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**IMPORTANT NOTICE**

This document is a directional guide. It is not a technical document describing all details required in a system.

In many of the images there are circulation pumps, they are not included with the articles 10015, 10016 or 10017.
# 1. KOMPLETT III STANDARD

DESCRIPTION OF HEATING SYSTEM

- Radiators first and second floor. All in one circuit.
- Domestic hot water provided from the built in coil.
# 1. KOMPLETT III STANDARD

**SYSTEM COMPONENTS**

Heating circuit 1 for radiators.
Article: Included in price.
Available programs:
- Outdoor sensor with weather compensation
- Room sensor
- Outdoor and indoor in combination
- Constant flow temp.
- All with day/time programability.

Coil for domestic hot water.
Article: Included in price.
Available programs:
- DHW Prio
- Quick start
# 2. KOMPLETT III STANDARD

DESCRIPTION OF HEATING SYSTEM

- Underfloor heating on first floor. Circuit reachable from boiler room.
- Radiators on second floor. Circuit reachable from boiler room.
- Domestic hot water provided from the built in coil.
## 2. KOMPLETT III STANDARD

### SYSTEM COMPONENTS

#### Heating circuit 1 for radiators.
Article: Included in price.
Available programs:
- Outdoor sensor with weather compensation
- Room sensor
- Outdoor and indoor in combination
- Constant flow temp.
- All with day/time programability.

#### Heating circuit 2 for underfloor heating.
Article: 10016.
Available programs:
- Outdoor sensor with weather compensation
- Room sensor
- Outdoor and indoor in combination
- Constant flow temp.
- All with day/time programability.

#### Coil for domestic hot water.
Available programs:
- DHW Prio
- Quick start
# 3. KOMPLETT III STANDARD

DESCRIPTION OF HEATING SYSTEM

- Underfloor heating on first floor. Circuit reachable from boiler room.
- Radiators on second floor. Circuit reachable from boiler room.
- Separate building with Y/S Plan. Controlled by existing 2-5 channel controller.
- Domestic hot water provided from the built in coil.
### System Components

**Heating circuit 1 for radiators.**

Article: Included in price.

Available programs:
- Outdoor sensor with weather compensation
- Room sensor
- Outdoor and indoor in combination
- Constant flow temp.
- All with day/time programmability.

**Heating circuit 2 for underfloor heating.**

Article: 10016.

Available programs:
- Outdoor sensor with weather compensation
- Room sensor
- Outdoor and indoor in combination
- Constant flow temp.
- All with day/time programmability.

**Coil for domestic hot water.**

Available programs:
- DHW Prio
- Quick start

**Heating circuit 3 is described on the following page.**
# 3. KOMPLETT III STANDARD

## SYSTEM COMPONENTS

Heating circuit 3 for separate building.

Article: 10017.

Available programs:
- Outdoor sensor with weather compensation
- Room sensor
- Outdoor and indoor in combination
- Constant flow temp.
- All with day/time programmability.

Since the existing channel/zone controller is kept in the separate building the most likely program to use is Constant flow temperature. At least if there is production of DHW in the separate building.

The constant flow temperature is possible to set back with a day/time programmer in the Komplett III.

**NOTE:** A bypass on between return and flow before the underground mains is needed if both zone valves is closed in the separate building. The bypass is illustrated on the previous page.
DESCRIPTION OF HEATING SYSTEM

- Radiators first and second floor. All in one circuit. Circuit reachable from boiler room.
- Domestic hot water provided from a cylinder connected to the boiler.
**SYSTEM COMPONENTS**

**Heating circuit 1 for radiators.**

Article: Included in price.

Available programs:
- Outdoor sensor with weather compensation
- Room sensor
- Outdoor and indoor in combination
- Constant flow temp.
- All with day/time programmability.

**Heating circuit 2 DHW Cylinder.**

Article: 10016.

Available programs:
- Cylinder *
- Cylinder 2 **

* This program is used when a sensor from the boiler to the cylinder is impossible due to length or other obstacles. It is keeping the Cylinder at a constant temperature and measuring the flow return to the boiler.

** This program controls the cylinder temperature from a sensor (supplied by Effecta) connected to the boiler. This system is recommended to be used.
# 5. KOMPLETT III LIGHT

DESCRIPTION OF HEATING SYSTEM

- Radiators on the second floor. Circuit reachable from boiler room.
- Under floor heating on the first floor. Circuit reachable from boiler room.
- Domestic hot water provided from a cylinder connected to the boiler.
KOMPLETT III LIGHT

SYSTEM COMPONENTS

Heating circuit 1 for radiators.
Article: 10015
Available programs:
- Outdoor sensor with weather compensation
- Room sensor
- Outdoor and indoor in combination
- Constant flow temp.
- All with day/time programability.

Heating circuit 2 for under floor heating.
Article: 10016
Available programs:
- Outdoor sensor with weather compensation
- Room sensor (not recommended)
- Outdoor and indoor in combination
- Constant flow temp.
- All with day/time programability.

