

## Horizontal Aerator HP



manufactured by VODASERVIS Ltd. serves to **intensify aeration of water by air oxygen**. The oxygen is driven into the water by a fan or compressor, either in full flow or finely sprayed water. The system is horizontal - the treated water flows over the perforated interstitial space through which the air is driven into the device. The **aeration system is non-pressurized** (it does not contain the air), the water flows out of the device in the water tank. The device is made of **polypropylene in combination with stainless steel components**. Perforated interstitial space can be easily removed and cleaned up. Owing to its low weight, the device can be installed directly on the water tank.

Production technology and used material are a guarantee of a **long service life** without the need for any repairs, coatings or changes due to wear and tear.

The equipment is supplied **complete with installation**, including water and air inlets, fan, removable perforated grates (interstitial space), viewing holes, cleansing holes, removal of turbidity.

### Utilization

By aeration, it is possible to remove the substances from the water, such as radon, carbon dioxide, chlorinated hydrocarbons, volatile gases, ammonium ions  $\text{NH}_4$  (if combined with filtration) and so on. The equipment is suitable for the **water treatment process with higher iron and manganese content**, e.g. for pre-treatment of water before entering the **TVK filter**.



### Advantages

- Small space requirements.
- Minimum maintenance and operating requirements (easy to clean).
- Customization (in relation to connection).

### Performance Parameters

Type	Capacity m <sup>3</sup> /hod	Airflow m <sup>3</sup> /hod	Dimensions w/l/h mm	Water Connection	Air Connection	Fan Power Consumption kW	Weight kg
HPP-4	1,8-4,0	288 - 396	1250x550x850	DN 40 - DN 80	DN 150 - DN 150	0,75	60
HPP-11	4,0-11,0	720 - 1080	1900x630x1050	DN 65 - DN 80	DN 150 - DN 200	1,5	120
HPP-18	11,0-18,0	1080 - 1800	2000x1000x1350	DN 80 - DN 125	DN 200 - DN 250	2,2	200
HPP-36	18,0-33,0	2160 - 3240	2500x1000x1400	DN 80 - DN 150	DN 300 - 2xDN 200	4,0	280
HPP-44	33,0-44,0	2880 - 4320	3200x1200x1400	DN 100 - DN 150	DN 350 - 2xDN 250	5,5	350
HPP-54	44,0-54,0	3600 - 5400	3600x1200x1500	DN 125 - DN 150	DN 400 - 2xDN 300	5,5	400

Other devices are sold on demand.