汉粤净化全国服务网络
HANFILTER National Service Network

汉粤净化在全国28个城市设有网点，确保全方位为客户服务。
We have found 28 service offices in china for customers service.

服务客户、让客户满意是“汉粤净化”的永恒追求。
To serve customers honestly and wholeheartedly is HANFILTER’s motto.

汉粤净化科技有限公司
HANFILTER EQUIPMENT CO.,LTD.
http://www.hanfilter.com

汉粤净化微信

如参数有所改动，恕不另行通知！有关产品详情，请与代理商联系。

投诉电话：020-8466 8803

2026年版

中美技术合作之精品
Quality products from Sino-US Cooperation

汉粤净化®
HANFILTER

环保 节能 高效 领先
Environment Energy Efficiency State-of-Art

汉粤净化科技有限公司
HANFILTER EQUIPMENT CO.,LTD.

汉粤净化® HANFILTER

公司简介
Company Brief Introduction

“汉粤净化”（HANFILTER)成立于1993年,是一家专业研发、生产和销售压缩空气净化设备的高新技术企业。自成立起，汉粤净化就与压缩空气净化行业的国际领先企业美国HANKISON（汉克森）合作，在充分吸收消化国外先进技术的基础上，结合国内用户的实际工况，汉粤净化研制开发出性能更稳定、更适应客户需求的“汉粤”品牌(HANFILTER)压缩空气净化设备全系列产品，是中美技术合作之精品。

汉粤净化拥有长三角浙江平湖和广州番禺两个大型生产基地，总生产面积达42000平方米，其中浙江平湖工厂建于2021年，位于上海和杭州的中心地带，地理位置得天独厚。

汉粤净化通过了质量体系ISO9001、产品质量安全GCCA等各类认证，产品严格遵守各种国家与国际标准，技术先进，目前已获二十几项国家技术专利。

汉粤净化建立了技术先进、设施完备的产品研发及试验、检测机构，拥有高业务水准的科技队伍，确保产品紧跟国际压缩空气后处理先进技术的发展趋势，汉粤净化拥有先进的机加工设备和优秀的生产队伍，产品始终无畏考验，品质如一。

目前，汉粤产品种类已达九大类，1000多种型号。包括：冷冻式干燥机、吸附式干燥机、精密过滤器、精密过滤器滤芯、废油收集器、高效除油器、油水分离器、自洁式空气过滤器、后部冷却器等。产品被应用于新能源汽车、新材料、光伏、半导体、石化、化纤、钢铁冶金、机械制造、电力、电子、造船、水泥、造纸、医药、食品等行业，满足各行业客户对压缩空气气源净化的各种需求。

汉粤净化以浙江公司为总部，与广州公司形成双核驱动的发展格局，并在全国范围内布局了二十八个直属销售服务机构，向全国广大客户提供优质的售前、售中和售后服务。

研发、制造、销售让客户满意的压缩空气净化产品，全心全意为客户服务，是“汉粤净化”的永恒追求！

汉粤净化(HANFILTER)

环保,节能,高效,领先!

Founded in 1993, HANFILTER is a specializing in compressed air filtration and dehydration systems Technology company. Since establishment, we have been working with world well-know company,HANKISON INTERNATIONAL. We are focusing on R&D,production and distribution,and import& export of compressed air filters and dryers.On the basis of fully absorbing and with an in-depth understanding the best of international technologies and techniques, combined with the actual working conditions of domestic users, HANFILTER products are designed with stability and efficiency in mind,and tailored to our customer' s needs, covered a full range of compressed air purification products. So far,HANFILTER is well known brand in China and its compressed air purification equipment with a boutique of Sino-US technical cooperation.

HANFILTER has two large-scale production bases, located in Zhejiang Pinghu and Guangzhou Panyu, spans across both the Pearl River and Yangtze River Delta. The total production area is 42,000 square meters,granting us top ranking in the industry for our size and production.The new ultramodern headquarters (construction finished in 2021) is located in PingHu, ZheJiang, the middle of the Shanghai and Hangzhou area, and has easy access to the area' s vast transportation networks. There are 28 direct sales offices located across China, supplying customers nationwide and providing first-class customer service and product aftercare.

HANFILTER has obtained a variety of quality certifications, and every product undergoes rigorous inspection in accordance with domestic and international standards to ensure the best performance and quality. Such as ISO 9001 and GCCA. There is a highly systematic and organized technical development and research structure at HANFILTER, complete with our own development and testing laboratories. The expert team of production specialists are all equipped with the best and newest in technical knowledge and tools.

As of currently, HANFILTER holds more than twenty national technological patents, and the products spread across nine categories and more than 1000 types, including but not limited to refrigerated compressed air dryers, desiccant dryers, air filters and filter cartridges, waste oil collectors (patented product), high efficiency oil-water separators, self-cleaning air inlet filters and after coolers. These products are used across a variety of industries, such as electric vehicles, new material technology, photovoltaic, semiconductors, etc.

HANFILTER strives to fulfil every user' s needs for compressed air filters and related products.

To serve customers honestly and wholeheartedly is HANFILTER' s motto. Customer satisfaction is the ultimate goal at HANFILTER, and every member of our development, production and sales team strives to create the most efficient and eco-friendly compressed air filtration products for our customers.

Environmental protection, energy saving, high efficiency, leading !

企业部分资质
Enterprise part qualification

汉粤净化® HANFILTER | 企业文化 Company Culture

环保 · 节能 · 高效 · 领先
Environment Energy Efficiency State-of-Art

中美技术合作之精品
Quality products from Sino-US Cooperation

企业宗旨 Mission

全方位服务，与世界同步

Comprehensive services, global synchronization

质量方针 Quality Policy

科学管理、精益求精

注重细节、守约诚信

Scientific management Perfection Driven
Details Oriented Honesty&Integrity

核心力量 Core Capacity

汉粤人不懈的努力与国外先进技术的完美结合是我们成功的原因

Continuous efforts of the HANFILTER staff and combination of the foreign state-of-art technology guarantee our success!

