

螺杆压缩机的极致水平

Summit of screw air compressor technology

高端螺杆压缩机制造企业

Manufacturing enterprise of high-end screw air compressor



辛麦恩 Km. ssor

水润滑无油螺杆压缩机

Water-lubricated Oil-free Screw Air Compressor



辛麦恩压缩机
CMN COMPRESSOR



辛麦恩 Km. ssor

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水润滑无油螺杆压缩机行业应用范围 Scope of Water-lubricated Oil-free Screw Air Compressor



制药行业
Pharmaceutical Industry



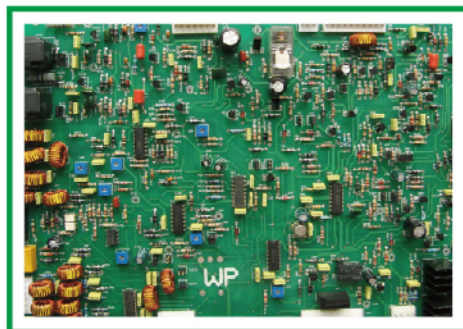
食品行业
Food Production Plant



纺织行业
Textile Industry



发酵行业
Fermentation Industry



电子半导体
Electronic Semiconductor



光伏
Photovoltaic Industry



吹瓶行业
Electronic Semiconductor



粉状物体运输
Transport of Powder



医院
Hospital



喷涂
Spraying



石油化工行业
Petrochemical Industry



空分行业
Air Separation

为了更健康安全地使用食品、药品，为了更高地提升产品质量，为了保护我们美丽的环境，未来所有行业更应使用水润滑无油螺杆压缩机。
For the healthier food and medicine, for the better quality of products, for the protection of environment, water-lubricated oil-free screw air compressors should be used widely in various industries.

辛麦恩压缩机企业简介

辛麦恩压缩机引进法国辛麦恩的高端螺杆压缩机的制造技术在国内进行消化、吸收，是国内首家将水用于压缩机内部进行冷却、润滑的高端螺杆压缩机制造企业，并在全球范围内率先推出二级压缩高压微油螺杆压缩机，压力达到4.0MPa；继而又研发了全球首创的4.0MPa压力无油螺杆压缩机、全球首创的1.25MPa压力无油涡旋压缩机。辛麦恩的研发团队不断挑战和突破空气压缩机的最高技术，不断地创造国际最先进的压缩机产品。在此先进的技术和精密制造基础上，我公司生产的喷油螺杆空压机的容积效率比高，抗高温，耐用，节能效果特别明显。

公司技术力量雄厚，生产及检测设备先进齐全，严格执行ISO9001质量管理体系，产品已获欧盟CE认证，无油机系列均通过德国权威机构TÜV Class 0检测。现有专业研发团队，不断地进行压缩机节能技术的开发研究工作，已经取得多项国际国内发明、实用新型专利。公司秉承“严管理、求进取、善创新、守信用、重服务”的企业精神，坚持走高、新、专的发展道路，坚持以人为本的思想，贯彻“没有最好，只有更好”的研发制造理念，追求“产品零缺陷、服务零距离”的境界，通过科学管理、技术创新和品牌服务，不断提升企业综合运营能力及市场竞争能力，全力打造“辛麦恩”强势品牌，竭诚为中国压缩机行业的振兴发展贡献自己的力量。

Introduce of CMN Air Compressor Company

CMN air compressor introduced high technology of screw air compressor of France B. Zimmern and became as the first company of screw air compressor in China to use water as cooling and lubricating medium in the air end. After developing of two-stage compression 4.0MPa micro oil screw air compressor, we continue developing the global initiative 4.0MPa oil-free screw air compressor and 1.25MPa oil-free scroll air compressor. CMN R & D team challenge and breakthrough of high technology of air compressor, and create the most advanced compressor in the world. Under the basic of advancing technology and precision machining, the micro oil screw air compressor of our company with the advantage of high efficiency, high temperature resistance, long service and energy saving.

Our company with strong technical, advancing manufacture and testing equipment, execute strictly of SO9001 quality management system. And our products get CE certificate, Oil-free series air compressor get Germany TÜV Class 0 testing. Present R & D team continue working for the air compressor for energy saving and passed a lot of domestic and the worldwide patents.

