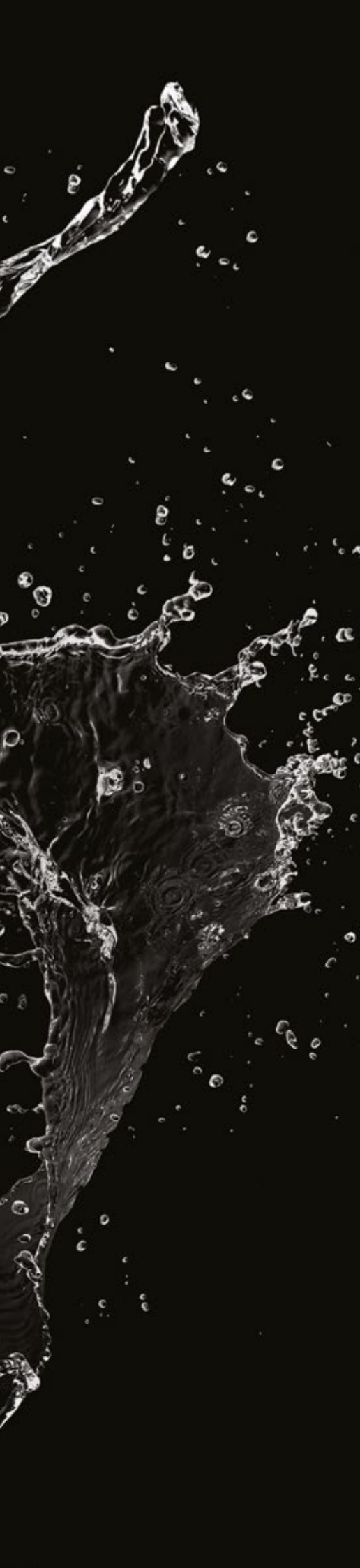
Increase efficiency and reduce maintenance cost of the system.

Water is one of the best heat transfer mediums, which is why we use it in heating and cooling systems. However, water is also known as the universal solvent, because it is capable of dissolving more substances than any other liquid.

Some of these dissolved substances can cause issues within heating and cooling systems. These issues can very easily reduce the efficiency of the system, and increase the running and maintenance costs.

SpiroPure solutions remove these unwanted substances from the water, therefore allowing the heating or cooling systems to run efficiently and effectively.





WHAT IS SPIROPURE ?

Filling, refilling or mobile cleaning stations condition the system water through demineralisation, and also stabilise the pH level.

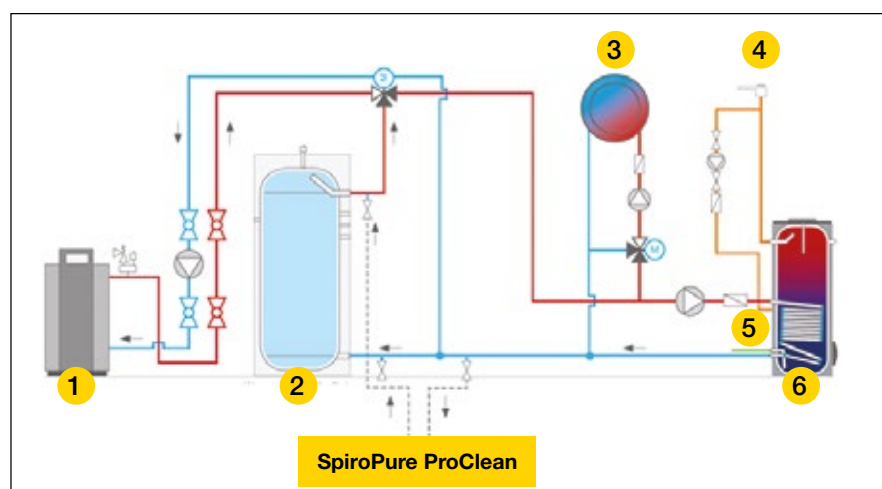
At the heart of the SpiroPure solutions, are the resin beads. These resins remove the salts and minerals from the water, this is called demineralisation. Demineralisation of system water not only effectively prevents hardening deposits in the heating system, but also has a positive effect on its corrosion behaviour.

