



VANTIX

AUTO COATING C Series



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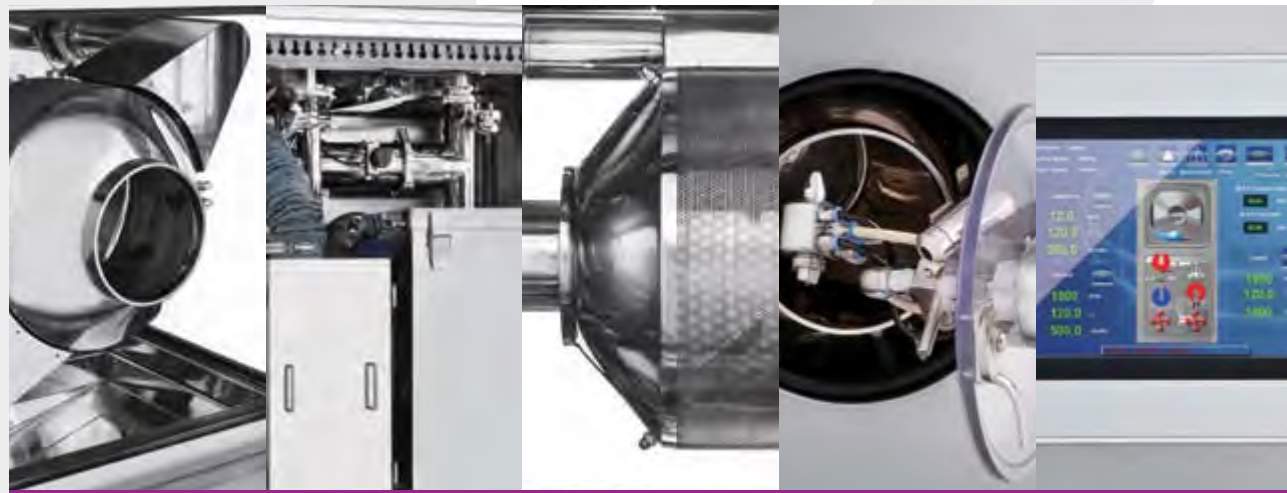
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MODERN DESIGN



Quality Assurance

Sejong Pharmatech has 20 years of accumulated know-how and its innovative strides for the highest quality and level of technical development makes the company for pharmaceutical machine industry. Sejong Pharmatech has advanced technology from abroad for the development and production of a broad range of pharmaceutical machines to enable Sejong Pharmatech to serve the global pharmaceutical market.

Engineering experts from all pharmaceutical manufacture industries focus on customer's needs and satisfaction to supply the best solutions to improve their production. Also Sejong Pharmatech aims to provide its customers with the best products on the market and impeccable service.

A combination of both will not only fulfill the customers requirements but also give them a supplier they can trust!

Optimization technology to seek professional values

Sejong Pharmatech, grown with technologies accumulated by innovative research and development effort over 23 years
New beginning for the pursuit of innovation to satisfy customer's desire with optimized technologies, Vantix!

VANTIX



VANTIX

Under the philosophy "Optimized Pharmaceutical Machine as Customer Value-Oriented"
In pursuit of High technology and quality with continuous innovation
VANTIX series provides unique company-customized service



