

Flow-Jet Washing Machine type VFT



One-stage or two-stage models available as standard.

Several modules may easily be put together into a multi-stage washing machine. A separate drying unit is also available.

Areas of use:

**Cleaning/degreasing of
details that are difficult to
clean and automatic goods**



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Experience

Viverk has 50 years of experience in manufacturing industrial washing machines. As a purchaser you are welcome to share this experience!

Choice of machine

Attention should be paid to the appearance and quantity of the items to be washed and to the processes prior to and after washing.

Washing result

The washing result will be affected by the following factors:

- Pressure
- Flow
- Time
- Chemicals
- Temperature

Environment

Equipment today is chosen with regard to work and process environment. It must be ergonomic, economic, ecological and efficient.

This has been taken into account in construction. The machines occupy only a small floor area, have a closed liquid system and are well insulated. Different types of handling systems.

General

- all machines are intended for alkaline washing fluids
- CE-marked
- 1-year guarantee
- control voltage -24V/~220 V 50 Hz
- electrical equipment as per SS EN 60204-1
- operational and maintenance instructions in one paper copy and one CD.

Functional description

The entire washing process is accomplished in the same cabinet. The goods is washed both internally and externally and the process is suitable for complicated parts, that are difficult to clean, and automatic goods.

Prior to washing, the basket is pushed into the washing chamber and the door is closed automatically. The Flow-Jet bath is filled with washing liquid. During the washing process the goods is rotated or rocked, in a very high water flow, and also exposed to ejector injections of air. The liquid level in the bath is so high that the tub is continuously brimming over and by that all impurities and particles are swilled of.

The baths are heated with acid-resistant electrical elements.

Several modules may be built together, as one plant, with a joint conveyor system. Drying of the goods may be done in an integrated drying unit placed in the final treatment module.

Standard equipment

- stainless material on the inside
- externally coated with stainless plate
- filter baskets of stainless material
- pneumatic door
- one-module-plants are equipped with protection against injury by crushing. Plants consisting of several machines are fenced and has a gate equipped with a safety switch.
- safety key on the door for service
- spare cartridge for fast replacement of elements
- operators panel with error diagnosis shown in text and maintenance alarm
- prepared for oil separator

Advantages

A minimized bath volume gives the nozzles an optimum placement, close to the goods, and they can use full effect of the spray pressure, which gives a good turnover of the bath. Ejector injection of air into the bath give cavitation, which is directed towards the goods and an effective washing process is obtained.

Oil and particles flow up to the surface and will not stick to the goods again, when the level is sinking, since the fluid is continuously brimming over.