汉粤人的总体目标 Our Vision

研发、制造、销售客户满意的压缩空气净化产品。

服务客户：让客户满意是“汉粤净化”的永恒追求。

To develop, create and distribute most advanced air filtering products to the world.
Quality services and customers satisfaction is the continuous pursuit of HANFILTER.

目 录 Contents

汉粤冷冻式压缩空气干燥机优点

Advantages of the HANFILTER Refrigerated Compressed Air Dryers

优点一：技术先进 Advantage1 State of art technology

本机型充分引进吸收了美国HANKISON的成熟技术，并在此基础上结合了国内的实际工况特点，采用科学有效的设计，使其更加高效稳定运行，“汉粤”牌冷干机由于技术先进，运转可靠，露点低且稳定等优点，获得多项国家技术专利，并且是《一般用压缩空气冷冻式干燥机》和《一般用压缩空气冷冻式干燥机控制器》行业标准起草和制定单位之一，成为国内该项技术领先厂家之一。

This model adopts mature technology from US HANKISON and combines with the practical operation features in China, keeping it running stable and efficient with scientific design. “HANFILTER” refrigerated dryer won several national patent with its state-of-art technology, stable running, low dew point and high stability. Moreover, HANFILTER is also one of the companies in preparation of the industry standards - “General Purpose Refrigerated Compressed Air Dryers” and “General Purpose Cotrollers for Desiccant Compressed Air Dryers ”, and thus becoming the one of the few domestic manufacturers with top technology.

优点二： 热交换为逆流方式 Advantage2 Heat exchange in a reversing way

因选用优质、高效螺纹管或光管，传热系数高，并采用了逆流回热的热交换方式比普通的顺流方式更节能和稳定。

High quality and efficient thread tubes or light tubes enjoys a preferential thermal conduction index, while the reverse flow heating in the heat exchanging will be more energy-efficient and stable than that of the typical flow type.

优点三：积液排污、排水流畅 Advantage3 Smooth sewage drain

采用自主专利技术，使冷冻式干燥机的冷凝水得到充分分离并通过性能可靠的排污阀排出机外，大大降低了冷干机在运转过程中的故障并提高气源的质量，使汉粤牌冷干机在不同工况下均能稳定有效地运行，因此，该项技术获得国家技术专利。

（专利号：ZL200720057808.9）

The utilization of patented technology, the condensates from the refrigerated dryer are separated in full and discharged outside the machine via reliable draining valve, significantly reducing the malfunctions during the refrigerated dryer operation, improving the quality of the gas source, allowing HANFILTER refrigerated dryer to work stably and effectively under different operational conditions. Therefore, such technology is national patent protected.

(Patent No.: ZL200720057808.9)

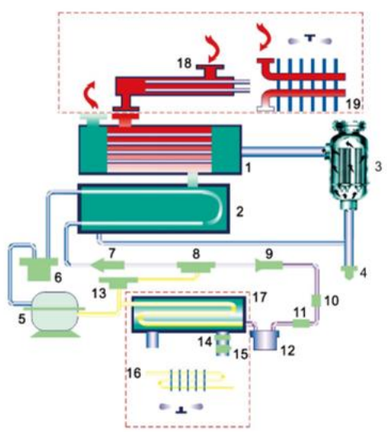
优点四：专业工况分类 Advantage4 Professional classification of the Operation conditions

为使冷冻式干燥机在不同工况下使下使其能够高效、稳定和节能运转，汉粤牌冷冻式干燥机根据客户需求和实际使用工况分为：高温风冷型、高温水冷型、常温风冷和常温水冷型。

To ensure the efficient and stable running as well as energy saving of the refrigerated dryer under different conditions, HANFILTER refrigerated dryers are classified, as per the customers’ needs and actual conditions, as: high temperature air-cooling type, high temperature water-cooling type, regular temperature air-cooling and water-cooling types.

■ 工作原理 Operation principle

- 压缩空气首先进入预冷器（18或19）进行初步冷却，再流入回热器(1)，与回流的成品气进行热交换，使压缩空气进一步降温，并将冷凝出的水排出机外。之后，压缩空气流入蒸发器(2)，与冷媒进行热交换，使压缩空气进一步降温，达到符合要求的露点温度。
- The compressed air will firstly enter the pre-cooling unit (18 or 19) for preliminary cooling, then enter the heat regenerator (1), exchanging heat with the returned finished air, which lower the temperature of the compressed air. The condensates will be discharged out of the machine. Later, the compressed air enters the evaporator (2), exchanging heat with the cooling medium to further lower the temperature of the compressed air, thus achieving the desired dew point.
- 压缩空气经过预冷器（18或19）、回热器(1)和蒸发器(2)逐步冷却后，空气中水汽凝结成液态水珠，经汽液分离器(3)的作用，分离出液态水。
- The compressed air is cooled step by step through pre-cooling unit (18 or 19), heat regenerator (1) and evaporator (2), after which, the vapor in the air will be condensed into liquid drops. The liquid water will be so separated through gas-liquid separator (3).
- 经过汽液分离器(3)的干燥冷却空气通过回热器(1)的另一流程，在离开干燥机时被升温，降低空气的相对湿度。
- The dried and cooled air, through the gas-liquid separator (3), will be passed to another process in the heat regenerator (1), heated up when leaving the dryer, so as to lower the RH in the air.



