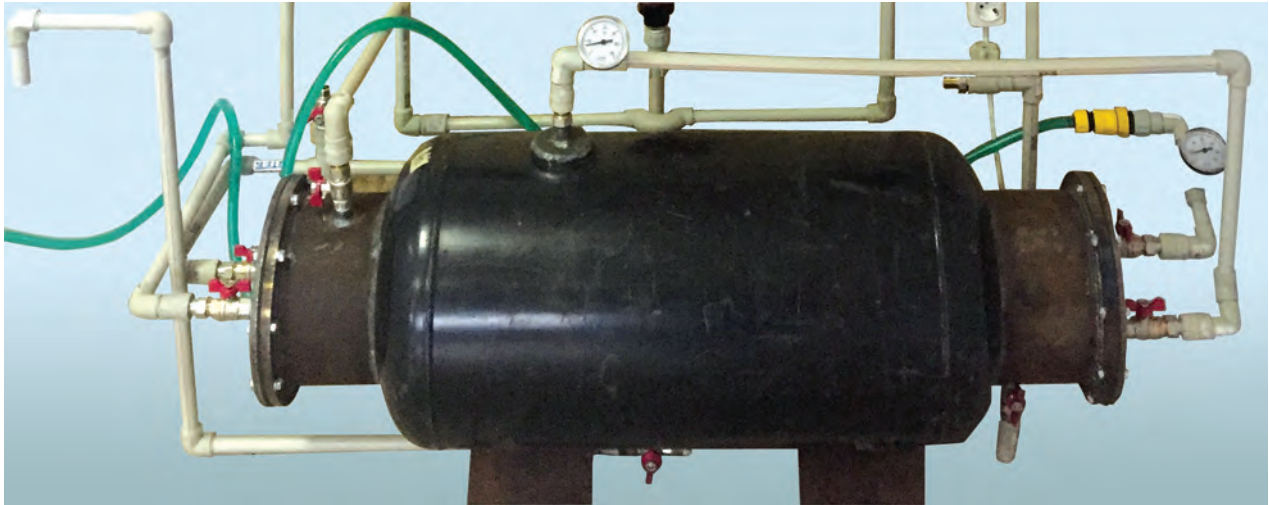


MULTI-LOOP HEAT EXCHANGER FOR INDEPENDENT HEATING AND HOT WATER SUPPLY SYSTEMS



Coil-type heat exchanger with collector

Areas of Application

The heat exchanger is to be used in independent schemes of local heating and hot water supply systems for residential, public, and industrial buildings

Specification

Heating up to, °C	80–100
Heating system temperature, °C	70
Supplied water temperature, °C	55
Length, m	2–3

Advantages

The device configuration makes it possible to overcome the peak load on hot water supply system and to reduce metal consumption of the heat exchanger. The detachability of exchanger enables easy cleaning of heat transfer surfaces. Countercurrent flow of all coolants creates turbulence that facilitates self-cleaning of surfaces

Stage of Development.

Suggestions for Commercialization

IRL4, TRL4

Heat exchanger for private houses is available for sale; seeking partners for commercial manufacture to be used in individual heating systems of high-rise buildings

IPR Protection

IPR2, IPR3

Contact Information

Irina H. Shitikova, Institute of Telecommunications and Global Information Space of the NAS of Ukraine; +38 095 503 75 61, e-mail: irinashitikova54@gmail.com