CMN is obedience to strict management, progressing, innovating, honesty, good service as the spirit of company, Taking humanism and there is not the best, but the better as manufacture and developing idea, living with no failure of products, zero distance of service. By the scientific management, creating technology and branding service to promote the operational capacity of company and marketing competitive.



企业荣誉 Enterprise Honors

1. 国家级高新技术企业
National High-tech Enterprise
2. 省级高新技术企业研究开发中心
Provincial Research and Development Center for high-tech enterprises
3. 浙江省科技型企业
Technological enterprise in Zhejiang Province
4. 市级专利示范企业
Municipal patent demonstration enterprise
5. JB/T 11882-2014 《一般用喷水单螺杆空气压缩机》国家标准制定单位
JB/T 11882-2014 National Standard Drawing Company of Water-injected Single Screw Air Compressor
6. JB/T12565-2015 《中压单螺杆空气压缩机》国家标准制定单位
JB/T12565-2015 National Standard Drawing Company of Medium Pressure of Single Screw Air Compressor
7. 水润滑无油螺杆式压缩机浙江省首台套制造商
The First Manufacturer of Oil-free Screw Air Compressor of Water-lubrication in Zhejiang Province
8. 市级科技进步奖企业
Municipal Science & Technology Progress Award Enterprise
9. 市级科技型重点培育单位
Municipal Science & Technology Key Enterprise
10. 获得欧洲、美国、日本等国际发明专利证书
Obtained European, American, Japanese and other international invention patent certificates



辛麦恩-采用水润滑技术缔造无油螺杆压缩机

CMN-Water-lubricated Technology to Produce Oil-free Screw Air Compressor

真正的无油螺杆压缩机

The real oil-free screw air compressor

- 主机没有一点润滑油——绝对无油的保障。

Not any lubricate grease in the air end, absolutely guarantee oil free.

- 无需主机夹套冷却油。

No air-end jacket cooling oil.

- 采用纯水清洗压缩空气中的酸性及碱性物质，使压缩空气更加洁净。

The purified water clean away acidic and basic substances of air, and make sure more purity of compressed air.

终身稳定可靠的无油螺杆压缩机

Stable & reliable oil-free screw air compressor

- 压缩机及气体接触的所有管路全部采用304、316不锈钢材质或特殊耐腐蚀材质制造。

The air end and all the pipes are made of 304 or 316 stainless steel or some other special corrosion resistant material.

- 0.15~1.6MPa压力范围内，一级压缩轻松实现，减少了大量运动部件，使结构更加简单可靠。

0.15 to 1.6MPa can be carried out by single compress, it reduces a lot parts and make the construction more simple and reliable.

- 采用电机与主机等速直联技术，使主机最高转速不超过2980rpm/min，轴承及转子使用寿命更长。

By direct connecting technology of motor power and air end, the rotate speed of air end is less than 2980rpm/min, so the life of bearing and rotor become much longer.

更加节能的无油螺杆压缩机

Energy-saving oil-free screw air compressor

- 采用直接喷水冷却转子及腔体，使压缩腔的内部温度低于40℃，等温压缩效率更高。

Direct water-injecting to cool rotor and compression chamber, to make sure the inner temperature of chamber less than 40℃. Isothermal compression makes higher efficient.

- 采用直接喷水密封转子间隙，无需转子涂层，杜绝转子涂层剥落问题，使之长期保持高效压缩。

Direct water-injecting to seal the clearance of rotor, so there is not any necessary for coating of rotor. It basically eliminates the problem of coating loss and makes sure long-time and high-efficient compression.

- 采用双压缩腔技术，一个转子两个压缩腔，超越两级压缩，无需中间冷却减少功耗损失，使之更加高效。

One rotor but two chambers, it surpasses two-stage compression. No requirement of intermediate cooling to reduce the loss of power and make it much more efficient.

更低维护成本的无油螺杆压缩机

Lowest cost maintenance of oil-free screw air compressor

- 日常维护只需更换空气滤芯和水过滤器。

Daily maintenance is only [replacement of] air filters and water filers.