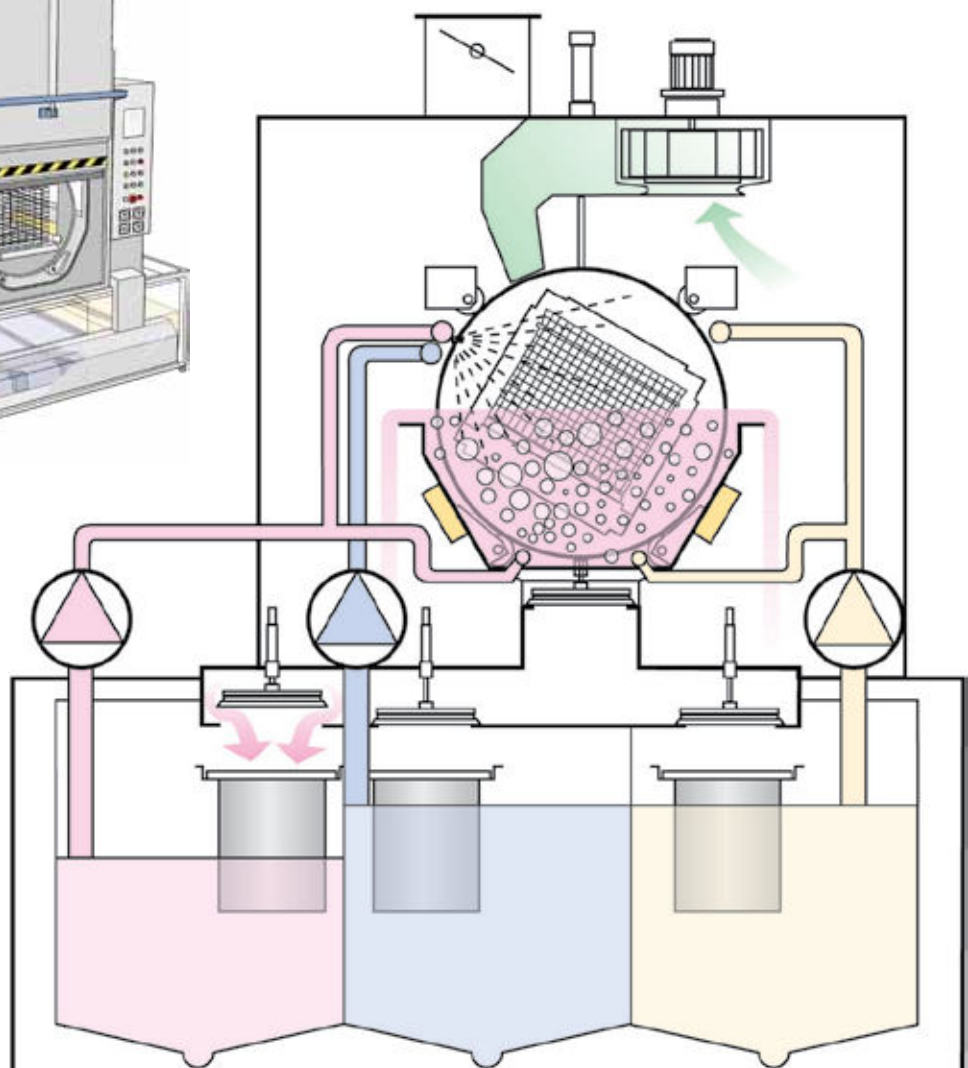
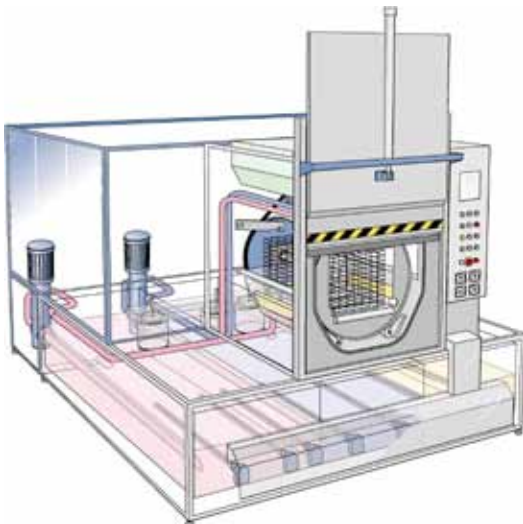
Fault diagnosis in plain text on the operator's panel.

The pressure pipe from the pump has been increased one size to reduce pressure losses in the pipe and to give maximum spray pressure from the spray nozzles.