However, it is often underestimated that unfavorable changes in pH can occur after commissioning the installation, especially if the pH should only be within a narrow range, as with aluminum materials.

All Spirotech fill and refill systems use a special mixed bed resin that not only removes the residual hardness and dissolved salts from the system water, resulting in a lower conductivity, but it also stabilises the pH value for a longer period.

SpiroPure does all that in a user-friendly and quick manner. It can be used in large as well as small installations. The filling and cleaning system is available both in a mobile and in a fixed version and can be applied to all heating and cooling systems.

CONNECTION DIAGRAM



LEGEND

1	Heat generator	4	Hot water draw-off
2	Heat storage tank (buffer)	5	Cold mains water
3	Heat emitter	6	Domestic hot water cylinder

SPIROPURE PRODUCT RANGES

SPIROPURE HOME SERIES

The Home range consists of five replenishment systems for different size domestic installations. Once installed, the unit will provide the installation with a consistent water quality. The integrated resin cartridge contains the demineralisation resin that changes colour as an indicator when the cartridge needs to be replaced. Products can be sold with or without a FillCombi. SpiroPure products marked with a + in the product name, have the fill combi included in the set-up.



FillCombi

(Backflow preventer, pressure reducer and gauge)



Home Basic & Basic+



Home XL & XL+



Home Duplex+



1. Cartridge in new condition.
2. Replace cartridge when discoloured resin reaches the mark.

TECHNICAL DATA SPIROPURE HOME SERIES

SpiroPure Home	Basic	Basic+	XL	XL+	Duplex+
Article number	G76.347	G76.350	G76.351	G76.352	G76.353
Installation capacity	P < 15 kW		15 kW > P < 35 kW		35 kW > P < 60 kW
System volume	< 500 l		< 1000 l		< 2000 l
Max. flow rate	120 l/h		240 l/h		240 l/h
Max. Filling capacity @420µS/cm - <100µS/cm	112,5 l		225 l		450 l
Operating Temperature	5 - 40 °C				
Operating pressure	1 - 8 bar	1.5 - 8 bar	1 - 8 bar	1.5 - 8 bar	1.5 - 8 bar
FillCombi		✓		✓	✓
Length + connections	386 mm	599 mm	386 mm	599 mm	748 mm
Height	367 mm		613 mm		603 mm
Depth	139 mm		139 mm		146 mm
Connection	¾"		¾"		¾"
Weight	2,4 kg	3,7 kg	3,7 kg	5 kg	8,5 kg
Volume of the resin	0,75 l		1,7 l		3,4 l
Cartridges included	1		1		2
Resin refill indication	Color change resin		Color change resin		Color change resin
Article Number Resin refill	1 x G76.391		1 x G76.392		2 x G76.392

Standard included:

Resin cartridge, water meter, shut-off fittings, wall bracket and wrench for easy replacing refill cartridge.

Option: FillCombi (Home+ products)

SPIROPURE PRO - **FIXED FILLING**

The SpiroPure Pro range are permanently installed in a heating or cooling installation. They can be used to fill the system, and then used to replenish any loss of water from the system (Top up/Refill). They have a LED conductivity indication and Fill Combi (backflow preventer, pressure reducer and gauge). The SpiroPure Pro comes in two different sizes, a 9.5 and 23.0 litre tank.



SPIROPURE PRO GLT - **FIXED FILLING WITH CONTROLLER**

The SpiroPure Pro GLT comes with a conductivity controller, -probe and motor valve for a more accurate measurement and control of the conductivity in the system water compared to the LED monitor. The function of the GLT kit is to shut off the usage/flow through the unit when the electrical conductivity starts to become too high. The controller is able to send out a signal (to BMS or anywhere else) which gives the notification that the resin needs changing.



