

## Series description: Wilo-SiClean



Similar to figure

### Design

Compact particle separator delivered as kit and easy to install. Kit consisting of mechanical and hydraulic components: Circulation pump, particle separator, drain valve, automatic volume flow limiter, ventilation unit, switchbox for monitoring the circulation pump. For wall fixation or floor installation (type-dependent). Suction connection and pressure connection, as well as the mains connection are performed onsite. Manual emptying of the system.

### Application

WILO-SiClean removes magnetic and non-magnetic particles from heating systems via natural physical phenomena. The ventilation unit can also be used to expel micro bubbles. For installation in commercial properties (office buildings, hotels, hospitals, shopping centres, schools,...) and heating and air conditioning systems for district heating.

### Type key

Example:  
**SiClean**

**Wilo-SiClean 2**  
Standard version, manually operated,  
with an inline circulation pump with  
glandless technology  
Size of the set

2

### Special features/product advantages

- Removal of magnetic and non-magnetic particles from the medium and venting of micro bubbles
- High cleaning efficiency due to physical effects (gravity, filtration, magnetic effects, pressure reduction effect)
- Easy to use due to ease of installation, maintenance, and simplified settings
- Corrosion-resistant thanks to stainless steel particle separator

### Equipment/function

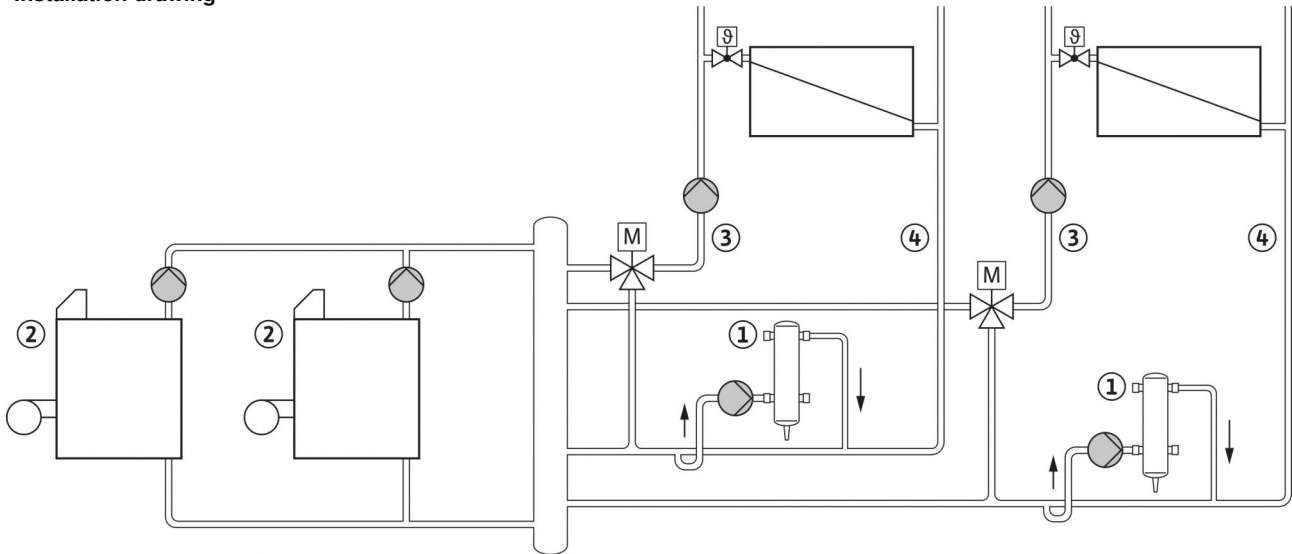
- Circulation pump type: WILO-Yonos PICO (SiClean 0.5/1/2/3/4), Wilo-Yonos MAXO (SiClean 5)
- Anti-corrosive, hydraulic components made of stainless steel
- Fabric-reinforced hoses connected to inlet and outlet of the particle separator. Hoses connected to the return pipe, in bypass for smaller, low-cost connections and lower pressure losses
- Pre-assembled venting unit for the expulsion of micro-bubbles
- Movable magnetic rods for efficient separation of iron oxide particles
- Volume flow limiter for automatic adjustment of the flow rate.
- Manual purge valve for quick and easy draining of collected particles
- Switchbox for monitoring the circulation pump

### Scope of delivery

- Particle separator Wilo-SiClean (pre-assembled kit)
- Switchbox
- Wilo-SiClean installation and operating instructions
- Circulation pump installation and operating instructions

## Installation drawings: Wilo-SiClean

### Installation drawing



Integration of Wilo-SiClean in the heating system is performed in each case as a bypass installation in the return of the heating circuit.

