

High-rate stainless steel sleeve filter RF

High-rate stainless steel sleeve filters RF produced by the company VODASERVIS s.r.o. are used for **water filtration and treatment**. **Water flow** rate of these filters are between **0,2 to 50 m³/hour**. Filtration efficiency is given by the size of the filtration sleeve between **1 to 800 microns**.

Design of the filter container is robust and entirely of stainless steel. All materials used are with a certificate of suitability for permanent contact with drinking water. Production technology and material used guarantee a **device long service life** without further repairs or replacements due normal wear and tear or additional surface coatings.

RF filter consists of high dimension cylindrical container, standing on the stable feet – base or fixed on the wall. The filter is equipped by the closure cap on its upper part. The cap is sealed by the EPDM seal and is fixed by the tilting screws. There is special underlay screen used for filtration sleeve fixation inside the cylinder. The drain valve is placed on the bottom of the filter. There are water pressure manometres on the filter body, measuring the pressure differences before and after filtration and indicating the sleeve fouling.

Filters are delivered as one **complete device** and are **ready for installation**. The filter itself contains filtration sleeve, water input and output manometres, tilting screws on the upper cap and drain valve.

Usage: filtration of less contaminated liquids also with oil additives, final filtration of rough mechanical impurities by Waste Water Cleaning stations, protection of UV lamps.



Quality assurance of stainless steel sleeve filter RF is documented by:

- Leach test set by the Ministry of Health Decree No. 409/2005 Coll.
- ČSN EN ISO 9001:2009 quality certificate
- Certificate of environmental management system ČSN EN ISO 14001:2005

Benefits:

- quality product designed and made in Czech republic
- long service life
- energy-saving operation
- high performance and filtration efficiency
- short delivery time (1-2 weeks)
- easy available spare parts
- closure cap for easy replacement and control of filtration sleeve
- tailor made adjustments according to the customer specific requirements

Modifications:

- manufactured from stainless steel material No.: - 1.4401, 1.4541, 1.4571, etc.
- delivered with different sizes of filtration sleeve from 1 to 800 microns for drinking and technological water, oils, colors
- manufacturing possible also with the stainless steel filtration sleeve
- hot water ready up to 120°C
- in/out dimensions can be adjusted according to different types of connection (thread or flange fittings) and positioned on any place on the cylinder.

RF filters basic parameters:

Type	Performance (m ³ /h)	Filtration surface (m ²)	In/Out Connection (inch)	Dimensions w/d/h (mm)
RF 6	0,5 - 6	0,07	1	315/295/525
RF 10	7 -10	0,12	1 1/4	315/295/745
RF 20	11 - 20	0,24	1 1/2	370/240/765
RF 30	21 - 30	0,45	2	370/340/1165
RF 45	31 - 45	0,45	2 1/2	370/340/1165
RF 50	41 - 50	0,67	3	370/340/1500

Operating pressure up to 10 bar. Pressure drop maximum 0,5 bar. Operational temperature +5°C to 120°C. Filters are not classified as pressure device.