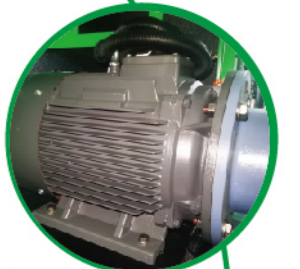
可用于呼吸的纯净空气
Purified air used for breathing



专利进气静音设计
patented air inlet silent design



智能显示器
Intelligent display



优质高效电机
High Quality and High Efficiency Motor



日本SMC控制元件
Japan SMC control element



专利进气阀
Patented air inlet valve



进口不锈钢水冷却器
Stainless water cooler



冷却水进、出口
cooling water inlet/outlet



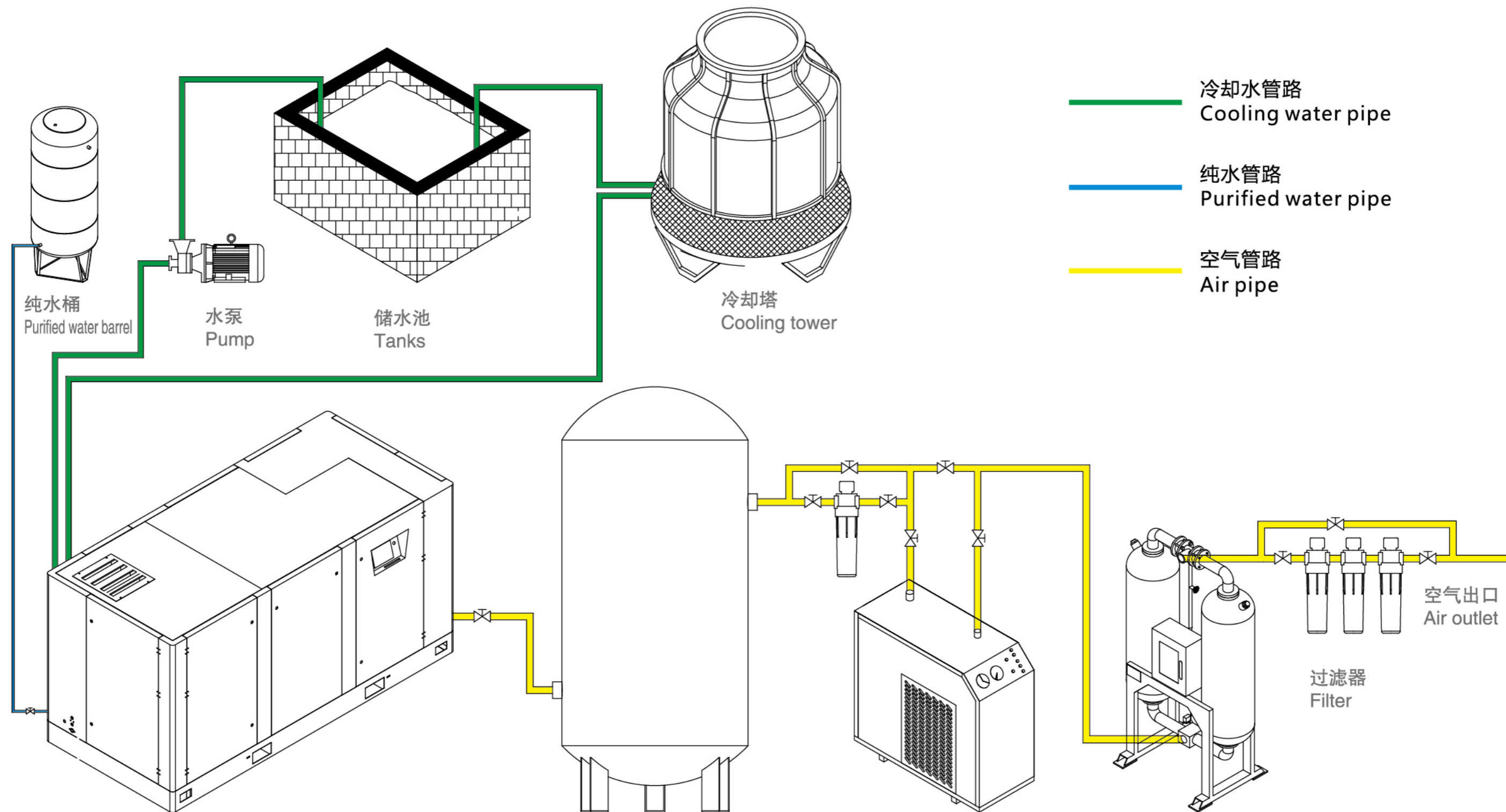
辛麦恩磁力泵
CMN magnetic pump



水气分离器与水过滤器
water/gas separator and water filter



不锈钢液位器
stainless steel liquid level



纯净水桶
Purified water barrel

水泵
Pump

储水池
Tanks

冷却塔
Cooling tower

冷却水管路
Cooling water pipe

纯水管路
Purified water pipe

空气管路
Air pipe

空气出口
Air outlet

过滤器
Filter

水润滑无油螺杆压缩机
Water-lubricated Oil-free Screw Air Compressor

储气罐
Air storage tank

冷冻式干燥机
Refrigerated dryer

吸附式干燥机
Absorption dryer



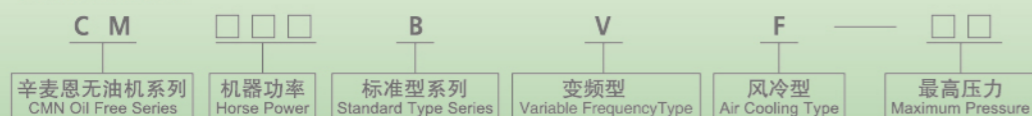
CM/B系列水润滑无油螺杆空气压缩机技术参数

Technical parameters of oil-free screw air compressor of water-lubrication of CM/B series

型号 Model	最大工作压力 Maximum work pressure		流量 FAD		电机功率 Motor power		噪音 Noise	重量 Weight	冷却水进 出口管径 Pipe diameters of cooling water inlet and outlet	冷却水量 Quantity of cooling water 进水32° Water entering32° T / h	外形尺寸 Dimension L×W×H mm	空气出口 Air outlet	
	MPa	Psi	M³/min	cfm	kW	HP							Kg
CM08BF	0.8	116	1.15	41	7.5	10	58	630	DN25	2	1550×775×1445	1"	
	1	145	1.02	36							1350×774×1150		
CM11BF	0.8	116	1.55	55	11	15	58	650	DN25	2.5	1550×775×1445	1"	
	1	145	1.32	47							1350×774×1150		
CM15BF	0.8	116	2.40	85	15	20	63	900	DN25	3.5	1900×1000×1635	1"	
	1	145	2.12	75							1680×1000×1335		
CM18BF	0.8	116	3.10	109	18.5	25	65	970	DN25	4	1900×1000×1635	1"	
