

## Spiral elevator – examples for drying & cooling



Left:

### **WF1800/560-UVD4X with IR radiators for drying**

Silver granulate <5 mm, 2.35 t/m<sup>3</sup>,  
product temp. 15 - 100°C  
0.4 t/h / 0.17 m<sup>3</sup>/h (continuous material flow)

#### Particularities:

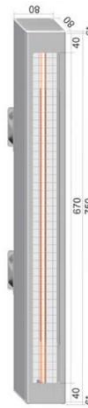
The wings have only a small edge and a slight slope. The spiral elevator is surrounded by 6 vertically arranged IR radiators. Everything is thermally isolated and provided with a protective grille.

- Drying to less than 1% moisture.

#### **IR-radiator** fast medium wave IR-module (ventilated)

Power: 1 x 3.0 kW

continuous emitter with ceramic emitter  
universal position of installation



Right: „Big Sister“

### **WF1680/900-UVF24X with IR radiators for drying**

Silver granulate, <5 mm, 2.35 t/m<sup>3</sup>, 0.4 t/h / 0.17 m<sup>3</sup>/h, product temp. 15 - 100°C  
Drying from 17% to less than 1% moisture

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### WF1800/560-UVD4X with IR radiators for drying

Silver granulate, 0 - 5 mm, 2.35 t/m<sup>3</sup>, product temp. 15 - 100°C  
0.4 t/h / 0.17 m<sup>3</sup>/h (continuous material flow)

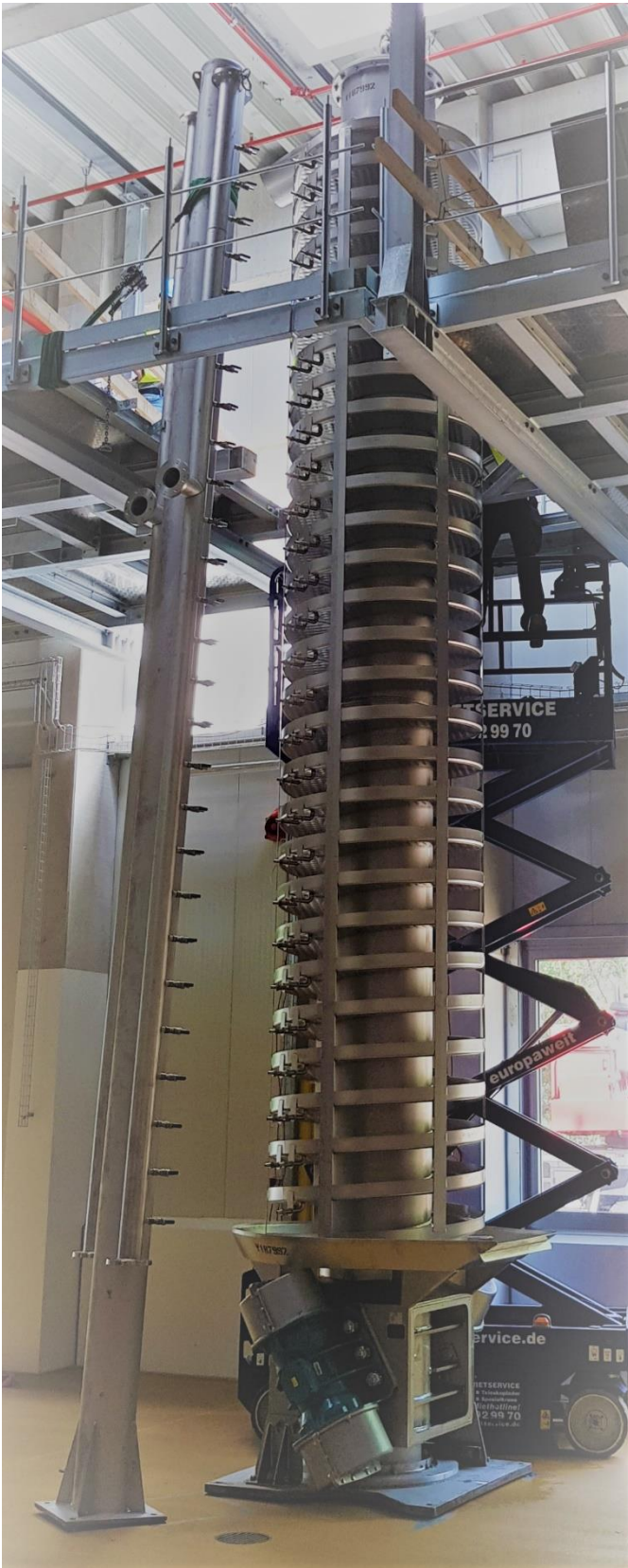
#### Particularities:

