

Si-61

PISTON PUMP



Compact design

The Si-61 is a **piston pump with built-in tank** (0,37l) designed to remove acidic condensates from gas condensing boilers up to 50 kW. The Sauermann® technology inside the pump enables small particles removal. Together with the innovative float, this technology makes the pump fully reliable in a condensing boiler environment. Very small, the Si-61 can always be easily installed

BENEFITS



- **Patented technology**

- **Higher Lift** than a centrifugal pump, up to 6m vertical
- **Proven Reliability**

- **Resistant to pollution**

- **IPX4**, for a higher protection of mechanical and electrical parts
- **Robust float**, rotation is shaft out of water
- **Capable to remove small particles**

- **Easy to install**

- Compact size
- **Lockable** plug-in power cable to avoid unintended disconnection
- **0.37l tank** to collect acidic condensate from gas condensing boilers



- **Low sound level**

Anti-vibration wall-mount bracket with rubber dampers

- **Energy saving**

Improved performance and high flow rate **reduce operation time** and energy consumption.

KIT CONTENTS



- Piston pump
- Integrated float detection unit
- 1.5 m lockable plug-in power cable: 2 power wires, 2 safety contact wires.
- Installation kit :
 - Anti-vibration wall-mount bracket with rubber dampers
 - Inlet rubber adapter Ø int. 15-20-24-32-40 mm (Ø int. 5/8"-3/4"-1"-1 1/4"-1 1/2")
 - 5 m of tubing (Ø int. 6 mm - 1/4")
 - Drain Safe Device
 - Self-sealing discharge fitting
 - Double wire spring clips (x4)
 - 2 screws + 2 plugs

APPLICATIONS

For use with gas condensing boilers, up to 50 kW :

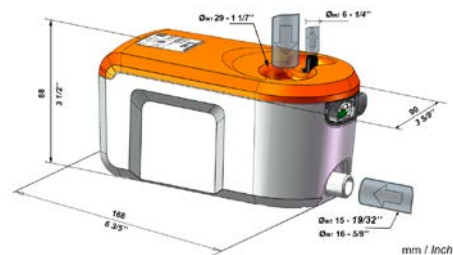
- Wall mounted
- Floor mounted

Also suitable for air-conditioning units, up to 10kW
(floor mounted & ceiling suspended, cassette, ducted, fan-coils)



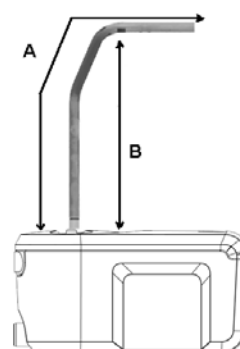
TECHNICAL SPECIFICATION

Max. flow rate	10 l/h
Max. discharge head	6 m (flow rate =2l/h – boiler <40kW) 4 m (flow rate =4.5l/h – boiler <50kW)
Max pressure	8 m (flow rate =0l/h)
Sound level in application at 1m: (Measured in Sauermann acoustic lab, pump operating with water)	≤ 28 dBA
Mains supply	230V~ 50/60Hz - 10 W
Insulation class	☐ (double insulation)
Detection levels	ON : 28mm, OFF : 24mm Safety : 35mm
Safety switch	NC 4 A résistive – 250V
Thermal protection (overheating)	90°C (auto-reset)
Operating conditions	100% - continuous duty
Protection	IPX4
Safety standards	CE
RoHS directive	Compliant
WEEE directive	Compliant
Packaging	1.080kg L293 x l136 x H183 mm
Masterpack	5 pieces

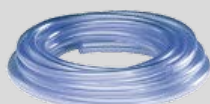


ACTUAL FLOW RATES (l/h)

	Discharge head (B)	Total tube length using (Ø int 6 mm, 1/4") (A)			
		5 m	10 m	20 m	30 m
	0 m	10	9,5	9	8,5
	2 m	7	6,5	6	5,5
	4 m	4,5	3,5	3	2,5
	6 m		1,5	1	-



RECOMMENDED ACCESSORIES



Clear PVC hose Ø int. 6mm (1/4")
ACC00909: 5 m
ACC00910: 50 m



90° bend connector
ACC00904

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