高温风冷型冷干机

High Temperature Inlet Air Cooling Refrigerated Compressed Air Dryers

■ 工况条件与技术指标

Operational conditions and technology indicators

- 进气温度：≤80℃
- Inlet temperature: ≤80℃
- 冷却方式：风冷
- Cooling method: air cooled
- 进气压力：0.6～1.0Mpa
- Inlet pressure: 0.6～1.0Mpa
- 压力损失：≤0.03Mpa
- Pressure loss: ≤0.03Mpa
- 压力露点：3～10℃
- Pressure Dew point: 3～10℃
- 制冷剂：R22
- Refrigerant: R22
- 环境温度：≤38℃
- Ambient temperature: ≤38℃

■ 型号规格与性能参数 Models and Parameters

Models 型 号 / 项 目 Items		HAD -0.7 HTF	HAD -1 HTF	HAD -2 HTF	HAD -3 HTF	HAD -6 HTF	HAD -7 HTF	HAD -10 HTF	HAD -13 HTF	HAD -15 HTF	HAD -20 HTF	HAD -25 HTF	HAD -30 HTF	HAD -40 HTF	HAD -50 HTF	HAD -60 HTF	HAD -80 HTF
空气处理量(Nm^3/min) Air processing capacity		0.7	1.2	2.4	3.8	6.5	7.5	10.7	13.5	17	23	27	33	45	55	65	85
电源(V/Hz) Power Supply		220/50							380/50								
压缩机功率(KW) Compressor Power		0.7			0.89	1.6	2.0	2.3	2.6	3.7	4.4	5.4	7.4	9	10.9	10	13.6
风扇功率(W) Fan Power		55	85	150	2x85	2x150		2x240			520+2 ×240	520+2 ×240	520+2 ×240	2×520+ 3×240	2×550+ 2×520	4×195+ 3×550	4x240+ 3x550
空气接管口径 Air Inlet/Outlet Connections		R1"				R1-1/2"		R2"		DN80	DN80	DN80	DN80	DN100	DN125	DN125	DN125
设备重量(Kg) Equipment weight		50	61	65	120	190		257	275	300	600	650	710	790	1030	1200	2450
外形尺寸 (mm) Outer dimension	长 L	640	760	760	1000	1200		1400		1450	1660	1890	1810	2240	2135	2150	2770
	宽 W	430	430	430	600	700		800		800	950	900	1050	1050	1210	1150	1315
	高 H	630	750	770	900	1100		1190		1365	1520	1580	1730	1780	2050	1966	2077

标准工况：工作压力0.7Mpa，进气温度45℃，环境温度38℃。

Standard Operation conditions: Inlet pressure0.7Mpa，Inlet temperature45℃，Ambient temperature38℃.

备注：如需其他处理量或特殊要求机型可与汉粤公司联系

If you need special air capacity or others customization dryers，ask for our company.

高温水冷型冷干机
High Temperature Inlet Water Cooling Refrigerated Compressed Air Dryers

■ 工况条件与技术指标
Operational conditions and technology indicators

- 进气温度：≤45℃
- Inlet temperature: ≤45℃
- 冷却方式：水冷
- Cooling method: water cooled
- 进气压力：0.6～1.0Mpa
- Inlet pressure: 0.6～1.0Mpa
- 冷却水进口温度：≤32℃
- Cooling water inlet temperature: ≤32℃
- 冷却水进水压力：0.2～0.4Mpa
- Cooling water inlet pressure: 0.2～0.4Mpa
- 压力损失：≤0.03Mpa
- Pressure loss: ≤0.03Mpa
- 压力露点：3～10℃
- Pressure Dew point: 3～10℃
- 制冷剂：R22
- Refrigerant: R22

■ 型号规格与性能参数 Models and Parameters

项目 Items \ Models 型号		HAD-15 HTW	HAD-20 HTW	HAD-25 HTW	HAD-30 HTW	HAD-40 HTW	HAD-50 HTW	HAD-60 HTW	HAD-80 HTW	HAD-100 HTW	HAD-120 HTW	HAD-150 HTW	HAD-180 HTW	HAD-200 HTW	HAD-300 HTW	HAD-400 HTW	HAD-500 HTW
空气处理量(Nm^3/min) Air processing capacity		17	23	27	33	45	55	65	85	100	120	150	180	200	300	400	500
电源(V/Hz) Power Supply		380/50															
压缩机功率(KW) Compressor Power		3.7	5.4	7.4	9	10.9	10	10	13.6	18.2	20.8	27.6	33.6	37.3	59.7	74.6	93.3
冷却水循环量(Nm^3/h) Cooling water cycling volume		3.0	4.4	5.9	7.4	8.9	11.1	22.2	25.5	29.5	32.5	38	43.2	48.8	72	92	110
冷却水接管口径 Cooling Water In/Out Connections		R1"	R1-1/2"	R1-1/2"	R1-1/2"	R1-1/2"	R1-1/2"	R1-1/2"	R2"	R2	R1-1/2"	R1-1/2"	R1-1/2"	DN80	DN80	DN80	DN100
空气接管口径 Air Inlet/Outlet Connections		DN80	DN80	DN80	DN80	DN100	DN125			DN150		DN200			DN250	DN300	DN400
冷凝器水管口径 Caliber of the water pipe in the condenser		R1"	R1-½"	R1-½"	R1-½"	R1-½"	R2"	R1-½"+R2"	R2-½"+R2"	R2-½"+R2"	R2 ½"	DN80	DN80	DN80	DN80	DN100	
设备重量(Kg) Equipment weight		405	550	600	660	950	995	1190	1580	2400	2520	2800	3300	3600	4100	4530	5120
外形尺寸(mm) Outer dimension	长 L	1470	1790	1710	2090	2090	2265	2675	2845	2800	3090	2950	3300	3800	3800	4345	4760
	宽 W	800	800	950	950	1000	1020	1180	1350	1500	1720	2090	1900	1930	2670	2150	2380
	高 H	1370	1370	1588	1580	1483	1636	1780	1940	2100	2180	2430	2260	2435	3130	2670	2730

标准工况：工作压力0.7Mpa，进气温度45℃，冷却水温度32℃。
Standard Operation conditions: Inlet pressure0.7Mpa，Inlet temperature45℃，Cooling Water Temperature32℃.
备注：如需其他处理量或特殊要求机型可与汉粤公司联系
If you need special air capacity or others customization dryers，ask for our company.