- 1 Wilo-SiClean
- 2 Heat generator
- 3 Heating circuit feed
- 4 Heating circuit return

## Product list: Wilo-SiClean

Designation	System volumes $V_{max}$	Nominal diameter of the system return $DN$	Flow $Q$	Installation	Art no.
SiClean 0,5	0,5 - 1,0 m3	15 - 25	0.1 m3/h	Wall-mounted installation	4195118
SiClean 1	1,0 - 3,0 m3	20 - 50	0.3 m3/h	Wall-mounted installation	4195119
SiClean 2	3,0 - 10,0 m3	20 - 65	1 m3/h	Wall-mounted installation	4195120
SiClean 3	10,0 - 15,0 m3	25 - 80	1.5 m3/h	Floor installation	4195121
SiClean 4	15,0 - 20,0 m3	32 - 125	2 m3/h	Floor installation	4195122
SiClean 5	20,0 - 40,0 m3	32 - 250	4 m3/h	Floor installation	4195123

## Data sheet: SiClean 0,5

### Product photo



Similar to figure

### Approved fluids (other fluids on request)

- Heating water (in accordance with VDI 2035)
- Water-glycol mixtures (max. 1:1; above 20% admixture, the pumping data must be checked)
- Drinking water and water for food-processing companies in accordance with TrinkwV 2001 (drinking water ordinance)

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### Permitted field of application

Pump type	Wilo-Yonos PICO
Ambient temperature	0 °C ... 40 °C
Fluid temperature <i>T</i>	+0...+95 °C
Min. storage temperature <i>T</i>	-10 °C
Max. storage temperature <i>T</i>	40 °C
System volumes <i>V</i> <sub>max</sub>	0,5 - 1,0 m <sup>3</sup>
Nominal diameter of the system return <i>DN</i>	15 - 25
Flow <i>Q</i>	0.1 m <sup>3</sup> /h
Installation	Wall-mounted installation

### Pipe connections

Nominal diameters of pipe connections on the pressure side <i>RPD</i>	Rp ½
Nominal diameters of the pipe connections on suction side <i>RPS</i>	Rp ½

### Motor/electronics

Mains connection	1~230 V/50 Hz
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### Information for order placements

Make	Wilo
Type	SiClean 0,5
Art no.	4195118
Weight approx. <i>m</i>	12 kg

• = available, - = not available

## Data sheet: SiClean 1

### Product photo



Similar to figure

#### Approved fluids (other fluids on request)

- Heating water (in accordance with VDI 2035)
- Water-glycol mixtures (max. 1:1; above 20% admixture, the pumping data must be checked)
- Drinking water and water for food-processing companies in accordance with TrinkwV 2001 (drinking water ordinance)

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#### Permitted field of application

Pump type	Wilo-Yonos PICO
Ambient temperature	0 °C ... 40 °C
Fluid temperature <i>T</i>	+0...+95 °C
Min. storage temperature <i>T</i>	-10 °C
Max. storage temperature <i>T</i>	40 °C
System volumes <i>V<sub>max</sub></i>	1,0 - 3,0 m <sup>3</sup>
Nominal diameter of the system return <i>DN</i>	20 - 50
Flow <i>Q</i>	0.3 m <sup>3</sup> /h
Installation	Wall-mounted installation

#### Pipe connections

- Nominal diameters of pipe connections on the pressure side *RPD*
- Nominal diameters of the pipe connections on suction side *RPS*

Rp ¾
Rp ¾

#### Motor/electronics

- Mains connection

1~230 V/50 Hz
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#### Information for order placements

Make	Wilo
Type	SiClean 1
Art no.	4195119
Weight approx. <i>m</i>	14 kg

• = available, - = not available

## Data sheet: SiClean 2

### Product photo



Similar to figure

### Approved fluids (other fluids on request)

- Heating water (in accordance with VDI 2035)
- Water-glycol mixtures (max. 1:1; above 20% admixture, the pumping data must be checked)
- Drinking water and water for food-processing companies in accordance with TrinkwV 2001 (drinking water ordinance)

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### Permitted field of application

Pump type	Wilo-Yonos PICO
Ambient temperature	0 °C ... 40 °C
Fluid temperature <i>T</i>	+0...+95 °C
Min. storage temperature <i>T</i>	-10 °C
Max. storage temperature <i>T</i>	40 °C
System volumes $V_{max}$	3,0 - 10,0 m <sup>3</sup>
Nominal diameter of the system return <i>DN</i>	20 - 65
Flow <i>Q</i>	1 m <sup>3</sup> /h
Installation	Wall-mounted installation

