Execution standard and options

Standard:



semi plug-in

replacement of the (air) condenser addition of plate heat exchanger addition of an extension fitted with with plate heat exchanger fitted with external male threads at external threads at the exchanger (water-based) fitted with external the exchanger threads at the exchanger

plug-in hybrid

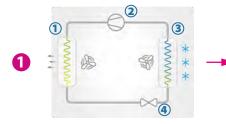
flow pack

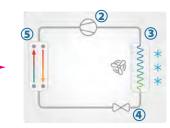


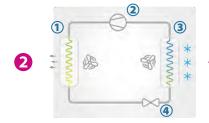


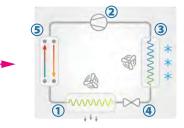




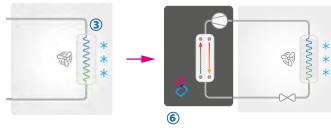












- condenser 2. compressor
- 3. evaporator
- 5. water heat exchanger
- 4. expansion element 6. FLOWpack

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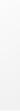


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WARM RELATIONS







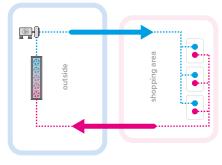




FLOWsystem is a water loop solution developed by JBG-2 that allows you to easily manage the heat generated by refrigeration equipment.

The system effectively transfers heat from the sales area to the selected location and allows you to manage

FLOWsystem is an easy, economic and ecologic way to achieve immediate savings in your retail store operational costs, regardless of whether it operates independently or is integrated with other installations.



FLOWsystem – the most important benefits



Better heat management in the store

- · no heat emission in the summer
- support for heating in the winter and in transition periods



Devices work using natural refrigerants

- several times cheaper than typical HFC replacements currently available
- · generally available on the market



Small amount of refrigerant

• up to 90% less than a traditional remote system



Compliance with the F-GAS regulations

- no operator registration required = no protocols
- minimum number of maintenance services related to leaks in the system and elimination of possible leaks

FLOWsystem - additional benefits



Reduced expenditure on water loops

compared to copper piping system for remote devices



Possibility of integration with other heating systems as their support



The system's characteristics included tidiness of installation

- made of heat-bonded, glued and clamped PP, PVC, steel elements
- without soldering, welding



No need to clean the condensers

• use of non-lamellar condensers or semi-plug-ins



Constant, optimal condensing level = Constant optimal cooling capacity of devices

Shop with plug-in appliances = high heat emission

Plug-in appliances emit heat to the interior of the retail store, which increases the demand for air conditioning. This applies to approximately 180 days each year.

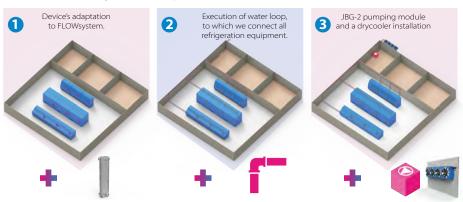




This applies to pproximately 180 days each year.

Better heat management

The ideal solution - FLOWsystem in three steps.

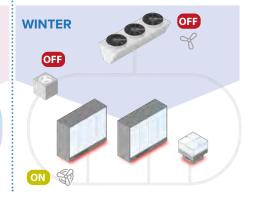


Two typical situations depending on the season

Refrigeration units transfer heat to the water installation, which is then released to the environment through the drycooler.

SUMMER

Heat emitted from refrigeration equipment can be used to support store heating.



Characteristics

The project titled "FLOWsystem" is a solution which involves water-loop installations, to which you can connect appliances equipped with aggregate. Plug-in refrigeration appliances generate heat, which is usually emitted to the inside of the store. The simplest solution to this particular problem is to connect these devices to a water-loop installation - FLOWsystem. We offer 2 options of plug-in device's adaptation and a Flow pack solution for large Remote appliance with a large sales volume.



1. Semi plug-in – appliance needs to be connected to the has 2 heat dissipation possibilities previously installed water loop in the from the cooling unit. The appliance store prior to proper commissioning. Correct work of the display cabinet condenser and a water plate depends on the water loop. It is not condenser. In such case, the a standard -plug & play device. appliance becomes a plug & play Modification consists of replacing piece of display cabinet i.e. all that it the standard condenser (air-cooled) with a plate-condenser (water or a be plugged into a power socket. If glycol solution cooled). Appliance the customer wishes to transfer the cooling unit. does not increase its overall size.

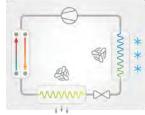


2. Plug-in hybrid – appliance is fitted with both standard requires for correct operation is to heat to the outside of the store using a water loop, such option is available. For technical reasons, that is also the safest and the most recommended solution with regards to protection of appliance and range of possibilities for managing heat generated by refrigeration display cabinet. Device does not increase its overall size. Water installation shall be prepared at the project stage.



3. Flow pack - this is a modification of a typical remote display cabinet to a semi plug-in appliance. It is necessary to carry out the water loop installation in the store and connecting the device before switching it on. Modification consists of adding a cooling unit on top of the remote display cabinet. Appliance's height increases by the size of the







Possibility to connect 3 types of devices to one circuit