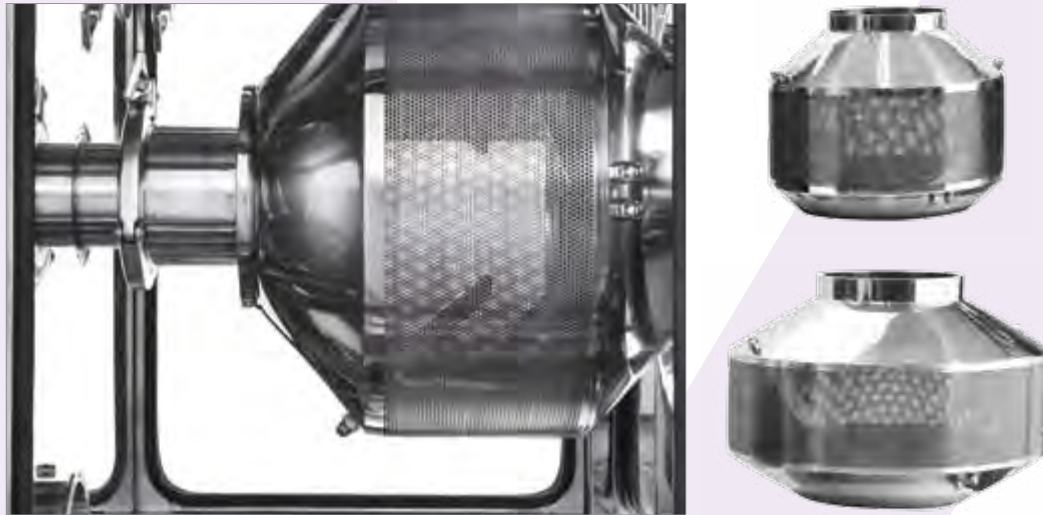
VANTIX

AUTO COATING C Series

VANTIX C Series is designed with the most effective air supply and exhaust structure to maximize drying efficiency while its patent-earned spray gun auto-sliding is designed to enable easy nozzle replacement and cleaning. All coating systems are fitted to various GMP standards in different countries. Their simple and stylish external design further satisfies customer's taste.

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■ Lab Auto Coating System with Replaceable Coating Pans

Able to replace coating pan depending on differendt amount of coated tablets.

- VANTIX C30FC : 1~9 (ℓ / Batch)
(replacing 4-type coating pans).

The coating pan of simple structure is designed to facilitate easy and fast replacement without extra device.



■ External Design

While the exterior of the machine is fashioned in stainless steel in accordance with GMP (Good Manufacturing Practice) regulations, the front-middle part is made up of Polished Stainless Steel to give it a simple and elegant design. As alloperation panels are located on the front area of the machine, it offers enhanced convenience for users to easily and promptly monitor and control the machine. Also, windows on the left and right sides allow users to check coating pan operation without opening the door.



■ Fully Perforated Coating Pans

The entire bed part of the coating pan is perforated and the baffle is attached to the hopper part. It is easy to mount and dismount as it is a bolt type.

Furthermore, it is designed in a way in which tablets will not stick to other parts as drug-contacting parts such as coating pan and baffle are made up of 316L stainless steel and mirror-polished.

Also mirror polished are the air supply and ventilation ducts.

It is classified by coating pan quantities and easy to replace with its sanitary clamping method.



■ Easy Spray Gun Setting

It is adopted with one touch system for quick spray gun setting device. Spray gun pipe has ruler, it helps easy setting spray position and proper angle on each coating pan.



■ Electric Heat Exchanger

The heat exchanger provided the coating system with an electric heating so that it does not need to have additional steam line device. It is also easy to install.

Plus, As TPR (Thyristor Power Regulator) is installed in the electric box at the side of the heat exchanger, it ensures the highest safety as the electric heater and the safeguard overheat protector will be supplied with constant electric current.



■ Independent Solution Pump

As it is designed to enable peristaltic pump to move by separating, it is easy for maintenance, repair and cleaning.

On the upper part, there is a HMI System of PC to control the speed and to save coating data. It is possible to do replacement of pump head by provided solution.



■ HMI System

Newly developed HMI system based on Windows system is designed to allow users to use and operate it without any difficulty.

Also, it acquired a 21CFR Part 11 approval for the U.S. FDA with PLC or HMI programming to allow various functions such as storing and bringing in coating data and printing them. It is also compatible with other devices.

The biggest advantage of Sejong Pharmatech's HMI system is that it can easily transmit data to Supervisory Control and Data Acquisition (SCADA System).



Solution Tank

The exterior is covered by stainless steel in accordance with GMP standards. The ingredient-contacting part inside of the tank is made up of stainless steel 316L and polished so as to maximize the fluidity of ingredients. As it is designed using an air motor agitator operation method, there is no risk of explosion while the attached air-regulator enables speed adjustment. In addition, a jacket and single tank are divided and jacket tank is designed with electric heater warm-up method to prevent the coating liquid from hardening. The solution tank is designed with a release clamp on the lid to enable easy cleaning.



Dust Collector (Dry Process)

The blower installed inside of the dust collector inhales dust in the coating fan which is then discharged outside after passing through a cartridge filter. The cartridge filter removes the clogging of the filter by automatic shaking at regular intervals and dust generated during this process accumulates in the dust box under the dust collector. As users can adjust the speed of the blower with an inverter, it is possible to control wind speed and static pressure. As an option, it is possible to install a blower motor for hazardous areas or a HEPA filter.

※VANTIX C Series has the Inner Dust Collector, basically.