常温风冷型冷干机
Normal Temperature Inlet Air Cooling Refrigerated Compressed Air Dryers

■ 工况条件与技术指标
Operational conditions and technology indicators

- 进气温度：≤45℃
- Inlet temperature: ≤45℃
- 冷却方式：风冷
- Cooling method: air cooled
- 进气压力：0.6～1.0Mpa
- Inlet pressure: 0.6～1.0Mpa
- 压力损失：≤0.02Mpa
- Pressure loss: ≤0.02Mpa
- 压力露点：3～10℃
- Pressure Dew point: 3～10℃
- 制冷剂：R22
- Refrigerant: R22
- 环境温度：≤38℃
- Ambient temperature: ≤38℃

■ 型号规格与性能参数 Models and Parameters

项目 Items \ Models 型号		HAD-15NF	HAD-20NF	HAD-25NF	HAD-30NF	HAD-40NF	HAD-50NF	HAD-60NF	HAD-80NF	HAD-100NF
空气处理量(Nm^3/min) Air processing capacity		17	23	27	33	45	55	65	85	100
电源(V/Hz) Power Supply		380/50								
压缩机功率(KW) Compressor Power		3.7	4.4	5.4	7.4	9	10.9	10	13.6	18.7
风扇功率(W) Fan Power		195×2	240×2	240×2	240×2	240×3	550×3	550×3	550×3	240×8
空气接管口径 Air Inlet/Outlet Connections		DN80	DN80	DN80	DN80	DN100	DN125	DN125	DN125	DN150
设备重量(Kg) Equipment weight		350	430	500	650	745	950	1000	1500	2300
外形尺寸(mm) Outer dimension	长 L	1400	1660	1820	1810	2190	2490	2430	2370	2960
	宽 W	800	850	800	950	950	1110	1230	1340	1070
	高 H	1245	1370	1370	1588	1588	1620	1615	1700	1800

标准工况：工作压力0.7Mpa，进气温度38℃，环境温度38℃。
Standard Operation conditions: Inlet pressure0.7Mpa，Inlet temperature38℃，Ambient temperature38℃.
备注：如需其他处理量或特殊要求机型可与汉粤公司联系
If you need special air capacity or others customization dryers，ask for our company.

常温水冷型冷干机

Normal Temperature Inlet Water Cooling Refrigerated Compressed Air Dryers

■ 工况条件与技术指标
Operational conditions and technology indicators

- 进气温度：≤45℃
- Inlet temperature: ≤45℃
- 冷却方式：水冷
- Cooling method: water cooled
- 进气压力：0.6～1.0Mpa
- Inlet pressure: 0.6～1.0Mpa
- 冷却水进口温度：≤32℃
- Cooling water inlet temperature: ≤32℃
- 冷却水进水压力：0.2～0.4Mpa
- Cooling water inlet pressure: 0.2～0.4Mpa
- 压力损失：≤0.02Mpa
- Pressure loss: ≤0.02Mpa
- 压力露点：3～10℃
- Pressure Dew point: 3～10℃
- 制冷剂：R22
- Refrigerant: R22

■ 型号规格与性能参数 Models and Parameters

Models 型号 / 项目 Items		HAD -15 NW	HAD -20 NW	HAD -25 NW	HAD -30 NW	HAD -40 NW	HAD -50 NW	HAD -60 NW	HAD -80 NW	HAD -100 NW	HAD -120 NW	HAD -150 NW	HAD -180 NW	HAD -200 NW	HAD -300 NW	HAD -400 NW	HAD -500 NW
空气处理量(Nm^3/min) Air processing capacity		17	23	27	33	45	55	65	85	100	120	150	180	200	300	400	500
电源(V/Hz) Power Supply		380/50															
压缩机功率(KW) Compressor Power		3.7	4.4	5.4	**7.4**	**9**	**10.9**	10	13.6	**18.2**	**20.8**	27.6	33.6	37.3	59.7	74.6	93.3
冷却水循环量(Nm^3/h) Cooling water cycling volume		3.0	3.7	4.4	5.9	7.4	8.9	11.1	12.4	14.6	16.5	18.6	21.6	24.4	36	48	60
冷却水接管口径 Cooling Water In/Out Connections		**R1"**	**R1"**	R1-1/2"	R1-1/2"	R1-1/2"	R1-1/2"	R1-1/2"	**R2"**	**R2**	R1-1/2"	R1-1/2"	R1-1/2"	**DN80**	**DN80**	**DN80**	**DN100**
空气接管口径 Air Inlet/Outlet Connections		DN80				DN100	DN125			DN150		DN200			DN250	DN300	DN400
冷凝器水管口径 Caliber of the water pipe in the condenser		R1"		R1 ½"					R2"		R2 ½"		**DN65**	DN80		DN100	
设备重量(Kg) Equipment weight		350	405	550	600	660	950	995	1490	2250	2460	2750	3200	3250	3900	4530	5120
外形尺寸 (mm) Outer dimension	长 L	1400	1470	1790	1710	2090	2090	2265	2320	2690	2980	3070	**3850**	**3130**	4000	4345	4760
	宽 W	800	800	800	950	950	1000	1020	1240	1160	1260	1500	**1565**	**1540**	1980	2150	2380
	高 H	1145	1370	1370	1588	1588	1483	1636	1674	2050	2120	2466	**2207**	**2670**	2380	2670	2730

标准工况：工作压力0.7Mpa，进气温度38℃，冷却水温度32℃。
Standard Operation conditions: Inlet pressure0.7Mpa，Inlet temperature38℃，Cooling Water Temperature32℃.
备注：如需其他处理量或特殊要求机型可与汉粤公司联系
If you need special air capacity or others customization dryers，ask for our company.

