PENTAIR JUNG PUMPEN

THERMOLOOP

BACKFLOW LOOP IN THE OUTDOOR CABINET

- Nominal diameters from DN 50 to DN 150
- Minimal installation effort due to pre-mounted components
- PE pipe with flange connection DN 80 to DN 150
- Pipe trace heating with thermostat and thermal insulation
- Integrated heating control unit
- Optionally, a BasicLogo or HighLogo control unit can be installed in the outdoor cabinet

DESCRIPTION

The backflow loop is delivered on a pallet with pre-mounted components, reducing the installation effort.

The robust and weather-resistant outdoor cabinet, in combination with the pipe trace heating and the aluminium-faced thermal insulation, enables year-round operation. Reliable function is always ensured, even at sub-zero temperatures.

Pressure pipes in nominal diameters DN 50, DN 80, DN 100 and DN 150 can be connected.

Free choice of direction by connecting the pressure pipes to loose flanges or Plasson fittings.

Optionally, a BasicLogo or HighLogo control unit can be installed in the outdoor cabinet.

If the locally defined backflow level on a property is very high (sloped site) and cannot be achieved inside the building, this can easily be realised using the outdoor backflow loop.

The ThermoLoop backflow loop protects buildings against backflow from the public sewer network. Basement areas and living spaces below the backflow level are particularly at risk.

Raising the wastewater above the backflow level is regarded as the only truly effective measure and is also required by the relevant standards DIN EN 12056 and DIN 1986-100.

In combination with our Compli sewage lifting stations or wastewater pumping stations, buildings are also protected during extreme heavy rainfall.

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SCOPE OF SUPPLY

Outdoor cabinet with pre-mounted base and integrated profile half-cylinder. Insulated backflow loop, SDR11 piping, with bolt set for loose flanges (DN80 – DN 150). Pipe trace heating with NTC remote sensor in the insulation. Frost protection thermostat, thermostat for NTC remote sensor and circuit breaker in IP65 housing.

ELECTRICAL DATA

Voltage	1/N/PE~230 V	Rated heating output	64 W

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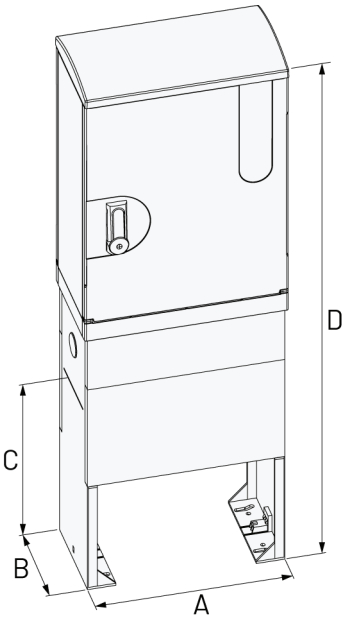
Type	**Code No.**	Weight	Connection
ThermoLoop 50	**JP51002**	47 kg	Spigot end D63 mm
ThermoLoop 80	**JP51003**	55 kg	Loose flange DN80
ThermoLoop 100	**JP51004**	71 kg	Loose flange DN100
ThermoLoop 150	**JP51005**	127 kg	Loose flange DN150

Dimensions outdoor cabinet



Typ	(mm)			
DN	A	B	C	D
50	585	320	600	1750
80	585	320	600	1750
100	800	320	600	2005
150	800	535	600	2095

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JUNG PUMPEN GmbH . 33803 Steinhagen . Phone +49 5204 170 . sales.jp@pentair.com . www.jung-pumpen.com