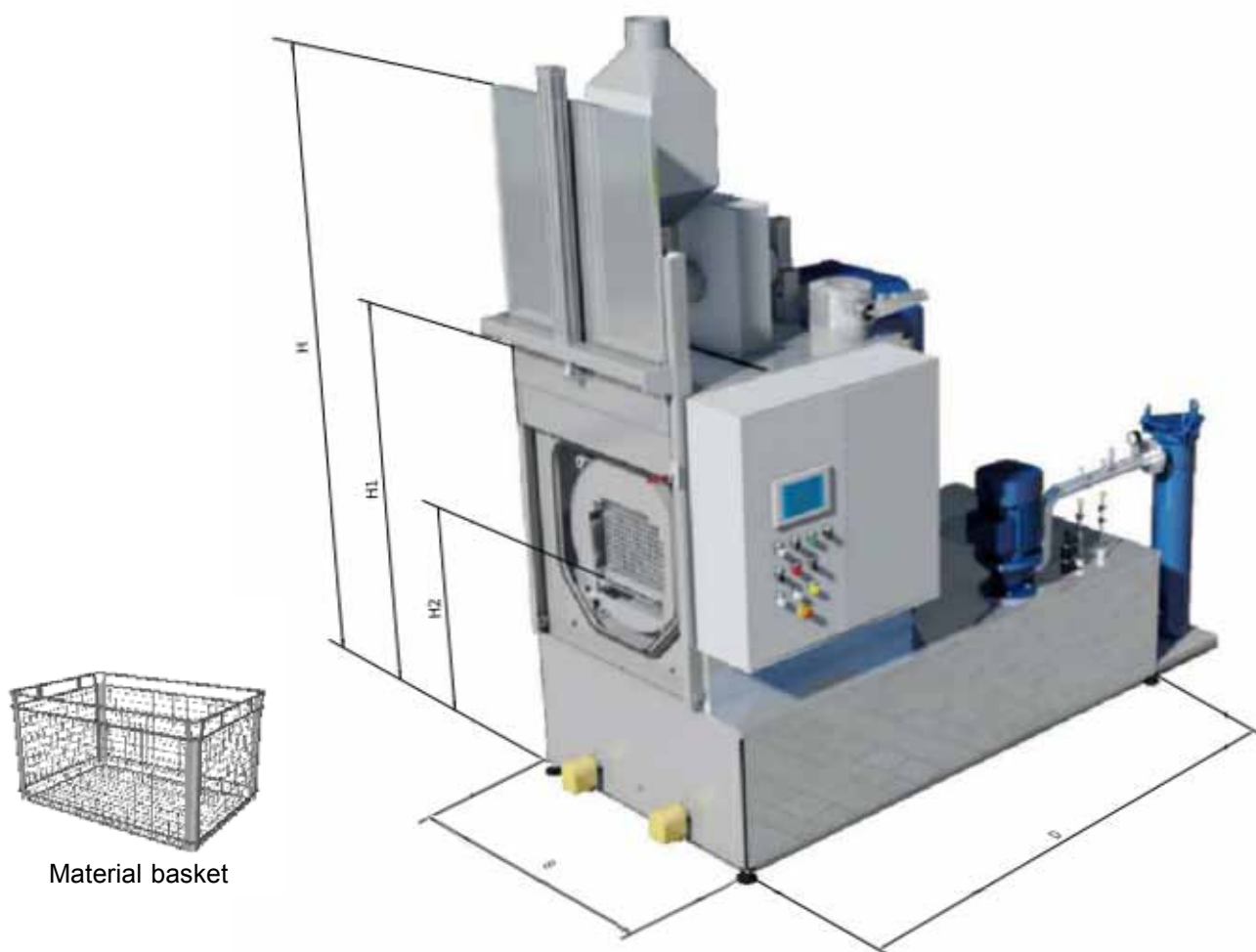
A protective rubber seal makes the door completely tight.

The design of the machine makes it very easy to service and maintain. The tank is fully accessible and equipped with large filter baskets.

A valve on the suction side of the pumps allows the shaft seal to be changed without tank emptying. Large angles of inclination make it easy to empty and clean.



