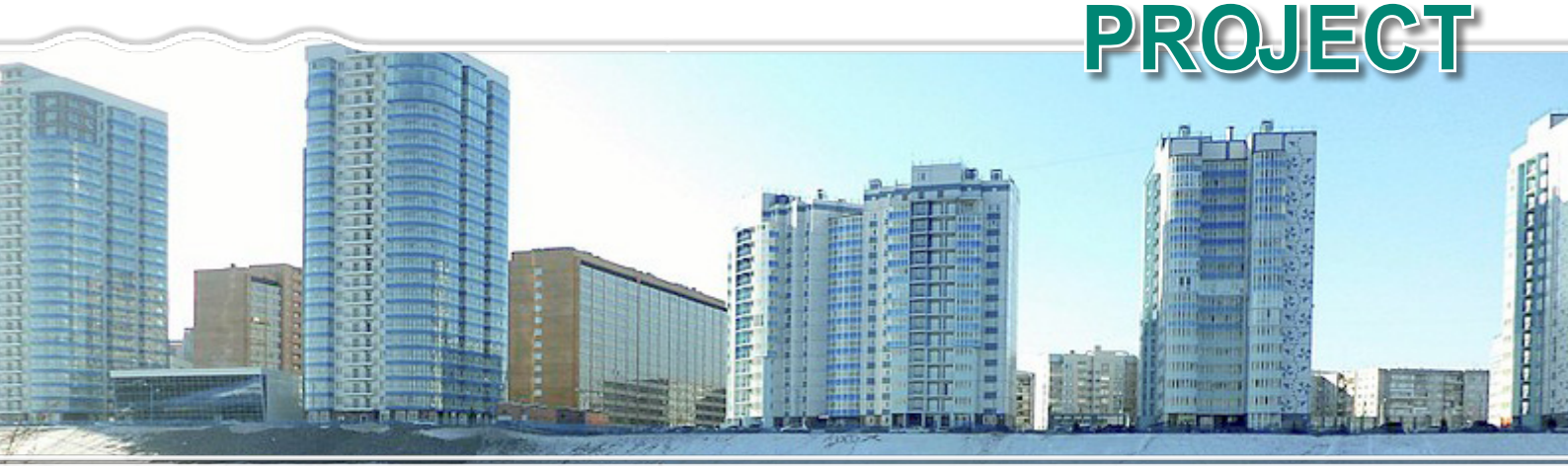
PROJECT



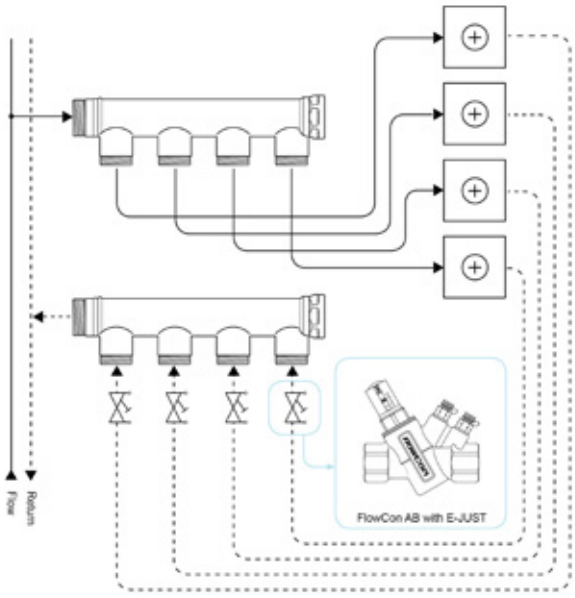
High-risers in Belye Rosy, Krasnoyarsk - Russia

Following the dynamic trend, the choice for FlowCon was easy. FlowCon offered a flexible, user-friendly and compact solution to secure hydronic balancing and protection against overflow.

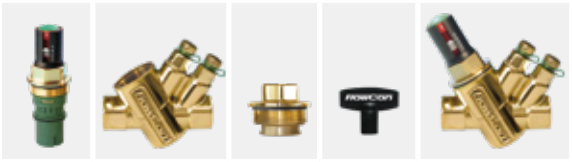
Krasnoyarsk, founded in 1928, is today a 1-million-people-city in the Siberian Federal District, Russia, located on the banks of the Yenisei River. Famed for its scenic location, historic Krasnoyarsk is worth a visit if making the trans-Siberian journey. The White Dew's district with direct access to the river is one of the many emerging residential areas of the city.

FlowCon Solution:

The involved project includes two high-rise buildings of 25 floors and one U-shaped building of 11 floors. The facility has dynamic valves fitted on each pipe from heating manifolds installed in the two-pipe radiator system. FlowCon AB with E-JUST was chosen working as flow limiter within a given working pressure range and pressure/temperature plugs on the housing offers the possibility of measuring the pressure drop across the valve and thereby verify flow.



The valve assembly includes an E-JUST insert and a valve housing and is supplied as a complete solution for balancing the heating system now as well as a flexible solution for future modifications requiring changes in the heating system.



FlowCon E-JUST insert	FlowCon AB housing with p/t plugs	FlowCon flushing cap	FlowCon adjustment key	FlowCon AB with E-JUST

Operating pressure range: 17-200/400 kPaD (divided over high and low ΔP ranges).
Flow range: 100-5830 l/hr (depending on the selected insert).
Accuracy: greatest of either of ±5% of controlled flow or ±2% of maximum flow.

Each insert holds a minimum of 41 different max. flow rates. This provides the client an easy access to change flow without dismantling the system if such a need arises during operation. Design flow is set directly on the insert using the FlowCon key. The set value on the insert corresponds to a setting in the technote flow table - nice and simple.

The insert-type valves and the availability of caps for flushing the system, greatly supports to the future operation and service of the system.

The use of FlowCon's dynamic valves has ensured a clear and stable distribution of flow across individual areas of the building, eliminating local system overload. It is not unimportant to note that commissioning time was also decreased to a minimum.

Project configurations

FlowCon is the sole supplier of ABVs on heating to the White Dew, or in Russian 'Belye Rosy' domestic housing constructions.

Designer: FOTON
Contractor: FOTON
Equipment supplier: POLIMET
Project name: Belye Rosy, Krasnoyarsk, Russia
Configuration of building: Offices, residential apartments and entertainment clubs
Valve models: Manifolds for heating FlowCon AB with E-JUST
Type of application: New building
Installation time: September 2012.