The spiral wings have only a small edge and a slight slope. The spiral elevator is surrounded by 6 vertically arranged IR radiators. Everything is thermally insulated and provided with a protective grille.

- Drying to less than 1% moisture.



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### WFW6430/1200-UVP119W

Crunchy muesli, broken, 1 - 30 mm

0.3 – 0.5 t/m<sup>3</sup>

2.2 t/h / 4.4 – 7.33 m<sup>3</sup>/h

(continuous material flow)

Cooling from 70°C to 25°C

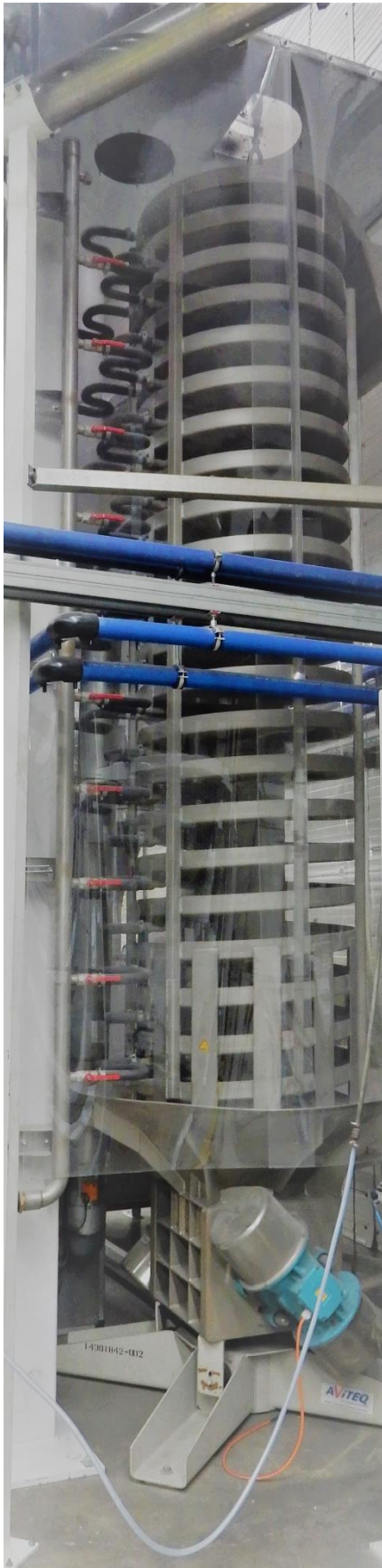
#### Particularities:

Spiral elevator with double floors wings and stationary cooling water supply, each floor is individually connected

- Total height 8.5 m



## Spiral elevator – examples for drying & cooling



Left:

### **WFW3400/890-UVG30W**

PVC hard granulate, 0.7 t/m<sup>3</sup>  
Ø5mm, thickness 2mm, lenticular  
1.5 t/h / 2.14 m<sup>3</sup>/h (continuous material flow)  
Cooling from 170°C to 25°C

#### Particularities:

Spiral elevator with double floors wings and stationary cooling water supply, always two floors are connected together  
- stationary plastic hood

Right:

### **WFW3900/890-UVH38W**

TPE-granulate, 0.5 - 0.9 t/m<sup>3</sup>  
Ø3mm, length approx. 3mm  
2.5 t/h / 2.78 - 5 m<sup>3</sup>/h  
(continual flow of material)  
cooling from approx. 40°C  
to approx. 25°C

#### Particularities:

Spiral elevator with double floors wings and stationary cooling water supply, each floor is individually connected