	1	145	2.62	93							1680×1000×1335		
CM22BF	0.8	116	3.50	124	22	30	65	1000	DN25	5	1900×1000×1635	1"	
	1	145	3.13	111							1680×1000×1335		
CM30BF	0.8	116	5.00	177	30	40	66	1150	DN40	7	1950×1050×1780	1 1/2"	
	1	145	4.20	148							1900×1050×1430		
CM37BF	0.8	116	6.10	215	37	50	67	1170	DN40	9	1950×1050×1780	1 1/2"	
	1	145	5.22	184							1900×1050×1430		
CM45BF	0.8	116	7.80	275	45	60	68	1930	DN40	10	3040×1280×1800	2"	
	1	145	6.13	216							2200×1350×1530		
CM55BF	0.8	116	9.60	339	55	75	70	2050	DN40	12	3040×1280×1800	2"	
	1	145	8.60	304							2200×1350×1530		
CM75BF	0.8	116	12.90	455	75	100	73	2450	DN40	18	3040×1280×1800	2"	
	1	145	11.42	403							2200×1350×1530		
CM90B	0.8	116	16.30	576	90	125	73	2160	DN40	20	2500×1400×1580	2 1/2"	
	1	145	14.52	513							2500×1400×1580		
CM110B	0.8	116	19.40	685	110	150	78	2270	DN40	24	2500×1400×1580	2 1/2"	
	1	145	16.90	597							2500×1400×1580		
CM132B	0.8	116	22.21	784	132	180	78	2350	DN50	30	2500×1400×1580	2 1/2"	
	1	145	20.38	720							2500×1400×1580		
CM160B	0.8	116	28.85	1019	160	220	78	3720	DN80	35	3100×1700×2090	DN100	
	1	145	24.52	866							3100×1700×2090		
CM200B	0.8	116	36.63	1293	200	270	78	3750	DN80	43	3100×1700×2090	DN100	
	1	145	32.70	1155							3100×1700×2090		
CM250B	0.8	116	42.88	1514	250	340	78	3900	DN80	53	3100×1700×2090	DN100	
	1	145	39.00	1377							3100×1700×2090		
CM320B	0.8	116	59.10	2087	320	430	80	4850	DN100	60	3600×2800×2000	DN125	
	1	145	53.50	1889							3600×2800×2000		
	0.8	116	48.25	1704									
	1	145	48.25	1704									

*表格内橙色为风冷型机组数据, 没有F为水冷型机组型号
Orange in the table indicates air cooling unit (F), the water cooling unit has no F.