PET系列高压吹瓶冷干机

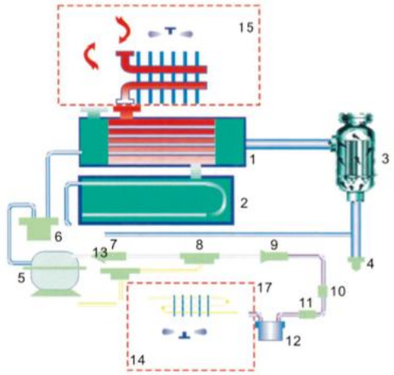
PET Series High Pressure Refrigerated Compressed Air Dryers For Bottle Blowing

■ 工况条件与技术指标
Operational conditions and technology indicators

- 进气温度：≤80℃
- Inlet temperature: ≤80℃
- 冷却方式：风冷
- Cooling method: air cooled
- 进气压力：2.5～4.0Mpa
- Inlet pressure: 2.5～4.0Mpa
- 环境温度：≤38℃
- Ambient temperature: ≤38℃
- 压力露点：3～10℃
- Pressure Dew point: 3～10℃
- 压力损失：≤5%
- Pressure loss: ≤5% of Inlet Pressure
- 制冷剂：R22（R407C/R134a/R404可选）
- Refrigerant: R22 (R407C/R134a/R404 for option)

■ 工作原理 Operation principle

- 压缩空气首先进入预冷器(15)进行初步冷却，之后再流入回热器(1)，与回流的成品气进行热交换，使压缩空气进一步降温，并将冷凝出的水排出机外。之后，压缩空气流入蒸发器(2)，与冷媒进行热交换，使压缩空气进一步降温除水，达到符合要求的露点温度。空气中水汽凝结成液态水经过汽液分离器(3)的作用下分离出液态水。经过汽液分离器(3)的干燥冷却空气通过回热器(1)进行气对气热交换，使离开干燥机时被升温，降低空气的相对温度。
- The compressed air will firstly enter the pre-cooling unit (15) for preliminary cooling, then enter the heat regenerator (1), exchanging heat with the returned finished air, which lower the temperature of the compressed air. The condensates will be discharged out of the machine. Later, the compressed air enters the evaporator (2), exchanging heat with the cooling medium to further lower the temperature of the compressed air, thus achieving the desired dew point. The vapor in the air will be condensed into liquid water, which will be separated through gas-liquid separator (3). The dried cooling air going through the gas-liquid separator (3) will then returns to the heat regenerator (1) for gas-gas heat exchange, which then heated up when leaving the dryer to lower the relative temperature of the air.



BNF系列节能环保型冷冻式干燥机

Energy Saving & Environmental Friendly Refrigerated Compressed Air Dryers

■ 节能 Energy Saving

- 采用高效铝合金板翅式换热器。错流式高效换热方式，充分的换热面积，机器内冷量能被最大化的利用。压力损失少于0.02Mpa。
- High efficiency heat exchanging wings made of aluminum alloy plates, cross-flowing high efficiency heat exchanging and sufficient exchanging area, maximizing the cooling energy inside the machine. Pressure loss is less than 0.02Mpa.

■ 环保 Environmental Friendly

- 换热器采用铝合金材质。换热器不会生锈，抗腐蚀能力强，不造成二次污染。
- 全系列产品采用环保冷媒，符合国际环保节能潮流。
- Aluminum-alloy-made heat exchangers never get rusted, strong anti-corrosion property, pollution reoccurrence free. Environmental cooling medium adopted across the series, keeping up with the international trends of environment protection.

■ 性能卓越 Excellent Performance

- 在标准工况条件下，比传统管壳式冷干机出口露点温度低3℃。
- Under nominal operation conditions, the outlet dew point is 3℃ lower than that of the conventional tube shell refrigerated compressed air dryer.

■ 配置优良 Top Configuration

- 全系列制冷压缩机均为一线知名品牌产品。
- 全系列制冷控制元件均为一线知名品牌产品。
- 全系列风冷凝器表面采用纳米防腐涂层。
- Whole series of refrigerated compressors are of first class brands.
- Whole series of refrigeration control elements are of first class brands.
- Whole series of air coolers adopt nanometer anti-corrosion coating on the surfaces.

■ 外形小巧 Compact

- 同流量下，高效铝合金换热器的体积比传统管壳式换热器减少2/3，整机布局更为紧凑，使整机占地面积大幅减少，有效减少对客户有限使用场地的占用。
- The high efficiency heat exchangers made of aluminum alloy plates are, under same flow capacity, 2/3 less in volume than that of the conventional tube shell exchangers. The layouts are more compact, significantly reducing the footprint of the equipments, further freeing customers' limited space.

■ 型号规格与性能参数 Models and Parameters

Items 项 目 / 型 号 Models	处理量 Nm^3/min Air processing capacity	制冷剂 Refrigerant	压缩机功率 (KW) Compressor Power	风机功率 (W) Fan Power	电 源 (V/HZ/HP) Power Supply	长 x 宽 x 高 (mm) LxWxH	重量 (KG) Equipment weight	空气接管口径 Air Inlet/Outlet Connections
HAD-0.5BNF	0.5	R134a	0.21	53	220/50/1	630x347x520	34	Rc1"
HAD-1BNF	1.2		0.32				35	
HAD-2BNF	2.4		0.6			690x347x520	44	
HAD-3BNF	3.8		0.9	110		760x407x560	62	
HAD-6BNF	6.5	R407c	1.04	150		720x570x690	90	Rc1-1/2"
HAD-8BNF	8.5		1.06			770x570x690	100	
HAD-10BNF	10.7		1.16			820x570x740	120	Rc2"
HAD-13BNF	13.5		1. 66	240		970x570x780	140	
HAD-15BNF	17		2.7		380/50/3	970x700x780	180	
HAD-20BNF	22					970x700x970	200	Rc2-1/2"
HAD-25BNF	27		5	2x195		1000x800x1180	230	Rc3"
HAD-30BNF	33		5.8			1110x800x1180	260	
HAD-40BNF	45		6.5			1210x900x1180	310	Rc4"
HAD-50BNF	55		8.5	3x195		1310x950x1680	400	Rc5"
HAD-60BNF	65		11.1	3x240		1370x980x1880	520	

设计工况：工作压力0.7Mpa，进气温度38℃，环境温度38℃
Standard Operation conditions: Inlet pressure0.7Mpa，Inlet temperature38℃，Ambient temperature38℃
处理量：20立方以上型号可选择水冷型
Capacity more than 20Nm3/min，Water cooling for option.
备注：如果其他要求，接受特殊定制
Mark: If you need special air capacity or others customization dryers，ask for our company.