## Spiral elevator – examples for drying & cooling



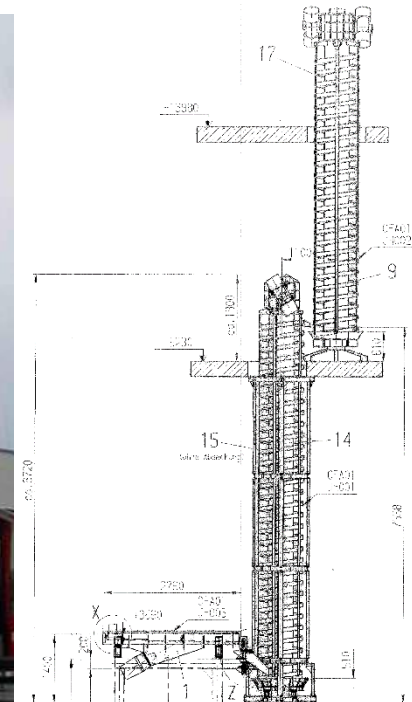
Left:

**WFO7050/1200-UVL64W**

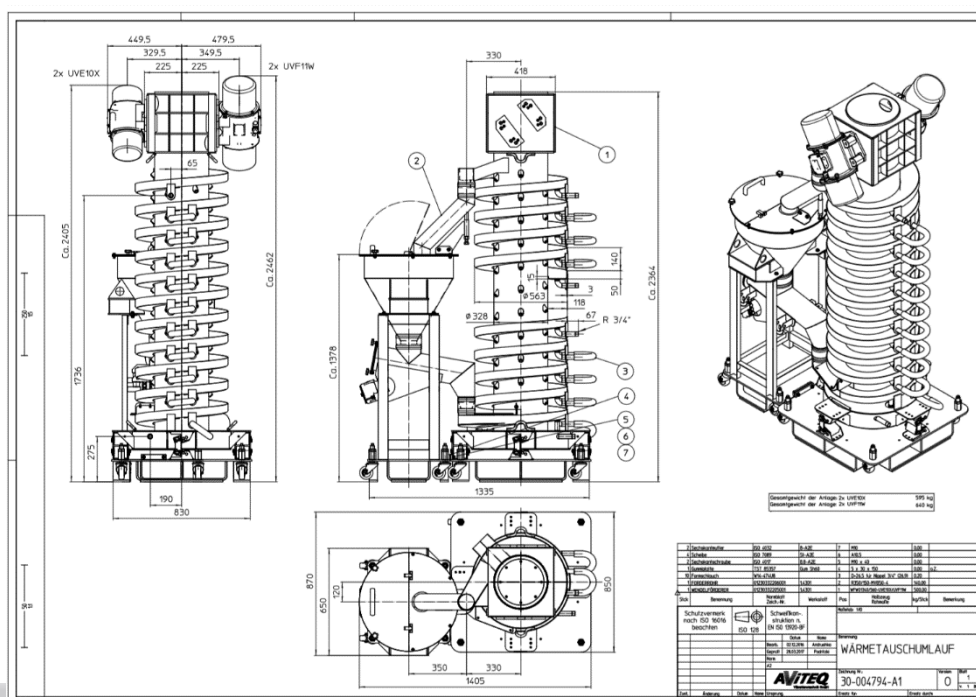
Iron oxide pellets, 2.8 - 3.2 t/m<sup>3</sup>  
0 - 1 mm, small balls  
1.2 t/h / 0.38 - 0.43 m<sup>3</sup>/h  
(continuous material flow)  
Inlet temperature 850 °C

Particularities:

The system consists of two spiral elevators with single floor wings, placed one behind the other with a feeding height of approx. 12.5 m



## Spiral elevator – examples for drying & cooling



**WFWO1340/560-UVF11W or UVE10X**

Heat exchange circulation laboratory equipment  
from AViTEQ  
consisting of :  
funnel, tubular feeder and spiral conveyor

### Particularities:

The entire unit is mobile. The spiral conveyor has double floors and air vents; suitable for connection to a stationary cooling water supply.

For further questions you may get in contact with:

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