Heating circuit 3 DHW Cylinder.
Article: 10017.
Available programs:
- Cylinder *
- Cylinder 2 **

* This program is used when a sensor from the boiler to the cylinder is impossible due to length or other obstacles. It is keeping the Cylinder at a constant temperature and measuring the flow return to the boiler.

** This program controls the cylinder temperature from a sensor (supplied by Effecta) connected to the boiler. This system is recommended to be used.
# 6. KOMPLETT III LIGHT

DESCRIPTION OF HEATING SYSTEM

- Radiators on the second and first floor. Circuit reachable from boiler room.
- Separate building connected through underground heat mains.
- Domestic hot water provided from a cylinder connected to the boiler.
# 6. KOMPLETT III LIGHT

## SYSTEM COMPONENTS

### Heating circuit 1 for radiators.

Article: 10015

Available programs:
- Outdoor sensor with weather compensation
- Room sensor
- Outdoor and indoor in combination
- Constant flow temp.
- All with day/time programability.

### Heating circuit 2 for separate house.

Article: 10016

Available programs:

Please see next page for recommended program control.

### Heating circuit 3 DHW Cylinder.

Article: 10017.

Available programs:
- Cylinder *
- Cylinder 2 **

* This program is used when a sensor from the boiler to the cylinder is impossible due to length or other obstacles. It is keeping the Cylinder at a constant temperature and measuring the flow return to the boiler.

** This program controls the cylinder temperature from a sensor (supplied by Effecta) connected to the boiler. This system is recommended to be used.
SYSTEM COMPONENTS

Heating circuit 2 for separate building.

Article: 10016.

Available programs:
- Outdoor sensor with weather compensation
- Room sensor
- Outdoor and indoor in combination
- Constant flow temp.
- All with day/time programability.

Since the existing channel/zone controller is kept in the separate building the most likely program to use is Constant flow temperature. At least if there is production of DHW in the separate building.

The constant flow temperature is possible to set back with a day/time programmer in the Komplett III.

NOTE: A bypass on between return and flow before the underground mains is needed if both zone valves is closed in the separate building.
DESCRIPTION OF HEATING SYSTEM

- Connection to existing Y or S plan where the existing zone valves and zone controller is kept to control heating and hot water.
SYSTEM COMPONENTS

Heating circuit 1 for feed to existing system.

Article: 10015

Available programs:
- Outdoor sensor with weather compensation
- Room sensor
- Outdoor and indoor in combination
- Constant flow temp.
- All with day/time programability.

This system is only recommended when there is no access to the point where the heating circuits is split. If we can feed the individual heating circuits and DHW circuits directly and independent the system efficiency, comfort and control possibilities is increased.

If we are feeding a existing control system a Constant flow temperature is recommended. It is possible to set back feed temperature at certain times with the day/time controller.

The heating circuit pump is recommended on this layout to be controlled by the existing controller. In all other layouts the pump must be controlled by the boiler.
SHUNT GROUP

Shunt group for control of heating circuit.

Article: 10015, 10016 and 10017

Our heating circuits are always running mixed to the appropriate temperature. While a traditional zone valve turns off when target temperature is reached our mixes down to closed. The greatest benefit from a shunt is the endless temperature control.

Whatever temperature is needed in the heating circuit or cylinder our shunt group will provide just that, no more or less. Since we always send the needed temperature we never use excessive temperatures which results in a improved system efficiency and comfort.

A shunt group together with our on-board boiler control will give you a great variety of options to heat a heating circuit or cylinder for DHW.
OUTDOOR SENSOR
A sensor is mounted outside on a north facing wall. The sensor will then provide the boiler with the current outdoor temperature and with the help of a heating curve the boiler will decide what temperature to deliver to the heating circuit.

Most of the world uses the outdoor sensor with weather compensation as first choice today. It is a very accurate and precise system to heat a house.

ROOM SENSOR
A sensor is mounted on a wall indoors, preferably the room sensor should be mounted central in the house and without being affected by sun through windows etc. This is a well proven way of controlling the heating, the shunt will open and close to meet with the desired room temperature.

BOTH
Both the outdoor and the room sensor is used at the same time. The outdoor sensor decides from outdoor temperature and heating curve what temperature to provide the heating circuit. The room sensor will then adjust and correct the heating curve when the room temperature is overshot or not reached.

CONSTANT FLOW
A constant temperature is delivered to the heating circuit. The temperature is decided by the user in between 20-80 degrees.

CYLINDER
Designed to be used to heat a DHW cylinder if there is no possibility to wire a temperature sensor from the boiler to the cylinder. In some installations the distances between the boiler and cylinder can be great. The shunt will send a desired to the cylinder and then maintain the same temperature.

CYLINDER 2
When a sensor can be placed in the cylinder this is the program to use. A desired temperature is set for the cylinder and the shunt will mix and keep that temperature.

ENERGY SAVER
When the energy saver is activated there is two individual times for each day of the week to set the indoor temperature back.

Example:
Monday:
Heating fully on 06:00-09:00 and then back on again at 16:00 to 22:00. In between these times the temperature indoors is set back with a adjustable temperature.