型号表示方法:



CM/PV系列永磁变频水润滑无油螺杆空气压缩机技术参数

Technical parameters of permanent magnet variable frequency oil-free screw air compressor of water lubrication of CM/PV series

型号 Model	最大工作压力 Maximum work pressure		流量 FAD		电机功率 Motor power		噪音 Noise	重量 Weight	冷却水进 出口管径 Pipe diameters of cooling water inlet and outlet	冷却水量 Quantity of cooling water 进水32° Water entering32° T / h	外形尺寸 Dimension L×W×H mm	空气出口 Air outlet		
	MPa	Psi	M³ / min	cfm	kW	kW							dB(A)	Kg
CM08PVF	0.8	116	0.45~1.15	16~41	7.5	10	58	630	DN25	2	1550×775×1445	1"		
	1	145	0.41~1.02	14~36							1350×774×1150			
CM11PVF	0.8	116	0.62~1.55	22~55	11	15	58	650	DN25	2.5	1550×775×1445	1"		
	1	145	0.53~1.32	19~47							1350×774×1150			
CM15VBF	0.8	116	0.96~2.40	34~85	15	20	63	900	DN25	3.5	1900×1000×1635	1"		
	1	145	0.85~2.12	30~75							1680×1000×1335			
CM18PVF	0.8	116	1.24~3.10	44~109	18.5	25	65	970	DN25	4	1900×1000×1635	1"		
	1	145	1.05~2.62	37~93							1680×1000×1335			
CM22PVF	0.8	116	1.40~3.50	49~124	22	30	65	1000	DN25	5	1900×1000×1635	1"		
	1	145	1.25~3.13	44~111							1680×1000×1335			
CM30PVF	0.8	116	2.00~5.00	71~177	30	40	66	1150	DN40	7	1950×1050×1780	1 1/2"		
	1	145	1.68~4.20	59~148							1900×1050×1430			
CM37PVF	0.8	116	2.44~6.10	86~215	37	50	67	1170	DN40	9	1950×1050×1430	1 1/2"		
	1	145	2.09~5.22	74~184							1900×1050×1430			
CM45PVF	0.8	116	3.12~7.80	110~275	45	60	68	1930	DN40	10	3040×1280×1800	2"		
	1	145	2.45~6.13	87~216							1880×1260×1430			
CM55PVF	0.8	116	3.84~9.60	136~339	55	75	70	2050	DN40	12	3040×1280×1800	2"		
	1	145	3.44~8.60	121~304							1880×1260×1430			
CM75PVF	0.8	116	5.16~12.90	182~456	75	100	73	2450	DN40	18	3040×1280×1800	2"		
	1	145	4.57~11.42	161~403							1880×1260×1430			
CM90PV	0.8	116	6.52~16.30	230~576	90	125	73	2160	DN40	20	2500×1400×1580	2 1/2"		
	1	145	5.81~14.52	205~513							2500×1400×1580			
CM110PV	0.8	116	7.76~19.40	274~685	110	150	78	2270	DN40	24	2500×1400×1580	2 1/2"		
	1	145	6.76~16.90	239~597							2500×1400×1580			
CM132PV	0.8	116	8.88~22.21	314~784	132	180	78	2350	DN50	30	2500×1400×1580	2 1/2"		
	1	145	8.15~20.38	288~720							2500×1400×1580			
CM160PV	0.8	116	11.54~28.85	407~1019	160	220	78	3720	DN80	35	3100×1700×2090	DN100		
	1	145	9.81~24.52	346~866							3100×1700×2090			
CM200PV	0.8	116	14.65~36.63	517~1293	200	270	78	3750	DN80	43	3100×1700×2090	DN100		
	1	145	13.10~32.70	463~1155							3100×1700×2090			
CM250PV	0.8	116	17.15~42.88	606~1514	250	340	78	3900	DN80	53	3100×1700×2090	DN100		
	1	145	15.60~39.00	551~1377							3100×1700×2090			
CM320PV	0.8	116	23.64~59.10	835~2087	320	430	80	4850	DN100	60	3600×2800×2000	DN125		
	1	145	21.40~53.50	756~1889							3600×2800×2000			
	0.8	116	19.30~48.25	681~1704										
	1	145	19.30~48.25	681~1704										

*表格内橙色为风冷型机组数据, 没有F为水冷型机组型号
Orange in the table indicates air cooling unit (F), the water cooling unit has no F.