■ 工况条件与技术指标 Operational conditions and technology indicators

- 流量范围：0.5-65Nm3/min（可接受特殊定制）
- Air flow rate：0.5-65Nm3/min（Customization for special air flow rate）
- 最大进气温度：60℃
- Max inlet air temperature：60℃
- 最低环境温度：5℃
- Min ambient air temperature：5℃
- 工作压力：≤1.3Mpa
- Working pressure：≤1.3Mpa
- 最高环境温度：50℃
- Max ambient air temperature：50℃
- 冷却方式：风冷
- Cooling method: Air cooled
- 额定工况：工作压力0.7Mpa，进气温度38℃，环境温度38℃，压力露点3-8℃
- Standard Operation conditions：Inlet pressure0.7Mpa，Inlet temperature38℃，Ambient temperature38℃，Pressure dew point3-8℃

组合式低露点压缩空气干燥机
Refrigerated & Desiccant Combined Compressed Air Dryers

■ 工况条件与技术指标 Operational conditions and technology indicators

- 进气压力：0.6～1.0Mpa
- Inlet pressure: 0.6～1.0Mpa
- 成品气压力露点：-20～-70℃
- Finished air pressure dew point: -20℃～-70℃
- 压力损失：≤0.05Mpa
- Pressure loss: ≤0.05Mpa
- 冷却水温：≤32℃
- Cooling water temperature: ≤32℃
- 空气进口温度：≤45℃
- Air inlet temperature: ≤45℃
- 再生气量：3～5%
- Air regenerated capacity: 3～5%

■ 型号规格与性能参数 Models and Parameters

Items项 目 / 型 号 Models	处理量 Nm^3/min Air processing capacity	冷却水循环量 Nm^3/h Cooling water cycling volume	空气接管口径 Air Inlet/Outlet Connections	外形尺寸(mm) Outer dimension L	W	H	设备重量(Kg) Equipment weight	组合形式 Combine mode
HAD-1FMZ	1.2	–	R1	760	1200	1335	205	常温风冷+无热 Normal temperature inlet air cooling refrigerated dryer & Heatless desiccant dryer combined
HAD-2FMZ	2.4	–	R1	760	1200	1335	270	
HAD-3FMZ	3.8	–	R1	1160	1360	1663	340	
HAD-6FMZ	6.5	–	R1-1/2"	1200	1610	1915	530	
HAD-10FMZ	10.7	–	R2"	1350	1587	1928	600	
HAD-12FMZ	13	–	R2"	1480	1865	2087	800	
HAD-15WMZ	17	3	DN80	1880	1915	2032	1200	常温水冷+无热 High temperature inlet water cooling refrigerated dryer & Heatless desiccant dryer combined
HAD-20WMZ	23	3.7	DN80	1880	1915	2332	1510	
HAD-25WMZ	27	4.4	DN80	1880	2045	2294	1960	
HAD-30WMZ	33	5.9	DN80	1880	2125	2332	2280	
HAD-40WMZ	45	7.4	DN100	2390	2262	2550	2880	
HAD-50WMZ	55	8.9	DN125	2580	2530	2617	3130	
HAD-60WMZ	65	11.1	DN125	2580	2530	2817	3400	
HAD-80WMZ	85	12.4	DN125	2640	2750	2826	4250	
HAD-100WMZ	100	14.6	DN150	2820	3170	3014	5130	
HAD-120WMZ	120	16.5	DN150	2980	3680	2920	6115	
HAD-150WMZ	150	18.6	DN200	2960	4060	3429	6800	

备注： 1FMZ-12FMZ机型为常温风冷+无热型组合；15WMZ-300WMZ机型为常温水冷+无热型组合，如需其他组合请与汉粤公司联系。
Remark: 1FMZ-12FMZ model is the combination of normal temperature inlet air cooling refrigerated dryer & Heatless desiccant dryer combined. 15WMZ-300WMZ model is high temperature inlet water cooling refrigerated dryer & Heatless desiccant dryer combined.For other combination, please contact HANFILTER.

汉粤吸附式干燥机优点
Advantages of the HANFILTER Absorptive Dryers

本产品是在吸收美国HANKISON及德国ZANDER吸附式干燥机的技术基础上，根据国内实际工况采用科学有效的设计和制造，使用户获得更加满意，运转更加可靠的干燥机，汉粤牌吸附式干燥机由于设计先进，运转可靠，露点稳定等优点，获得多项国家技术专利并成为行业《一般压缩吸附式干燥机》和《一般用压缩空气吸附式干燥机控制器》行业标准起草和制订单位之一。成为国内该项技术领先厂家之一。

This model based its technologies from US HANKISON and Gemany ZANDER absorptive dryer, and combines with the practical operation features in China to create more stable and more reliable dryers with scientific design and manufacturing, thus raising the customer satisfactions. "HANFILTER" absorptive dryer won several national patent with its state-of-art technology, stable running, low dew point and high stability. Moreover, HANFILTER is also one of the companies in preparation of the industry standards - "General Purpose Refrigerated Compressed Air Dryers" and "General Purpose Desiccant Compressed Air Dryers", and thus becoming the one of the few domestic manufacturers with top technology.

A、具有稳定的出气压力和露点　A. Stable outlet pressure and dew point

1、选用独特的吸附剂小珠，直径为φ3.0mm。具有更大的活性表面积，更高的吸附能力和抗粉碎强度，更长的使用寿命。

2、30%的额外吸附剂以补偿吸附剂的自然老化，从而保证了稳定的压力露点。

3、卓越的吸附筒设计参考了美国汉克森(HANKISON)产品的高径比，既考虑了运输，同时又保证了接触时间不少于5.2秒。

1. Unique sorbent bolus with diameter of φ3.0mm, gaining bigger activated surface area, higher absorptive power and anti-crushing strength, longer life.

2. 30% extra sorbent to compensate the natural aging of the sorbent, allowing a stable pressure dew point.

3. Excellent absorptive cartridge based on the high diameter ratio from the US HANKISON products, taking into account the transportation and guaranteeing the contact time is no less than 5.2 seconds.

