

## VONARIS texts for tenders

### VONARIS solitary finished radiator

VONARIS the solitary finished radiator in a resistance-welding design, available as: Horizontal design, with 1 to 4 layers of steel rectangular water-flow pipes arranged one-behind-the-other, each layer consisting of from 2 to 11 pipes arranged one-above-the-other.

Standard design: rectangular steel pipes 70 x 11 x 1.5 mm

High pressure design: rectangular steel pipes 70 x 11 x 2.0 mm

WVO-design: models in the horizontal design and up to an overall height of 286 mm are also available with a rear-welded heat reflector (no water-flow). The VHV 20 model and the VHV 22 model (overall heights 358 to 646 mm) may have a heat reflector fitted subsequently.

Vertical design: with 1 or 2 layers of steel rectangular water-flow pipes, arranged one-behind-the other, each layer consisting of from 3 to 12 steel pipes, arranged side-by-side.

Standard design: rectangular steel pipes 70 x 11 x 1.5 mm

High pressure design: rectangular steel pipes 70 x 11 x 2.0 mm

A 2 mm space between the heating pipes guarantees additional resistance to corrosion. Top-quality electrophoretic undercoat, conforming to DIN 55900 part 1, stoved at 165° C; finished with electrostatic powder coating, conforming to DIN 55900 part 2, in RAL 9016 (on request, and at a supplementary charge, a range of RAL and sanitary ware colors can be offered); stoved at an

object temperature of 180° C; equipped with a built-in valve set, suitable for either double-pipe or single-pipe operation, using a one-pipe manifold, with a factory-fitted cartridge valve (already installed) and protective cap.

VONARIS solitary finished radiators will normally be delivered with side panels. The horizontal design is also equipped with a top cover. VONARIS solitary finished radiators, are not delivered with brackets as standard (exception: VHV 11, overall height 358 to 790 mm, does include brackets). For the vertical design, brackets are included.

The VONARIS solitary finished radiator comes with a drain plug and a pivoting vent plug (with the vertical design, a dummy plug too), all of them factory-sealed.

VONARIS solitary finished radiators comply with the former BAGUV regulations, performance conforming to DIN EN 442; triple packed (cardboard packaging, edge protection shrink foil).

Connections (horizontal design): 2 x external thread G 3/4", bottom right (by special order, bottom left). Types VHV 20, VHV 22, VHV 34, and VHV 46 are reversible and so can be connected either at bottom right or at bottom left. Connections (vertical design): 2 x external thread G 3/4", bottom right (by special order, bottom left).

Model:

Pressure [bar]:  
Overall height [mm]:  
Number:  
Overall length [mm]:  
Colour:  
Radiator power [Watts]:  
Connections:  
(bottom right or bottom left)

#### Heat Reflector

Consists of from 5 to 8 (exception OH 646: has got 9) layers of steel rectangular pipes (no water flow) arranged one-above-the-other; primed and coated in RAL 9016 (on request, and at a supplementary charge, a range of RAL and sanitary ware colors can be offered); 4 Z-brackets, for installing the heat reflector at the horizontal design; suitable for types VHV 20 (OH 358 to 574 mm) and VHV 22 (OH 358 to 646 mm); packaging: cardboard packaging and shrink foil.

VONARIS central connection radiator

VONARIS central connection radiator in a resistance-welding design, available as:  
Horizontal design, with 1 to 4 layers of steel rectangular water-flow pipes arranged one-behind-the-other, each layer consisting of from 2 to 11 pipes arranged one-above-the-other.

Standard design: rectangular steel pipes 70 x 11 x 1.5 mm

High pressure design: rectangular steel pipes 70 x 11 x 2.0 mm

Vertical design: with 1 or 2 layers of steel rectangular water-flow pipes, arranged one-behind-the other, each layer consisting of from 3 to 12 steel pipes, arranged side-by-side.

Standard design: rectangular steel pipes 70 x 11 x 1.5 mm

High pressure design: rectangular steel pipes 70 x 11 x 2.0 mm

A 2 mm space between the heating pipes guarantees additional resistance to corrosion. Top-quality electrophoretic undercoat, conforming to DIN 55900 part 1, stoved at 165° C; finished with electrostatic powder coating, conforming to DIN 55900 part 2, in RAL 9016 (on request, and at a supplementary charge, a range of RAL and sanitary ware colors can be offered); stoved at an object temperature of 180° C; horizontal design equipped with a built-in valve set, suitable for either double-pipe or single-pipe operation, using a one-pipe manifold, with a factory-fitted cartridge valve (already installed) and protective cap. Vertical design with enclosed connection set suitable for single-pipe or double-pipe operation, and for angled or through-flow connection; comes with a built-in cartridge valve and a covering cap for the fitting in the corresponding radiator color.

VONARIS central-connection radiators are usually delivered with side panels. The horizontal design also comes equipped with a top cover. With the horizontal design, brackets are not included as a matter of course (exception: VHV-M 11 – overall height 358 to 790 mm, does include brackets). For the vertical design, brackets are included.

The VONARIS central connection radiator comes with a drain plug and a pivoting vent plug (with the vertical design, two dummy plugs too), all of them factory-sealed.

VONARIS central connection radiators comply with the former BAGUV regulations, performance conforming to DIN EN 442; triple packed (cardboard packaging, edge protection and shrink foil).

Connections (horizontal design): 2 x external thread G 3/4", bottom centre of the radiator. Types VHV-M 20, VHV-M 22, VHV-M 34, and VHV-M 46 and without brackets are reversible and so can be connected thus that the valve is placed either on the right or left. Connections (vertical design):

2 x external thread G 3/4", bottom centre of the radiator

Model:

Color:

Overall height [mm]:

Horizontal design:

Overall length [mm]:

Valve on the right or left:

Radiator power [Watts]:

Vertical design:

Pressure [bar]:

Connection set:

Number:

ZE Double-pipe operation – angled design

ZD Double-pipe operation – through-flow design

EE Single-pipe operation – angled design

ED Single-pipe operation – through-flow design