SPIROPURE PROFILL - **MOBILE FILLING**

These products are not permanently fixed to the installation. They are only used to fill the system, and are removed after usage. You can use one of the Fixed Filling products to replenish the system water (Refill/Top up). The SpiroPure ProFill comes in two different sizes, a 9.5 and 23.0 litre tank.



SPIROPURE PROCLEAN - **MOBILE CLEANING AND CONDITIONING**

These products are mobile cleaning products. They are temporarily installed in an existing heating or cooling system, where they can remove any contaminants from the system, and then condition the system water to the required value. The SpiroPure ProClean comes in two different sizes, a 9.5 and 23.0 litre tank.



TECHNICAL DATA SPIROPURE PRO SERIES

SpiroPure	Pro		ProFill		ProClean	
	9.5	23.0	9.5	23.0	9.5	23.0
Article number	G76.355	G76.356	G76.359	G76.360	G76.361	G76.362
Article number with GLT	G76.357	G76.358	-			
Installation capacity	60 kW > P < 150 kW	150 kW > P < 400 kW	60 kW > P < 150 kW	150 kW > P < 400 kW	60 kW > P < 150 kW	150 kW > P < 400 kW
System volume	< 3000 l	> 3000 l	< 3000 l	> 3000 l	< 3000 l	> 3000 l
Max. flow rate	600 l/h	1200 l/h	600 l/h	1200 l/h	600 l/h	1200 l/h
Max. Filling capacity @420µS/cm - <100µS/cm	1350 l	3420 l	1350 l	3420 l	1350 l	3420 l
Operating Temperature	5 - 40 °C		5 - 40 °C		5 - 80 °C	
Operating pressure	1.5 - 4 bar		1 - 8 bar			
FillCombi	✓		-			
Dirt Separator	-				SpiroTrap MBL	
Length + connections	624 mm		245 mm	272 mm	528 mm	
Height	532 mm	682 mm	739 mm	889 mm	1182 mm	
Depth	221 mm	273 mm	221 mm	273 mm	519 mm	
Connection	¾"		¾"		¾"	
Weight	12,2 kg	26,1 kg	12,1 kg	24,2 kg	36,7 kg	47,5 kg
Power supply LED	Battery - CR2450					
Power supply pump	-				2 - 60 Watt	
Tank pre-filled with resin	✓					
Volume of the resin	9.5 l	23.0 l	9.5 l	23.0 l	9.5 l	23.0 l
Resin refill indication	LED					
Article Number Resin refill	G76.397	G76.398	G76.397	G76.398	G76.397	G76.398
Option: Pressure reducer	-		G76.508		-	

ACCESSORIES SPIROPURE PRO SERIES



Pressure Reducer: G76.508



Barrel 60 L: G76.423



Resin Out Head: G76.422



Funnel 2.5: G76.425



Easy Open: G76.427



10 x

Textile Bag 60 L: G76.424

MAXIMISING PERFORMANCE FOR YOU

Spirotech is a leading expert in improving the efficiency of heating and cooling systems. Our family business has over 60 years of experience in developing solutions for removing and preventing the accumulation of air and sludge deposits in energy systems. Our products save energy, increase comfort, avoid wear and tear and maximise operating periods. Reliable and customer-oriented products that help you get top performance and protect investment in capital assets. We develop high-value solutions with our partners and suppliers that improve the operation of residential and commercial properties, as well as industrial processes. Our comprehensive network of selected importers in over 70 countries means there is always a Spirotech expert near to you.

Heating and cooling systems are highly complex, particularly when they are run in conjunction with other systems and installations. So locating and analysing faults when they occur is never easy, especially with the clock ticking in the event of a system failure. Spirotech is here to support you with practical advice and solutions, helping you to pinpoint causes and rectify them. Please feel free to contact us.

**IF YOU WOULD LIKE TO KNOW
MORE ABOUT OUR SOLUTIONS,
PLEASE VISIT OUR WEBSITE
WWW.SPIROTECH.COM OR
WWW.SPIROTECH.CO.UK**