B、先进的分流器设计　B. State-of-art shunting unit design

因国内现有的扩散器基本上都存在沟流现象，本公司在设计上采用了德国ZANDER吸干机选用的一种性能优良的分流器，使压缩空气能均匀地与吸附剂进行接触，彻底地消除了沟流现象。

In considering that the domestic dispenser encounters the cross flow phenomenon, the company designs to utilize a better shunting device based on the Germany ZANDER absorptive dryer to perform an evenly contact of compressed air and the sorbent, completely eliminating the cross flow phenomenon.

C、可靠的阀件动作和先进的进口电气　C、Reliable valve motion and state-of-art imported electrical parts

选用性能优良，动作可靠的进口蝶阀，使用寿命均超过100万次，使机型更美观性能更可靠。

Use good performance and reliable butterfly valve and solenoid valve，with lifecycle exceeding 1 million times.

吸附式干燥机工作压力及入口温度修正系数（cf1）
Desiccant Compressed Air dryers working pressure and correction factor

入口温度 Inlet Temperature	工作压力（Bar） Working pressure						
℃	4	5	6	7	8	9	10
38	0.63	0.75	0.88	1	1.09	1.2	1.33
40	0.53	0.63	0.74	0.85	0.92	1.02	1.13
42	0.47	0.56	0.66	0.75	0.81	0.9	0.99
45	0.37	0.45	0.52	0.6	0.65	0.72	0.79

干燥器公称流量=待处理气量（空压机排气量）/cf1
Nominal flow rate of dryers=Actually flow rate（Flow rate of compressor outlet）

无热再生吸附式干燥机
Heatless Desiccant Compressed Air Dryers

■ 工况条件与技术指标
Operational conditions and technology indicators

- 再生气量：≤12～15%
- Air regenerated capacity: ≤12～15%
- 工作压力：0.6～1.0Mpa
- Working pressure: 0.6-1.0MPa
- 进气含油量：≤0.1mg / m3
- Inlet oil content: ≤0.1mg / m3
- 成品气压力露点：-20℃～-70℃
- Finished air pressure dew point: -20℃～-70℃
- 干燥剂：活性氧化铝
- Desiccant: Activated alumina
- 工作周期：T=4～20分钟
- Working cycle: T=4～20 min
- 进气温度：0℃～45℃
- Inlet temperature: 0℃～45℃
- 电源：220V/50Hz
- Power supply: 220V/50HZ

专利名称：无热吸干机
专利号：ZL200930089545.4
- Patent name: Heatless absorptive dryer
- Patent No.: ZL200930089545.4

■ 型号规格与性能参数 Models and Parameters

Items 项 目 / 型 号 Models	空气流量(Nm^3/min) Capacity	空气接管口径 Air Inlet/Outlet Connections	外形尺寸(mm) Outer dimension	设备重量(Kg) Equipment weight
HAD-1WXF	1.2	DN25	605 x 560 x 1188	130
HAD-2WXF	2.4	DN25	605 x 560 x 1646	170
HAD-3WXF	3.8	DN25	750 x 560 x 1553	250
HAD-6WXF	6.5	DN40	1023 x 577 x 1745	398
HAD-8WXF	8.5	DN50	1062 x 617 x 1839	438
HAD-10WXF	10.7	DN50	1211 x 667 x 1774	485
HAD-12WXF	13	DN50	1436 x 655 x 2000	500
HAD-16WXF	17	DN80	1495 x 783 x 1848	660
HAD-20WXF	23	DN80	1495 x 783 x 2149	715
HAD-25WXF	27	DN80	1820 x 811 x 2160	790
HAD-30WXF	33	DN80	1716 x 850 x 2179	975
HAD-40WXF	45	DN100	1816 x 976 x 2400	1280
HAD-50WXF	55	DN125	2116 x 1036 x 2460	1830
HAD-60WXF	65	DN125	2116 x 1036 x 2660	2060
HAD-80WXF	85	DN125	2216 x 1146 x 2714	2470
HAD-100WXF	100	DN150	2500 x 1900 x 2933	3280
HAD-120WXF	120	DN150	2800 x 2100 x 3018	3890
HAD-150WXF	150	DN200	3900 x 2200 x 3429	4530
HAD-200WXF	200	DN200	3100 x 2400 x 3529	5770
HAD-250WXF	250	DN250	3200 x 2600 x 3645	6970
HAD-300WXF	300	DN250	3400 x 2800 x 3810	8320
HAD-350WXF	350	DN300	3500 x 2900 x 3950	9720
HAD-400WXF	400	DN300	3600 x 3000 x 4250	11200
HAD-500WXF	500	DN400	5400 x 3852 x 4800	13900

壁挂式无热再生吸附式干燥机
Heatless Desiccant Compressed Air Dryers

壁挂式无热再生吸附式干燥机是专门给小型空压机配套或终端用气再干燥的产品，安装和管道连接非常简便，能为客户解决在特殊场合下的应用需求。

The wall-mounted heatless desiccant compressed air dryers are products designed to use with small air compressor or stand alone for terminal gas drying. It is very easy to install and pipe connection in order to meet the application needs of the customers under special scenarios.

专利名称：壁挂式吸干机
专利号：ZL200920057536.1

■ 特点：Features:

- 采用箱式壁挂结构，安装方便，重量轻，可以移动，占用空间小，运输方便；
- 仪表板采用内嵌式，可以保护仪表不受损坏；
- 控制系统采用自主开发的PLC控制器，实现两种工作周期可选来满足不同的压力露点需求。
- Wall mounted structure which is convenient in installation, light weighted, flexible, small and easy to be transported;
- Embedded dashboard which is protected from damage;
- The control systems are from proprietary PLC controller, bringing 2 optional working cycle to meet different needs on pressure dew point.

■ 应用场合： Applications

- 气动设备、控制系统。
- 药物和牙医设备、实验室、珠宝玉器加工、室外压缩空气操作、喷漆系统。
- 所有无热再生吸附式干燥机应用场合，如：气动仪表、纺织化纤、化工等。
- Pneumatic devices, control systems.
- Pharmaceutical and dental devices, labs, jewel and jade processing, outdoor compressed air operation,
- painting system.
- All scenarios for the application of heatless desiccant compressed air dryers, such as: pneumatic instruments,
- textile chemicals, chemicals, etc.

