

全自动真空预抽机

CM-VP PRE-VACUUM SYSTEM

CM-VP系列全自动真空预抽机是一款专为制冷设备生产线预抽真空而设计。具有操作简单，高精度真空传感器测量，能精确显示真空值等特点。控制系统允许用户通过设定真空时间和真空度来进行抽真空作业，并提示真空度是否合格。

适用于：家用空调、冰箱、冰柜、饮水机、冰激凌机、除湿机、冷冻机、中央空调、汽车空调、火车空调、热泵热水器、热管换热器等制冷机组。

CM-VP301 is a pre-vacuum system for the refrigeration equipment production line. This unit is composed of a electrical microprocessor control system and rotary vane vacuum pump which allows it work automatically on two more work site. The control system will allow the user to set the vacuum time and vacuum degree to to perform vacuum process and reminds vacuum degree qualified or not. special requirement can be customized

主要特点:

1. 真空度、抽空时间可设定，到达设定时间达不到真空度，会声光报警；
2. 真空度实时显示，便于产线实时在线查看；
3. 机组真空度是否合格能够实时显示；
4. 标配2路进气口，可以高低压同时抽空亦可以2台机组同时抽真空，效率高；

Main Features:

1. Vacuum degree and vacuum time can be set separately
2. Sound and incaditor reminder when product reach vacuum degree or not in certain time
3. Digital vacuumeter display real-time vacuum degree
4. Equipped with two vacuum ports can be work at same time to improve production capacity



系列参数Specification:

型号 Model	抽气速率 Vacuum Flow Rate	极限真空 Ultimate Vacuum Degree	功率 Horsepower	电压 Voltage
CM-VP301	30 m³/h (8 L/s)	0.5 Pa	1.5 KW	380V 50Hz 3PH
CM-VP401	40 m³/h (11 L/s)	0.5 Pa	1.5 KW	380V 50Hz 3PH
CM-VP601	60 m³/h (16.7 L/s)	0.5 Pa	2.2 KW	380V 50Hz 3PH
CM-VP901	90 m³/h (25 L/s)	0.5 Pa	3.7 KW	380V 50Hz 3PH

VD系列工业级高真空真空泵

VD High Vacuum Industrial Vacuum Pump Series

春木VD系列工业级高真空真空泵是专为制冷空调生产企业，生产线和实验室开发的，具有真空度高，经久耐用等特点。是空调生产企业专用必备设备之一。

VD High Vacuum Industrial Vacuum Pump Series is specially developed for the A/C manufacturers, production lines and Laboratory, with features of high vacuum, strong durability and long life, etc. It's a necessary tool for A/C after service.



系列参数Specification:

型号 Model	CMVD10	CMVD16	CMVD301	CMVD401	CMVD601	CMVD901
电压 Voltage	220v或380v		380v/50hz~3PH			
极限真空 Ultimate vacuum	5×10 ⁻¹ pa					
抽气速率 Flow rate	10m³/h	16m³/h	30m³/h	40m³/h	60m³/h	90m³/h
电机功率 Horsepower	0.4kw	0.55kw	1.5kw	1.5kw	2.2kw	3.7kw
重量 Weight	25kg	27kg	63kg	65kg	87kg	101kg
进气口尺寸 Inlet size	KF25	KF25	KF40	KF40	KF40	KF40

* 所有机器电压可定制；
* 上述规格参数若有变更，恕不另行通知；

国际品质 • 用心服务 • 专业首选
World-Class Quality Excellent Service professional choice

春木制冷
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春木制冷
ChunMu Refrigeration

冷媒加注机系列

Refrigerant Charging Machine Series



让工作更轻松

提供制冷剂回收、净化、加注一站式解决方案
One-Stop Solution Provider For Refrigerant Recovery, Filling, Recycling

CM8600 (S、T系列) 高速冷媒加注机

CM8600(S、T) High Speed Refrigerant Charging Machine

CM8600 (S、T系列) 高速系列冷媒加注机集抽真空、泄漏检测、冷媒全自动加注于一体，可高速充注R134a、R22、R513A、R404A、R410A、R406A等常规冷媒，适用于商用空调、中央空调、工业空调、冷水机组、高速生产线家用空调及热泵等大型制冷机的冷媒加注。
CM高速加注枪技术的加入以及优化的增压泵技术的应用，为冷媒高速充注提供了稳定的技术支持，并支持单次9999g的最大充注量。设备具备CE认证，已出口西班牙、美国、法国、瑞士、墨西哥、突尼斯等全球35个国家和地区。

CM8600 (S、T) series high speed refrigerant charging machine was specially designed for work with most common refrigerant and to be used in any kind of assembly lines of cooling system (refrigerators, water cooler, heat pump, air conditioners etc...) to perform evacuation, leakage test and refrigerant charging. This system utilizes upgraded charging technology with high flow rate booster pump which can meet the needs of high production rates that require a very accurate refrigerant charging accuracy.