永磁变频系列 表示方法为: “PV” 如: CM75PV 表示为75kW水冷型永磁变频水润滑无油螺杆压缩机
Permanent magnet variable frequency series: “PV” for example: CM75PV indicates 75kW water-cooled permanent magnet variable frequency water lubricated oil free screw compressor.

低压无油水润滑螺杆压缩机系列

Low pressure water-lubricated oil-free screw air compressor CM/D series



掌握螺杆压缩机核心生产技术的辛麦恩团队可以根据用户的要求设计生产出压缩比1.2至4的各类低压螺杆压缩机主机，从而设计出最节能的供气压力0.12~0.4Mpa的各类低压缩机，比采用常规主机生产的低压螺杆压缩机节能30%以上，可以减少巨大的能源消耗。

CMN team has mastered the core production technology of screw air compressor and we can design and produce kinds of low pressure compression ratio 1.2-4 air end for screw air compressors according to the requirement of the customers. The various CMN low pressure (0.12~0.4Mpa) compressors can be more than 30% energy-saving compared with general screw air compressors.

辛麦恩低压系列压缩机已广泛应用于医药发酵、化纤纺织、玻璃器皿、粉体输送等。

CMN low pressure series compressor has widely applied to medicine ferment, chemical fiber textiles, glass-ware, powdery transmission and etc.



医药、化工行业的许多工艺（如发酵、过滤、输送等）都需要低压缩机。

Some processes in medicine and chemical industry such as ferment, pressure filtration, transmission and etc. need low pressure compressed air.



各类玻璃瓶依靠低压缩机吹制成型，即节约了能源，又能吹出完美的形状。

All kinds of glass bottle is shaped by the low pressure air compressor. It saves energy resources and blows perfect shape.



化纤纺织的加弹机，网络机需要低压缩机。

Texturing machine and network machine used for chemical fiber textiles need low pressure compressed air.



粉状物体的输送（如面粉、咖啡、药品、水泥）用到大量低压缩机。

Carrying of powdery substances (such as flour, coffee, pharmaceuticals, cement) needs a large amount of low-pressure compressed air.

CM/D系列低压水润滑无油螺杆空气压缩机技术参数

Technical parameters of low pressure oil-free screw air compressor of water lubrication of CM/D series

工频系列 Fixed speed series

型号 Model	工作压力 Work pressure		流量 FAD		供气温度 Air supply temperature ℃	电机功率 Motor power		噪音 Noise dB(A)	重量 Weight kg	冷却水进出口管径 Pipe diameters of cooling water inlet and outlet	冷却水量 Quantity of cooling water Water entering 32° T/h	外形尺寸 Dimension	空气出口 Air outlet
	MPa	Psi	m ³ /min	cfm		L x W x H							
						mm							
CM45D	0.12~0.25	17~36	13.80	487	≤45	45	60	70	1680	DN40	12	2200x1350x1530	DN65
CM55D	0.25~0.40	36~58	13.60	480		55	75				1700		
CM75D	0.25~0.40	36~58	20.10	710		75	100	72	2250	DN40	20	2200x1350x1530	DN65
CM110D	0.25~0.40	36~58	30.10	1063		110	150		3730		24		
CM132D	0.12~0.25	17~36	43.00	1518		132	180	78	3770	DN80	30	3100x1700x2090	DN125
CM160D	0.25~0.40	36~58	42.88	1514		160	220		3830		35		

变频系列 Vsd series

型号 Model	工作压力 Work pressure		流量 FAD		供气温度 Air supply temperature ℃	电机功率 Motor power		噪音 Noise dB(A)	重量 Weight kg	冷却水进出口管径 Pipe diameters of cooling water inlet and outlet	冷却水量 Quantity of cooling water Water entering 32° T/h	外形尺寸 Dimension	空气出口 Air outlet
	MPa	Psi	m ³ /min	cfm		L x W x H							
						mm							
CM45DV	0.12~0.25	17~36	5.50~13.80	194~487	≤45	45	60	70	1720	DN40	12	2200x1350x1530	DN65
CM55DV	0.25~0.40	36~58	5.40~13.60	191~480		55	75				1750		
CM75DV	0.25~0.40	36~58	8.04~20.10	284~710		75	100	72	2300	DN40	20	2200x1350x1530	DN65
CM110DV	0.25~0.40	36~58	12.00~30.10	424~1063		110	150		3790		24		
CM132DV	0.12~0.25	17~36	17.20~43.00	607~1518		132	180	78	3850	DN80	30	3100x1700x2090	DN125
CM160DV	0.25~0.40	36~58	17.10~42.88	604~1514		160	220		3900		35		