### Pipe connections

Nominal diameters of pipe connections on the pressure side <i>RPD</i>	Rp ¾
Nominal diameters of the pipe connections on suction side <i>RPS</i>	Rp ¾

### Motor/electronics

Mains connection	1~230 V/50 Hz
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### Information for order placements

Make	Wilo
Type	SiClean 2
Art no.	4195120
Weight approx. <i>m</i>	16 kg

• = available, - = not available

## Data sheet: SiClean 3

### Product photo



Similar to figure

#### Approved fluids (other fluids on request)

- Heating water (in accordance with VDI 2035)
- Water-glycol mixtures (max. 1:1; above 20% admixture, the pumping data must be checked)
- Drinking water and water for food-processing companies in accordance with TrinkwV 2001 (drinking water ordinance)

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#### Permitted field of application

Pump type	Wilo-Yonos PICO
Ambient temperature	0 °C ... 40 °C
Fluid temperature <i>T</i>	+0...+95 °C
Min. storage temperature <i>T</i>	-10 °C
Max. storage temperature <i>T</i>	40 °C
System volumes <i>V</i> <sub>max</sub>	10,0 - 15,0 m <sup>3</sup>
Nominal diameter of the system return <i>DN</i>	25 - 80
Flow <i>Q</i>	1.5 m <sup>3</sup> /h
Installation	Floor installation

#### Pipe connections

Nominal diameters of pipe connections on the pressure side <i>RPD</i>	Rp 1
Nominal diameters of the pipe connections on suction side <i>RPS</i>	Rp 1

#### Motor/electronics

Mains connection	1~230 V/50 Hz
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#### Information for order placements

Make	Wilo
Type	SiClean 3
Art no.	4195121
Weight approx. <i>m</i>	28 kg

• = available, - = not available

## Data sheet: SiClean 4

### Product photo



Similar to figure

#### Approved fluids (other fluids on request)

- Heating water (in accordance with VDI 2035)
- Water-glycol mixtures (max. 1:1; above 20% admixture, the pumping data must be checked)
- Drinking water and water for food-processing companies in accordance with TrinkwV 2001 (drinking water ordinance)

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#### Permitted field of application

Pump type	Wilo-Yonos PICO
Ambient temperature	0 °C ... 40 °C
Fluid temperature <i>T</i>	+0...+95 °C
Min. storage temperature <i>T</i>	-10 °C
Max. storage temperature <i>T</i>	40 °C
System volumes $V_{max}$	15,0 - 20,0 m3
Nominal diameter of the system return <i>DN</i>	32 - 125
Flow <i>Q</i>	2 m3/h
Installation	Floor installation

#### Pipe connections

Nominal diameters of pipe connections on the pressure side <i>RPD</i>	Rp 1 ¼
Nominal diameters of the pipe connections on suction side <i>RPS</i>	Rp 1 ¼

#### Motor/electronics

Mains connection	1~230 V/50 Hz
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#### Information for order placements

Make	Wilo
Type	SiClean 4
Art no.	4195122
Weight approx. <i>m</i>	41 kg

• = available, - = not available



## Data sheet: SiClean 5

### Product photo



Similar to figure

#### Approved fluids (other fluids on request)

- Heating water (in accordance with VDI 2035)
- Water-glycol mixtures (max. 1:1; above 20% admixture, the pumping data must be checked)
- Drinking water and water for food-processing companies in accordance with TrinkwV 2001 (drinking water ordinance)

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#### Permitted field of application

Pump type	Wilo-Yonos MAXO
Ambient temperature	0 °C ... 40 °C
Fluid temperature <i>T</i>	+0...+95 °C
Min. storage temperature <i>T</i>	-10 °C
Max. storage temperature <i>T</i>	40 °C
System volumes $V_{max}$	20,0 - 40,0 m3
Nominal diameter of the system return <i>DN</i>	32 - 250
Flow <i>Q</i>	4 m3/h
Installation	Floor installation

#### Pipe connections

Nominal diameters of pipe connections on the pressure side <i>RPD</i>	Rp 1 ¼
Nominal diameters of the pipe connections on suction side <i>RPS</i>	Rp 1 ¼

#### Motor/electronics

Mains connection	1~230 V/50 Hz
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#### Information for order placements

Make	Wilo
Type	SiClean 5
Art no.	4195123
Weight approx. <i>m</i>	47 kg

• = available, - = not available