



A new way for collecting and discharging liquids



Metal basket for waste



Stainless steel deflector with clapet



Cable holder



Liquid-discharge valve



Accessories holder



Diverting valve: the fastest way to discharge the collected liquids



Float cut-off system



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WSS 100 WST 100



Nilfisk-CFM S.p.A.
Via Porrettana 1991
41059 Zocca (Modena) Italy
Tel. +39 059 9730000
Fax +39 059 9730099

www.nilfisk-cfm.com
info@nilfisk-cfm.com

- please call me by phone
- i need a visit of a vacuums specialist
- please send me free documentation

WSS-WST

Company: _____ Mrs./Mr.: _____
 Function: _____ Address: _____
 ZIP: _____ City: _____ Prov/State: _____
 Tel.: _____ Fax: _____ Mobile: _____
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WSS100 and WST100, the fastest way to collect liquids

Nilfisk-CFM introduces the new industrial vacuums for wet applications



WSS100 and WST100

Collecting 100 litres of any kind of liquid and discharging them very fast by simply acting on a diverting valve able to transform the suction flux into a blowing one. That is what the new singlephase industrial vacuums WSS and WST can offer in full safety.

A closely look

The liquid-vacs WSS100 and WST100 have been designed for wet applications in the industrial context.

Both models come into two main versions: with or without diverting valve. The valve can reverse the suction flux for an easy and fast discharge. In the absence of the diverting valve the liquid is discharged by gravity; both models are available painted or in stainless steel.

Moreover model WST100 is equipped with a tilting motor-head allowing an easy access to the metal basket (optional) containing swarfs and other solid materials.

		WSS100	WSS100 DV	WST100	WST100 DV
Voltage/Frequency	V/Hz	230/50	230/50	230/50	230/50
Rated power	W	2400	2400	2400	2400
Noise Level	dB(A)	79	79	79	79
Protection Class	IP	44	44	44	44
Insulation Class	Class	I	I	I	I
Container capacity	L	100	100	100	100
Inlet (Diameter)	mm	50	50	50	50
Max waterlift	mbar	220	220	220	220
Max airflow	L/min	4500	4500	4500	4500
Weight	Kg	50	50	60	60
Size (LxWxH)	mm	580x800x1230	580x800x1230	580x880x1230	580x880x1230
Diverting valve	/	No	Yes	No	Yes
Motor-head release system	/	Lifting	Lifting	Tilting	Tilting

Liquid-vacuums for business



Nilfisk-CFM has designed the industrial vacuums for wet applications WSS100 and WST100 especially in the industrial context.

Coolants, food liquids and chemical solutions need performances able to grant speed, control and safety; WSS100 and WST100 can grant these performances. Time saving is the top feature of these liquids vacuums; all the collecting and discharging operations are very fast: you collect liquids, the float stops the suction, you activate the valve

and discharge the collected liquids. Finally, to discharge the solid swarfs, you only need to lift the motor-head up and to extract the metal basket containing waste. So, in few minutes it is possible collecting 100l of mixed liquids and solids, separate them and discharge liquids.

In particular, when coolants are collected they are filtered to be reintroduced into the machine tool. During the suction phase the coolant becomes full of oxygen that helps to kill the existing bacteria.

Additional nylon filters can be added to the swarf basket in order to hold also the smallest pieces of solid materials, the filtration efficiency is 50 micron.

These vacuums are completely built with high quality and resistant materials, moreover they can be equipped with a wide range of specific accessoires kits that have been designed following the specific needs of various sectors.



Mechanical sector: collecting oil and swarfs from a machine tool



Food sector: collection of water and sugar in a food production

How does it work?

An all-in-one, easy to use liquid-vac

1. Collect any kind of liquid mixed with swarfs or any other kind of material;
2. Turn off the vacuum and reverse the valve;
3. Turn on the vacuum and reintroduce the liquid, filtered by any kind of solid or semi-solid material.

This procedure allows to save time and money in each application in which liquids are used for the production.



Mechanical sector: coolants free of bacteria can be used many times