其他压力和特殊要求，请咨询400 119 7888

Other special requirement for different range of pressure, please contact 400 119 7888

辛麦恩无油系列汽油气压缩机、氮气压缩机、沼气压缩机、煤层气压缩机、瓦斯压缩机、氩气压缩机

CMN oil free series covering gasoline gas compressor, nitrogen compressor, marsh gas compressor, carbon dioxide compressor, coal bed gas compressor, argon compressor.



CMT系列特种、工艺气体水润滑无油螺杆压缩机

Special requirement and process gas water-lubrication oil-free screw air compressor of CMT series

在国民经济的各个领域，存在各种对易燃易爆、腐蚀、有毒有害等气体的压缩，掌握水润滑无油螺杆压缩机技术的辛麦恩团队将水润滑无油螺杆压缩机的应用于易燃易爆、腐蚀气体的压缩，利用水润滑的低温特性，压缩易燃易爆气体绝对安全，利用不锈钢主机的耐腐蚀性可以压缩腐蚀性气体。辛麦恩已成功开发汽油气压缩机、沼气压缩机、二氧化碳压缩机、煤层气、瓦斯压缩机、氮气压缩机等特殊气体压缩机。

In all fields of national economy, there need to compress inflammable, explosive, corrosive, poisonous and harmful gas. CMN water-lubrication oil free technology has been widely applied to the compression of Inflammable and explosive gas, which is much more safer with its low temperature water-lubrication system. And the stainless steel air end is corrosive resistance. CMN has successfully developed special gas process compressor such as gasoline gas compressor, marsh gas compressor, carbon dioxide compressor, coal bed gas compressor and etc.



关于辛麦恩水润滑螺杆技术，您是否有以下疑问？

About the technology of CMN water-lubricated screw, do you have following questions?

1. 水会对空气压缩机的系统产生锈蚀吗？

Q1: Does water rust the air compressor system?

CM系列水润滑螺杆压缩机使用合乎饮用标准的纯净水，采用的零件材料是国际标准牌号304、316不锈钢及特殊耐腐蚀的材料，所以不会产生系统锈蚀情况。

CM series water-lubricated screw air compressor uses purified water with the standard of drinking. The air end and all the pipes are made of 304 or 306 stainless steel or some other special corrosion resistant material, so the rusting problem will not be happened.

2. 水会影响寿命吗？

Q2: Does the water affect the using life of screw air compressor?

CM系列喷水螺杆压缩机主机，采用无轴封专利设计，寿命无限长，永不更换，永不变形，解决了一般轴封定期更换的麻烦。并且使用重载轴承，寿命更高，区别于早期易碎及易腐蚀的纳米碳化硅和陶瓷材料轴承。

The air end of CM series water-lubricated screw air compressor is under the patent design of no shaft sealing, so there are no needs of changing the shaft sealing, and no distortion. By using the heavy duty bearing to make longer using life, and this kind bearing is different from the former fragile and perishable nano-carbide and ceramic bearing.

3. 水会积垢吗？

Q3: Does water scale up?

CM系列喷水螺杆压缩机系统，采用合乎饮用标准的纯净水，水一直在系统里循环流动；并且每隔200小时，系统会自动进行换水，确保水里的钙质含量不提高，并且压缩主机运行温度不高于50℃，不存在积垢的风险。

CM series water-injected air compressor system using drinking standard purified water, the water circulates through the system, and the system will change the water every 200 hours automatically to make sure low calcium content in the water. What's more, the working temperature of the air end is not over 50℃, so there is no risk of scale.

4. 水润滑无油螺杆压缩机压缩的空气含水量高吗？

Q4: Is the compressed air with high moisture content by the water-lubricated oil-free screw air compressor?