核心优势1 Advantage 1 :

智能函数线性算法，可以确保每一个加注量的点都是精准的。

Smart linear algebra algorithm to make sure all charging amount was accurate at each temperature

核心优势2 Advantage 2 :

全天候全量程精准，无需每天校准，帮助用户节约成本。

Automatic refrigerant temperature compensation to require no charging accuracy calibration

核心优势3 Advantage 3 :

充注速度快(100-200g/s)，用于流水线的快速冷媒充注。

Advantage 3: 100-200g/s fast charging rate for large production capacity

核心优势4 Advantage 4 :

可靠性高、易维护、可选配双备份，满足客户不停线要求。

System integrated in double core components for backup with high durability



让工作更轻松

系列参数Specification:

型号 Model	CM8600 (S、T系列)	
序列号 Serial No.	S系列 (单枪) S Series (Single System)	T系列 (双枪) T Series (Dual System)
加注速度 Charging Speed	≥40—200g/s	
单次加注量 Charging Capacity	10-9999g	
加注精度 Charging Accuracy	<100g以内, ±0.5-2g, 100g—2000g, ≤±0.5%, >2000g, ≤±0.3%	
计量方式 Charging Technology	RRT美国红宝石流量计。(可选RHEONIK质量流量计) RRT turbine flowmeter (RHEONIK mass flowmeter is optional)	
分辨率 Resolution	0.1g	
认证 Certification	CE	
真空速率 Vacuum Pump	4 L/S	8 L/S
本机真空度 Vacuum Degree	3-5pa	
加注枪长度 Charging hose length	3m - 20m	
压缩空气 Compressed Air	0.5-0.7Mpa	
PLC	西门子 Siemens	
电源 Power Supply	380V 50Hz 3Ph/220V 50HZ 1Ph	
适用冷媒 Approved Refrigerants	R134a、R22、R513A、R404A、R410A、R406A.etc	
适用于 Application	冰箱、饮水机、咖啡机、展示柜、啤酒机、冷柜、酒柜、热泵及其他小型制冷机组 Air Condition、Water Cooler、Beer Machine、Freezers、refrigerators、chillers、heat pumps	
选配 Option Function	可选配冷媒回收系统 Refrigerant Residual Gas Recovery	

*特殊型号冷媒可定制!

CM8600 (ExS、ExT系列) 易燃冷媒加注机

CM8600(ExS、ExT) Refrigerant Charging Machine For Flammable Refrigerant

CM8600 (ExS、ExT) 系列易燃冷媒加注机集抽真空、泄漏检测、冷媒全自动加注于一体，可充注R600a、R290、R32、R1234ze、R1234YF等易燃冷媒，适用于冰箱、饮水机、热管、冷柜、热泵等各类制冷机组的易燃冷媒加注。
设备具备CE、ATEX认证，已出口西班牙、美国、法国、瑞士、墨西哥、突尼斯等全球35个国家和地区。

CM8600(ExS、ExT) series refrigerant charging machine was specially designed for work with flammable refrigerant, like R600a、R290、R32、R1234ze、R1234YF ...etc and to be used in any kind of assembly lines of cooling system (refrigerators, water cooler, heat pump, air conditioners etc...) to perform evacuation, leakage test and refrigerant charging. This system utilizes explosion proof design, isolated electrical control system with explosion proof vacuum pump for safety operation process

核心优势1 Advantage 1 :

智能函数线性算法，可以确保每一个加注量的点都是精准的。

Smart linear algebra algorithm to make sure all charging amount was accurate at each temperature

核心优势2 Advantage 2 :

全天候全量程精准，无需每天校准，帮助用户节约成本。

Automatic refrigerant temperature compensation to require no charging accuracy calibration

核心优势3 Advantage 3 :

充注速度快(100-200g/s)，用于流水线的快速冷媒充注。

Advantage 3: 100-200g/s fast charging rate for large production capacity

核心优势4 Advantage 4 :

可靠性高、易维护、可选配双备份，满足客户不停线要求。

System integrated in double core components for backup with high durability



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系列参数Specification:

型号 Model	CM8600 (ExS、ExT系列)	
序列号 Serial No.	ExS系列 (单枪) ExS Series (Single System)	ExT系列 (双枪) ExT Series (Dual System)
加注速度 Charging Speed	≥40-100g/s	
单次加注量 Charging Capacity	10-99999g	
加注精度 Charging Accuracy	<100g以内, ±0.5, 100g—2000g, ≤±0.5%, >2000g, ≤±0.3%	
计量方式 Charging Technology	RRT美国红宝石流量计 (可选RHEONIK质量流量计) RRT turbine flowmeter (RHEONIK mass flowmeter is optional)	
分辨率 Resolution	0.1g	
认证 Certification	CE、ATEX	
真空速率 Vacuum Pump	4L/S or 8L/S	
本机真空度 Vacuum Degree	3-5 pa	
加注枪长度 Charging hose length	3m - 20m	
压缩空气 Compressed Air	0.5-0.7Mpa	
PLC	西门子 Siemens	
电源 Power Supply	380V 50Hz 3Ph/220V 50HZ 1Ph	
适用冷媒 Approved Refrigerants	R600a、R290、R32、R1234ze、R1234yf、R134a	
适用于 Application	冰箱、饮水机、咖啡机、展示柜、啤酒机、冷柜、酒柜、热泵及其他小型制冷机组 Air Condition、Water Cooler、Beer Machine、Freezers、Refrigerators、chillers、heat pumps	

*特殊型号冷媒可定制!