

The **ZENIT 70<sup>+</sup>** tube radiant heater models are based on the technical solutions of the standard models, the only difference is that during the design of these devices the top priority was the creation of the best possible efficiency as regards radiational heat transmission. Thanks to the detailed and carefully carried-out research the radiational intensity of these devices is between **75–85%** depending on type.

- ⊗ Heat-proof aluminised steel pipe up to 800°C
- ⊗ Honeywell magnetic valve and ignition controlling electronics
- ⊗ Polished, 99.9% aluminium reflector
- ⊗ First-class blow-off ventilator made in Europe

The **75–85%** radiational intensity is outstanding among the devices functioning with the same principle and the otherwise high energy-saving ability resulting from the sensed temperature can be further increased.

The device functions on the principle of **heat radiation** just like the standard model the basis of which is that combustion products of the burned up gas and air mixture flowing through the thin-walled browned pipes warm up the radiating pipe and the produced heat is radiated to the target area by the heat-reflecting shields. As for their design there are two different configurations “L” – linear design and “U” – U-shaped design and they can be operated in three ways, by OFF-ON switching, by two-point, either in **100%** or **50%** mode or by scale-free **modulation** control.

Further advantages:

- ⊗ **Unique** mode regulation, it can be modified by 2 kW
- ⊗ Removable burners, easy maintenance
- ⊗ **Polygon section reflector** profile for higher radiation efficiency
- ⊗ Outstanding **quality** Insulfrax® thermal insulation material
- ⊗ Easy-to-handle **3m-long** cardboard boxes
- ⊗ Up to a **5-year** complete warranty\*

\*The conditional warranty is valid only if you have a certificate about the annual maintenance.

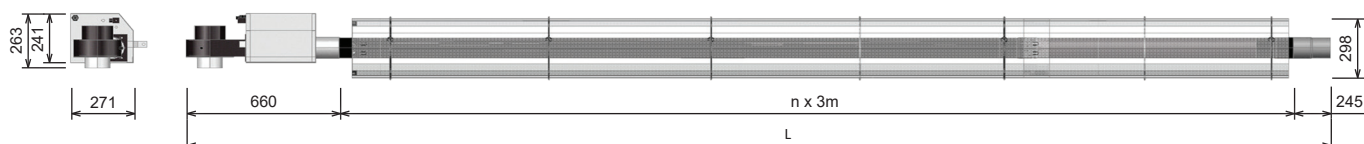
The increased efficiency of the devices is realised through the thermal insulation of reflecting shield on the effect of which the created convective heat gets stuck under the shield and increases the temperature of the exothermic pipe and its radiational efficiency at the same time.

## CURIOSITY

It is important to stress in case of the tube radiant heaters with insulated reflecting shield that thanks to the increased radiational efficiency they need approximately 10–15% less power to provide the same temperature sensation in the heated room compared to the standard models. This saving is remarkably significant, especially if we consider that devices operating on radiational principle provide 15%–20% savings in comparison with other convective heating solutions.

### ZENIT 70<sup>+</sup> Linear "L" design tube radiant heaters

| Type                  |   | L6                    | L9      | L12     | L15     | L18     | L21     |
|-----------------------|---|-----------------------|---------|---------|---------|---------|---------|
| PRODUCT SPECIFICATION | Capacity [kW]                                 | 10...18               | 14...24 | 18...32 | 22...42 | 28...42 | 34...48 |
|                       | Full length [m]                               | 6,7                   | 9,6     | 12,5    | 15,4    | 18,3    | 21,2    |
|                       | Width [mm]                                    | 298                   |         |         |         |         |         |
|                       | Height [mm]                                   | 271                   |         |         |         |         |         |
|                       | Weight [kg]                                   | Net                   | 69,3    | 96,7    | 124,1   | 151,5   | 178,9   |
|                       |   | Transport             | 76,5    | 103,9   | 131,3   | 163,07  | 191,1   |
|                       | Electric consumption [W]                      | 110                   |         |         |         |         |         |
|                       | Electrical connection                         | One phase 230V / 50Hz |         |         |         |         |         |
|                       | The extra charge of the 3-point regulation    | Ordering code: 3970   |         |         |         |         |         |
|                       | The extra charge of the modulation regulation | Ordering code: 9806   |         |         |         |         |         |



### ZENIT 70<sup>+</sup> „U” design tube radiant heaters

| Type                  |   | U3                    | U4,5    | U6      | U7,5    | U9      | U10,5   |
|-----------------------|---|-----------------------|---------|---------|---------|---------|---------|
| PRODUCT SPECIFICATION | Capacity [kW]                                 | 10...18               | 14...24 | 18...32 | 22...42 | 28...42 | 34...48 |
|                       | Full length [m]                               | 3,8                   | 5,2     | 6,7     | 8,1     | 9,6     | 11      |
|                       | Width [mm]                                    | 632                   |         |         |         |         |         |
|                       | Height [mm]                                   | 271                   |         |         |         |         |         |
|                       | Weight [kg]                                   | Net                   | 75,4    | 103,1   | 130,4   | 158,1   | 185,5   |
|                       |   | Transport             | 82,5    | 110,1   | 137,4   | 170,1   | 197,5   |
|                       | Electric consumption [W]                      | 110                   |         |         |         |         |         |
|                       | Electrical connection                         | One phase 230V / 50Hz |         |         |         |         |         |
|                       | The extra charge of the 3-point regulation    | Ordering code: 3970   |         |         |         |         |         |
|                       | The extra charge of the modulation regulation | Ordering code: 9806   |         |         |         |         |         |