● Standard
○ Option
— Not Applicable

Model	VANTIX C Series	
	C30FC	C30JC
Film Coating (Manual Damper)	○	○
Film & Sugar Coating (Auto Damper)	●	●
Film Pump (Perstaltic Type)	●	●
Sugar Pump (Diaphragm Type)	○	○
HMI System (21CFR Part 11)	●	●
Heat Exchanger	●	●
Dust Collector	●	●
Solution Tank (Single)	○	○
Solution Tank (Jacket)	○	○
PLC(B&R)	●	●
Spray Gun (Schlick ABC Type)	●	●
Spray Gun (Binks HVLP Type)	○	○
Spray Gun Quantity	1	1
Inlet of the HEPA Filter	●	●
Outlet of the HEPA Filter	—	○
WIP System	—	○
CIP System	—	○
Tablet Bed Temperature Sensor	●	●
Dehumidifier	—	—
Explosion Proof for Main Coater Motor	—	○
Explosion Proof for Heat Exchanger Motor	—	—
Explosion Proof for Dust Collector Motor	○	○
Small Baffles	—	—
Coating Pan Changeable	●	●
Fluid Flow Meter	●	●
Tablet Loading (Manual)	○	○
Tablet Unloading (Automatic)	—	○
Spare Parts for 2 Years	○	○
IQ & OQ	○	○
Power Supply Data	200 / 220 / 380 / 400 / 415 / 440 / 480 V, 50 / 60 Hz, 1Phase, 3Phase	

※ The above specification is subject to change without prior notice for the technical development.



VANTIX
AUTO COATING C 30FC

Description		Model			
		C 30FC			
Interchangeable Pan Diameter (Ø/mm)		480	420	330	240
Pan Mouth Diameter (Ø/mm)		200	200	160	135
Output Capacity	(l/batch)	9	5	2.5	1
	(kg/batch)	2~6.3	1.7~3.5	0.7~1.7	0.4~0.7
Pan Speed (RPM)		3 ~ 50			
Total Electric Power (kW)		10			
Supply Air Volume	Air volume (CMM)	14.5			
	Wind pressure (mmAq)	60			
Exhaust Air Volume	Air volume (CMM)	11			
	Wind pressure (mmAq)	120			
FILTER	PRE FILTER (%)	70			
	MEDIUM FILTER (%)	90			
	HEPA FILTER (%)	99			
Supply Heating Type		Electronic Heater (7kW)			
Supply & Exhaust Filter		Supply : PRE, MEDIUM,HEPA FILTER			
		Exhaust : Cartridge Filter			
Compressed Air Consumption (l/min)		120			
Main Motor (Kw)		0.4			
Spray Gun Type		MODEL : 970			
Solution Pump		Film : Watson-Marlow 323U Sereis			
		Sugar : Watson-Marlow 323U Sereis			
water system		Manual			
Refining temperature sensor		Contactless			
HEPA filter heat exchanger (mm)		300 x 300 x 150			
Control Type		HMI (Standrad)			
Dimension	W (mm)	630			
	D (mm)	770			
	H (mm)	1750			
Weight (kg)		450			

※ The above output capacity is calculated at a density of 0.7 and can vary depending on the density.
※ The above specification is subject to change without prior notice for the technical development.

VANTIX
AUTO COATING C 30JC

Description		Model			
		C 30JC			
Interchangeable Pan Diameter (Ø/mm)		480	420	330	240
Pan Mouth Diameter (Ø/mm)		200	200	160	135
Output Capacity	(l/batch)	9	5	2.5	1
	(kg/batch)	2~6.3	1.7~3.5	0.7~1.7	0.4~0.7
Pan Speed (RPM)		3 ~ 50			
Total Electric Power (kW)		10.5			
Supply Air Volume	Air volume (CMM)	14.5			
	Wind pressure (mmAq)	60			
Exhaust Air Volume	Air volume (CMM)	11			
	Wind pressure (mmAq)	120			
FILTER	PRE FILTER (%)	70			
	MEDIUM FILTER (%)	90			
	HEPA FILTER (%)	99			
Supply Heating Type		Electronic Heater (7kW)			
Supply & Exhaust Filter		Supply : PRE, MEDIUM,HEPA FILTER			
		Exhaust : Cartridge Filter			
Compressed Air Consumption (l/min)		120			
Main Motor (Kw)		0.75			
Spray Gun Type		MODEL : 970			
Solution Pump		Film : Watson-Marlow 323U Sereis			
		Sugar : Watson-Marlow 323U Sereis			
water system		Manual			
Refining temperature sensor		Contactless			
HEPA filter heat exchanger (mm)		300 x 300 x 150			
Control Type		HMI (Standrad)			
Dimension	W (mm)	750			
	D (mm)	1000			
	H (mm)	1700			
Weight (kg)		Approx. 550			

※ The above output capacity is calculated at a density of 0.7 and can vary depending on the density.
※ The above specification is subject to change without prior notice for the technical development.