

## Stainless steel pressure filter TVK

Stainless steel pressure filters **TVK** produced by the company **VODASERVIS s.r.o.** are used for **water filtration and treatment**. **Water flow rate** of the filters is **between 0,2 to 140 m<sup>3</sup>/hour**. 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.

There are several basic types of **TVK filters: sand filter, demanganising (S), dechlorination (U), deacidification (O)** filters; all with the **manual or automatic performance control**.

Filters are delivered as **one complete device and are ready for installation**. The filter itself contains filtration media, PVC fittings for water flow through the filter, water inlet and outlet pressure gauges, drain valve, automatic deaeration valve, restrictor against filter media leakage and sight on the waste water pipe. In case of automatic filter performance, there is a control unit as well as an oil-free compressor for compressed air used for management of water flow and fittings.

**Usage:** removal of iron, manganese, aluminum, COD, turbidity, color, odor, ammonium ions, acidity, pesticide substances, uranium, chlorinated hydrocarbon, arsenic, heavy metals, ozone, chlorine, petroleum products and other.



### Quality assurance of stainless steel pressure filter TVK is proven by:

- leach test set by the Ministry of Health Decree No. 409/2005 Coll.
- registered Utility model certified by Czech Industrial Property Office
- 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
- easy available spare parts
- filling holes for easy replacement and control of filtration media
- backwashing by water
- self operation (for devices with automatic control unit)
- easy and intuitive operation
- tailor made adjustments according to the customer specific requirements

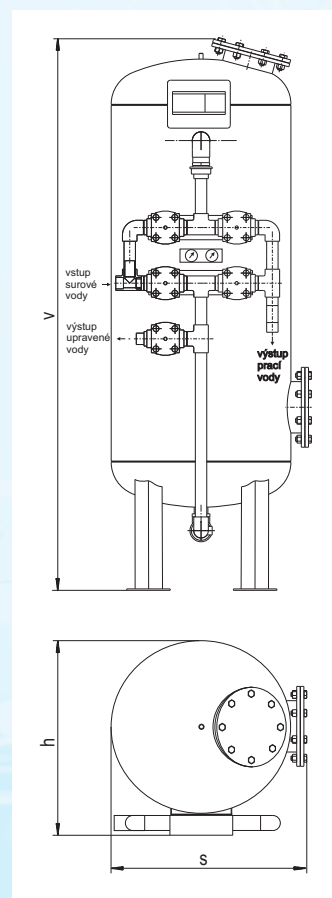


### Modifications:

- manufactured from stainless steel material No.: - 1.4401, 1.4541, 1.4571, etc.
- outer fittings manufactured from stainless steel material (not PVC)
- manufacturing of fittings and filter ready for disinfection by steam
- hot water ready
- accessory tray with plastic nozzles
- air backwashing

### TVK filters basic parameters:

Type	Diameter (mm)	Dimensions w/d/h (mm)	Connection (inch)	Performance (m <sup>3</sup> /hour)
TVK 17	168,3	230/300/1050	3/4	0,2 - 0,4
TVK 20	204	280/350/1250	3/4	0,3 - 0,6
TVK 25	254	300/400/1750	3/4	0,4 - 1
TVK 30	304	300/450/1800	1	0,6 - 1,4
TVK 40	400	410/600/1850	1 1/4	1 - 2,5
TVK 50	500	520/750/1950	1 1/4	1,6 - 3,9
TVK 60	630	650/850/2000	1 1/4	2,3 - 5,6
TVK 70	700	700/950/2050	1 1/2	3,7 - 7,7
TVK 80	800	800/1050/2070	1 1/2	4 - 10
TVK 90	900	900/1150/2100	1 1/2	5,1 - 12,7
TVK 100	1000	1100/1250/2100	2	6,3 - 15,7
TVK 110	1100	1200/1350/2150	2	7,6 - 19
TVK 120	1200	1300/1450/2150	2	9 - 22,6
TVK 130	1300	1400/1550/2200	2 1/2	10,6 - 26,5
TVK 140	1400	1500/1650/2250	2 1/2	12,3 - 30,8
TVK 150	1500	1600/1750/2500	2 1/2	14,1 - 35,3
TVK 160	1600	1700/1900/2650	3	16,1 - 40,2
TVK 170	1700	1800/2000/2700	3	18,1 - 45,4
TVK 180	1800	1900/2100/2750	4	20,30 - 50,9
TVK 190	1900	2100/2200/2800	4	22,7 - 56,7
TVK 200	2000	2200/2300/3400	4	25,1 - 62,8



Specification of TVK filters with diameters from 2 100 to 3 000 mm can be provided on request.

Operating pressure up to 6 bar. Pressure drop maximum 0,5 bar. Operational temperature +5°C to 45°C. Control voltage 220V/50Hz. Installed power 15W (compressor 1,3 kW). Filters are not classified as pressure device.