One-stage machines



Material basket

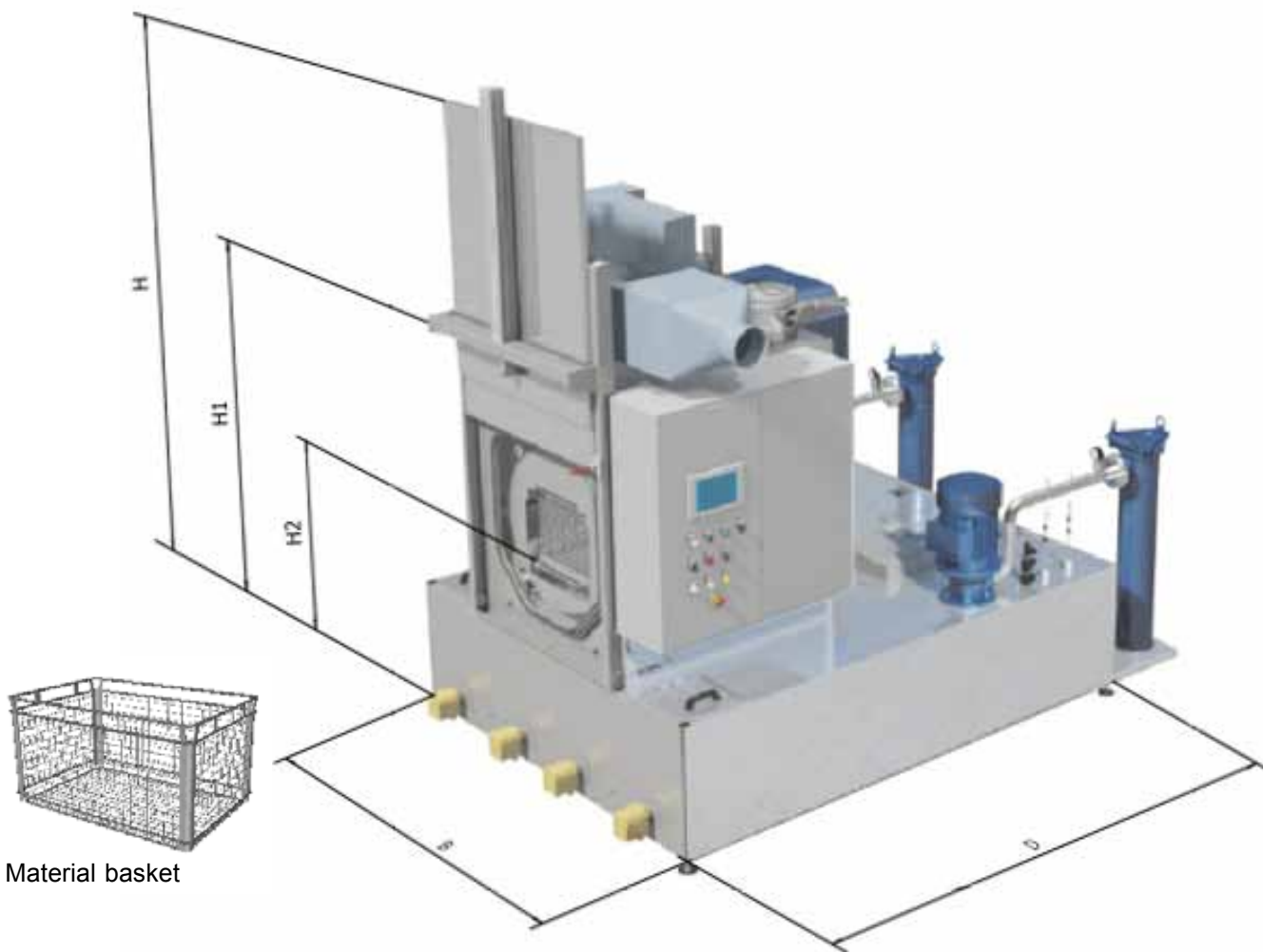
Main measures in mm and weight of units

Model	H	H1	H2	B	D	Max. load kg	Space for goods LxBxH	No. of charges per hour
VFT-64-P	3100	1900	950	1300	2500	200	600x400x330	15
VFT-86-P	3200	1900	950	1350	3100	200	800x600x330	15
VFT-124-P	3100	1900	950	1300	3100	200	1200x400x330	15

Technical data

Model	Electrical power kW	Tanks		Pumps		Flow-Jet tub
		Heat. power kW	Tank volume l	Capacity l/min	Pressure kPa	Volume l
VFT-64-P	33	24/12	1120	250	700/300	360
VFT-86-P	41	30/15	1450	400	700/300	420
VFT-124-P	35	24/12	1400	400	700/300	440

