

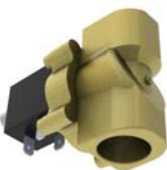
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## Features & benefits

### Benefits for the engineer:

- **Quick** installation
- **Safe** installation: no ladder work, no drilling through walls

### Benefits for the user:

- **Save money:**
  - No long expensive copper pipe runs
  - Water consumption controlled
- No property disruption/damage (drill outside walls, damage bricks)
- No risk of house floods
- No risk of heating shutting down due to frozen PRV discharge pipes
- **Notices failures** and knows when contact with the contractor is needed

### Green benefits:

- **No water loss**
- **No energy loss**

## Description

The **pump** collects condensates. Thanks to the **diffuser** reducing the pressure, it also allows the safe discharge of the pressure relief valve inside the property.

The pump safety switch can detect if filling loop is left open, or a failure of plate-to-plate heat exchanger, or a failure of the pressure release valve.

If a failure occurs, the pump sends a signal to the **regulation box**.

The regulation box closes the **solenoid valve** and stops cold water entering the boiler.

The heating stays on, hot water is stopped. A red light is activated informing the end user he must call contractor to solve the problem and reset the installation.

## Kit contents



A. **Regulation box** including 2 strain reliefs and 4 screws

B. **Solenoid valve** with 2 m cable bare ends (L,N,G)

C. **Diffuser**

D. **SI1800**: Integrated **tank pump** of 2,0 l with :

- Integrated check valve
- Power cable : 2 m bare ends (L,N,G)
- Safety switch cable: 2 sleeved wires - 1,5 m bare ends

E. **PVC Tubing** : 10 mm ID, 5m long

F. 10 to 10 mm (3/8" to 3/8") **straight connector** for clear tubing Ø10mm extension

G. 2 bags of 2 screws + 2 rawl plugs

H. 24-32-40 mm (1" - 1 1/4"-1 1/2") **inlet adaptor** for PVC pipe

I. Condensate **self-sealing evacuation connector**, Ø 10 mm int.

J. 10 to 20 mm (3/8" to 3/4") **outlet adaptor** for rigid tubing Ø20mm

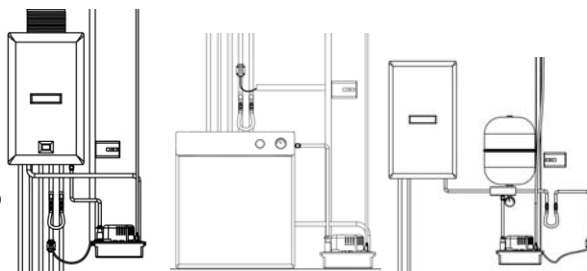
## Applications

for **Gas Condensing Boilers** and electric boilers :

- heating only or heating and hot water (combi)
- wall mounted or floor mounted
- in domestic use : suitable for expansion vessels ≤12l

### WARNING:

- **commercial use** : carefully verify **expansion vessel size**  
If >12l, do not connect the Pressure Release Valve to the pump
- **unsuitable for unvented hot water storage cylinders and boilers incorporating a store of hot water > 15l.**



## Accessories



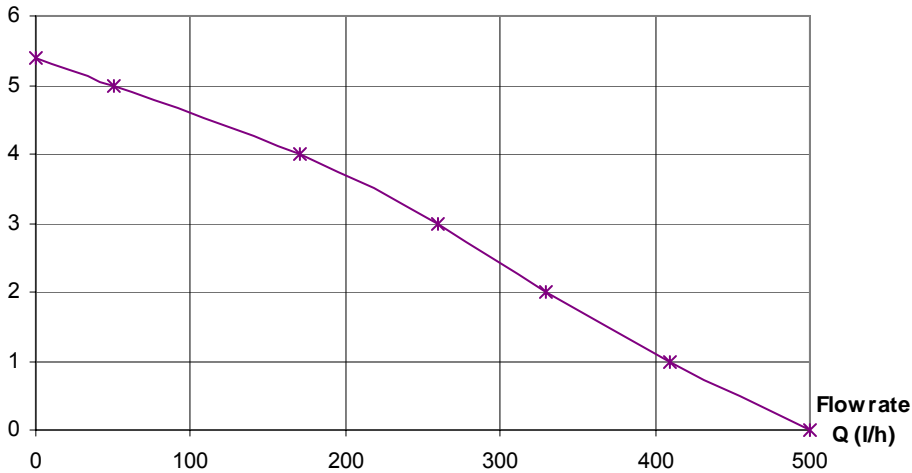
**ACC 00125, ACC 00126**  
 Clear PVC flexible hose  
 Ø 10 mm  
 ACC 00125 : 25 m roll  
 ACC 00126 : reinforcing 25 m roll



**ACC 00801**  
 Check valve Ø 10 mm

Discharge  
 height  
 H (m)

**SI1800**  
 (230V ~ 50Hz)



## Table of true flow rate for SI 1800

The head losses defined in this table are calculated with a Ø 10 mm int. flexible pipework	Vertical discharge head	Total tubing length			
		5 m (in l/h)	10 m (in l/h)	20 m (in l/h)	30 m (in l/h)
	1 m	380	300	240	190
	2 m	310	260	200	150
	3 m	240	200	145	110
	4 m	150	130	80	60
	5 m	30	20	0	0

## Wiring Diagram for Regulation Box