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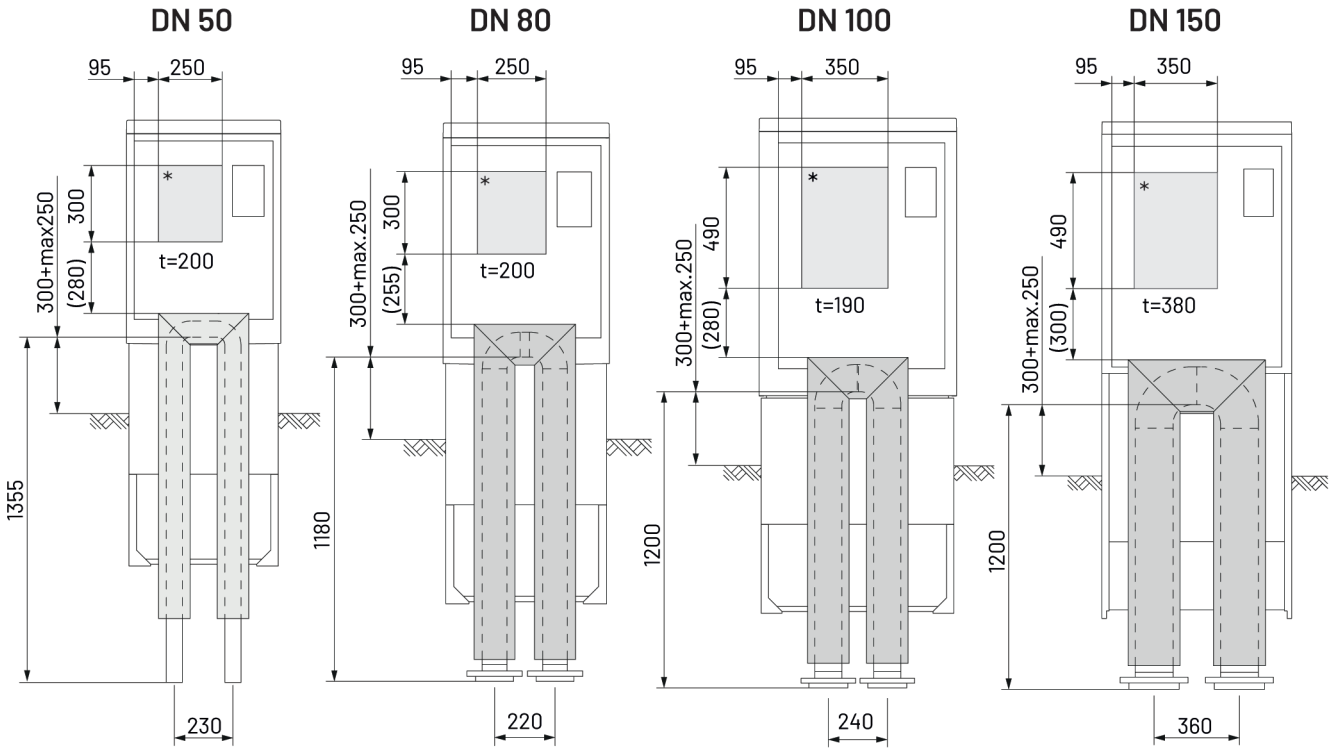
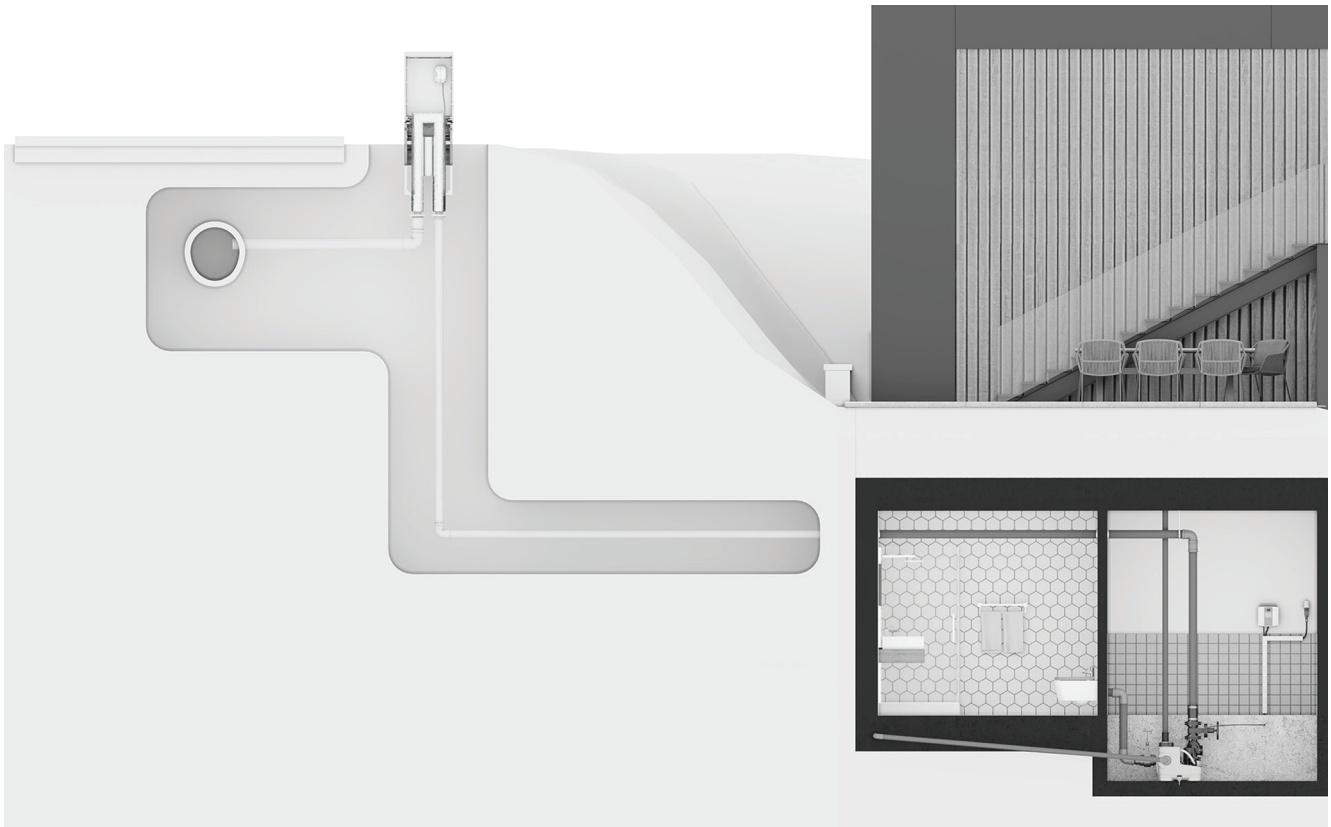
Installation dimensions in mm * Free space for the retrofit installation of a control unit



Installation example