空气压缩后其含水量都达到了饱和状态，压缩空气的含水量只与温度和压力有关，与其他没有关系，水润滑无油螺杆压缩机产生的压缩空气温度不高于50℃，其含水量在50℃的饱和状态。相比其他型式的压缩机，一般排气温度远高于50℃，水润滑无油螺杆压缩机的压缩空气含水量远低于其他型式压缩机组。

The water content of the compressed air is under saturated state. And the water content of compressed air only has relationship with temperature and pressure; it is not affected by others. The temperature of compressed air by water-lubricated oil-free screw air compressor is no more than 50℃, so the water content is under 50℃ saturated state. Comparing with other type air compressor, the temperature of discharge air is higher than 50℃, so the water content is also higher.

5. 水润滑无油螺杆压缩机转子为何可以不用涂层？

Q5: Why no coating for screw rotor of water-lubricated oil-free screw air compressor?

CM水润滑无油螺杆压缩机主机转子间隙采用喷水密封技术，转子材料采用特殊的耐腐蚀材料制造。转子工作温度不高于50℃，无需考虑高温转子变形、转子泄漏、转子腐蚀等问题。

The clearance of screw rotor of water-lubricated oil-free screw air compressor of CM series is sealed by the water injection. The screw rotor is made of special anti-corrosion material. The working temperature of rotor is no more than 50℃, so there is not any worry about the deformation, leakage, corrosion of the screw rotor.

6. 水润滑无油螺杆压缩机的效率会下降吗？

Q6: Is the efficiency of water-lubricated oil-free screw air compressor decreased?

CM水润滑无油螺杆压缩机继承了法国工程师B.Zimmern的技术，是唯一真正掌握喷水螺杆压缩机制造真谛的企业，设计寿命超二十年，使用寿命十五年以上，效率下降不会超过5%。

CM series water-lubricated oil-free screw air compressor has inherited the technology of the French engineer B.Zimmern, to become the only one mastering this technology. The design life of screw air compressor is 20 years, and the using life is more than 15 years, besides, the efficiency will be decreased less than 5%.

7. 同为水润滑无油螺杆压缩机为何辛麦恩更加节能及长寿？

Q7: Why the life and efficiency of CMN water-lubricated oil-free screw air compressor is much better than other water-injected screw air compressor?

CM水润滑无油螺杆压缩机通过十多年的实际开发经验、技术沉淀，已掌握核心的型线啮合技术、稳定的压缩主机材料应用技术及可靠的加工工艺技术。

CM series water-lubricated oil-free screw air compressor through ten years of development, technology of precipitation, has mastered the core technique of type lien meshing, stable material of air end and reliable manufacture process technology.

8. 同为水润滑无油螺杆压缩机为何辛麦恩更加稳定及可靠？

Q8: Why CMN water-lubricated oil-free screw air compressor is much stable and reliable than others?

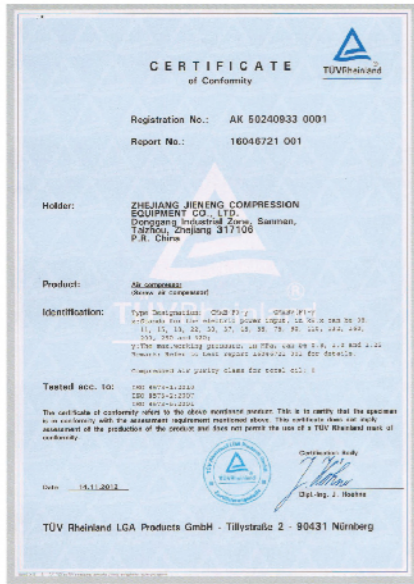
CM水润滑无油螺杆压缩机通过十多年的实际应用经验，拥有最成熟稳定的硬件和更加可靠的软件控制系统。

CM series water-lubricated oil-free screw air compressor through ten years' experience in practical application, gains the most stable hardware and the most reliable software control system.

辛麦恩压缩机相关认证文件
Certifications of CMN Air Compressor

领先科技 撼动全球

Leading technology, Impact the global



CM全系列通过德国TUV class 0 无油认证
TUV class 0 Oil-free Certificate



CE认证
CE Certificate



1400环境认证
ISO14000 Certificate



美国发明专利
American Invention Patent



日本发明专利
Japanese Invention Patent



欧洲发明专利
European Invention Patent



德国发明专利
Germany Invention Patent



TS 16949认证
TS 16949 Certificate



ISO9001认证
ISO9001 Certificate



中国发明专利
Chinese Invention Patent