Two-stage machines



Material basket

Main measures in mm and weight of units

Model	H	H1	H2	B	D	Max. load kg	Space for goods LxBxH	No. of charges per hour
VFT-64-P2	3100	1900	950	1950	2500	200	600x400x330	7
VFT-86-P2	3200	1900	950	1920	3100	200	800x600x330	6
VFT-124-P2	3100	1900	950	1920	3100	200	1200x400x330	6

Technical data

Model	Electrical power kW	Tanks				Pumps				Flow-Jet tub
		Heat. power kW		Tank volume l		Capacity l/min		Pressure kPa		Volume l
		Tank 1	Tank 2	Tank 1	Tank 2	Tank 1	Tank 2	Tank 1	Tank 2	
VFT-64-P2	47	24/12	12	840	730	250	250	700	300	360
VFT-86-P2	58	24/12	12	1050	910	400	400	700	300	420
VFT-124-P2	47	24/12	12	1050	910	400	400	700	300	440

Transport system

Manual loading of goods

Transport wagon



T-track system



Fully automatic loading of goods

Carriage loading to and from roller conveyor



Carriage loading to and from loading platforms



Accessories

Level regulation



Dosage equipment



Oil separator type AU-OL-300



Oil separator type AU-OL-1000



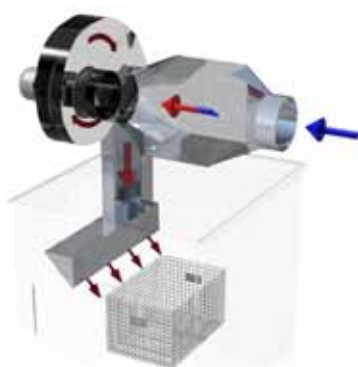
Particle filtering



Ultrasound



Integrated blow-off/drying



Vacuum drying oven



References

A complete list of our references is to be found on www.teijoviverk.se.

Flow-Jet automat for basket material type 4xVFT-124-P1 with fully automatic transport system and transfer wagon for washing of armature details in brass and aluminium. Delivered to Tour&Andersson AB, Ljung, Sweden.

Flow-Jet automat for basket material type VFT-124-P1 special with rotation drying oven and fully automatic transport system for washing of engine block and cylinder heads. Delivered to Volvo do Brasil, Brazil.

2 pieces Flow-Jet washing plants type VFT-124-P1+P1+P2 with fully automatic transport system and folding table for washing of aluminium details. Max weight of basket 1000 kg. Delivered to Benteler Aluminium Systems Sweden AB, Skultuna, Sweden.

3 pieces Flow-Jet washing plants type VFT-124-P1 with special lances for washing of cylinder heads. Delivered 2002, 2003, 2007 to Volvo Penta AB, Vara, Sweden.

Flow-Jet washing machine type VFT-312-P with a vacuum oven for wash of hydraulic tanks for trucks. Delivered to Jitech AB, Tingsryd, Sweden.

9 pieces of Flow-Jet washing machines type VFT-86-P1 with vacuum ovens for truck details. 8 pieces were delivered to Scania, Sibbhult, Sweden and 1 was delivered to Zakrisdalsverken, Falun, Sweden.

Flow-Jet automat type VFT-2x124-P1 with ultra sonic cleaning, vacuum oven and fully automatic transport system for cleaning of basket goods. Delivered to Uppåkra Mekaniska AB, Skillingaryd, Sweden.

Flow-Jet automat for basket material type VFT-124-P3 with integrerad flushing with high pressure pump, ultra sonic and an integrated vacuum oven for cleaning of fuel system details. Delivered to Bufab Lann AB, Värnamo, Sweden.

We have also delivered washing machines with integrated ultra sonic, washing machines equipped with vacuum ovens, washing machines for robot cells, tunnel washing machines for cleaning of plastic boxes, washing machines for cleaning of airplane rims. **We can do almost everything!**



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