

Grundfos iGRID Bypass

District Heating

GRUNDFOS 

Possibility in every drop

Grundfos iGRID Building Bypass

In any district heating grid, some consumers are placed more critically than others.

Bypasses are utilised to ensure that the consumers at the far end of the grid receive enough heat energy, even when the demand is low during summer.

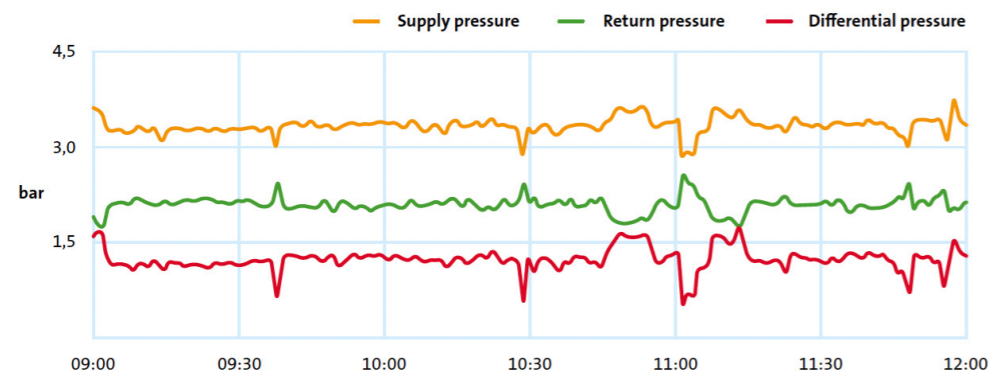
With Grundfos iGRID bypasses, consumers receive exactly the temperature and pressure they need, ensuring maximum comfort with minimal operational costs, since the usual over-compensation is eliminated.

How does it work?

Once the supply temperature is below the setpoint, a bypass valve opens and increases the flow to the return line until the supply temperature is back at the required level.

Set points and algorithms ensure that the bypass flow is only allowed when there is an actual demand.

Data is shared via GSM and made available online or via smart devices. Additionally, it can easily be connected to your SCADA system via an iGRID Receiver. To ensure data transmission, the device requires a SIM card. The customer is responsible for this. There's also a mandatory hosting and data access fee.



Product data

Data	Grundfos iGRID Building Bypass
Pressure ratings	6-16 bar
Media temperature	0-105°C
Ambient temperature	0-60°C
Housing material	Composite
Pipe connection	1/4" RP (sensor connections) 1/2" RP (valve)
Power supply	1 x 230V 50HZ (Schuko plug)
Rated Current	2.4 A
IP Rating	65
Weight	2.8 Kg
Dimensions (W x H x D)	231 x 98 x 160 mm
Product name	Product numbers
Grundfos iGRID Building Bypass - 6 bar	99629467
Grundfos iGRID Building Bypass - 16 bar	99997529

Grundfos iGRID Building Bypass

The Building Bypass is a remotely controlled solution which ensures that sufficient energy and temperature is delivered to buildings, even when the demand is low. In this way, buildings that face challenges with lack of energy during summer are improved.

The iGRID Building Bypass provides you with the option to constantly adjust and fit the required temperature for on/off

use in buildings such as schools that require heat only for a certain period. At the same time, it is utilised for buildings with long service pipes, where the distributed water can easily decrease in temperature and become too cold during low demand periods. Since the iGRID Building Bypass is connected to the electricity grid, there is no need to install and replace batteries.



Grundfos iGRID is a solution range for district heating

With this range we fight heat losses and prepare for utilisation of renewable energy sources through intelligent temperature control.

By creating zones with mixing loops, temperatures can be lowered to meet the actual demands in those zones and thereby deliver exactly the heat energy needed – nothing more and nothing less!

Find out more about the Grundfos iGRID concept by contacting your local Grundfos Sales Company or visit grundfos.com form more information.