■ 工况条件与技术指标 Operational conditions and technology indicators

- 进气温度：0-45℃
- 进气含油量：≤0.1ppm
- 工作压力：0.6-1.0MPa
- 压力损耗：≤0.02MPa
- 压力露点：-20～-70℃
- 再生气量：≤14%
- 干燥剂：活性氧化铝+分子筛
- 工作周期：T=10分钟或4分钟（可选）
- 控制方式：PLC自动控制
- Inlet temperature: 0-45℃
- Inlet oil content: ≤0.1ppm
- Working pressure: 0.6-1.0MPa
- Pressure loss: ≤0.02MPa
- pressure dew point: -20～-70℃
- Air regenerated capacity: ≤14%
- Desiccants: activated alumina + molecular screen
- Working cycle: T=10 min or 4 min (optional)
- Controlling method: PLC automatic control

■ 型号规格与性能参数 Models and Parameters

项 目 / 型 号	空气流量(Nm^3/min) Capacity	空气接管口径 Air Inlet/Outlet Connections	外形尺寸(mm) Outer dimension	设备重量(Kg) Equipment weight
HAD-0.2WXF	0.28	1/2"	505 x 170 x 785	46.5
HAD-0.4WXF	0.43			
HAD-0.5WXF	0.58			
HAD-0.7WXF	0.71		580 x 220 x 805	63

备注：1、电源AC 220V-1PH-50HZ
2、耗电量：50W

Mark: 1. Power supply 220V-1PH-50HZ
2.Power consumption: 50w

微热再生吸附式干燥机

Heated Purge Desiccant Compressed Air Dryers

■ 工况条件与技术指标 Operational conditions and technology indicators

- 再生气量：≤4- 6%
- Air regenerated capacity: ≤4- 6%
- 工作压力：0.6-1.0Mpa
- Working pressure: 0.6-1.0Mpa
- 进气含油量：≤0.1mg/m³
- Inlet oil content: ≤0.1mg/m³
- 成品气压力露点：-20℃～-40℃
- Finished air pressure dew point: -20℃～-40℃
- 干燥剂：活性氧化铝
- Desiccant: Activated alumina
- 工作周期：T=60-180分钟
- Working cycle: T=60-180 min
- 进气温度：0℃-45℃
- Inlet temperature: 0-45℃

专利名称：微热吸干机

专利号：ZL200930089546.9

Patent name: Cotrollers for Desiccant Compressed Air Dryers
Patent No.: ZL200930089546.9

■ 型号规格与性能参数 Models and Parameters

Items 项 目 / 型 号 Models	空气流量(Nm³/min) Capacity	加热器功率 (KW) Heater power	空气接管口径 Air Inlet/Outlet Connections	外形尺寸(mm) Outer dimension	设备重量(Kg) Equipment weight
HAD-1MXF	1.2	1.6	DN25	605 x 560 x 1188	144
HAD-2MXF	2.4	2	DN25	605 x 560 x 1646	230
HAD-3MXF	3.8	2.4	DN25	750 x 560 x 1620	350
HAD-6MXF	6.5	3.0	DN40	1023 x 577 x 1745	428
HAD-8MXF	8.5	3.6	DN50	1062 x 617 x 1838	470
HAD-10MXF	10.7	3.9	DN50	1217 x 667 x 1774	515
HAD-13MXF	13.8	4.5	DN50	1436 x 800 x 2000	550
HAD-16MXF	17	5.4	DN80	1495 x 783 x 1878	740
HAD-20MXF	23	6.6	DN80	1495 x 783 x 2178	824
HAD-25MXF	27	7.2	DN80	1820 x 900 x 2190	945
HAD-30MXF	33	9.6	DN80	1716 x 850 x 2182	1125
HAD-40MXF	45	11.7	DN100	1816 x 976 x 2400	1450
HAD-50MXF	55	14.4	DN125	2116 x 1036 x 2456	1690
HAD-60MXF	65	18.6	DN125	2116 x 1036 x 2656	1900
HAD-80MXF	85	22.8	DN125	2216 x 1146 x 2710	2300
HAD-100MXF	100	30	DN150	2820 x 1550 x 3014	3660
HAD-120MXF	120	40	DN150	2800 x 2000 x 2955	4300
HAD-150MXF	150	50	DN200	3120 x 2280 x 3156	5000
HAD-200MXF	200	75	DN200	3800 x 2112 x 2945	6200
HAD-250MXF	250	95	DN250	3200 x 2600 x 3645	7550
HAD-300MXF	300	114	DN250	3400 x 2850 x 3810	9030
HAD-350MXF	350	130	DN300	3500 x 2900 x 3950	10480
HAD-400MXF	400	145	DN300	3600 x 3000 x 4250	12050
HAD-500MXF	500	175	DN400	5400 x 3852 x 4800	19900

设计工况：工作压力0.7MPa，进口温度：38℃

Standard Operation conditions：Inlet pressure0.7Mpa，Inlet temperature38℃

GXF系列鼓风吸附式干燥机

GXF Series Blower Purge Desiccant Compressed Air Drers (Use 1% purge air for desiccant cooling)

■ 采用PLC控制： PCL control:

- 控制器采用我司自主研发的PLC控制器（专利产品），使设备运转更加稳定，可靠性更高，抗干扰能力更强。
- The controllers are the proprietary PLC controllers (patented) of our company allow the equipments to be running stably and reliably, with a better anti-disturbance property.

■ 原理 Principle

- **吸附干燥过程：**含水份的压缩空气流经装有高性能吸附剂的吸附塔，压缩空气中的水份被吸附剂吸收干燥并流向用气终端，供用气点使用。
- **再生过程：**该系列干燥机利用高压鼓风机将环境空气（作为再生气流）鼓入加热器的加热筒内，并流经需要脱附的吸附剂，利用吸附剂在高温下脱附的原理，将水份带出吸附筒排到大气。
- Process of absorptive drying: the moistured compressed air goes through the absorption tower with high performance sorbent, with the moisture within the compressed air being absorbed dried out by the sorbent. The dried air will then flow to the air terminal for use.
- Process of regeneration: this series of dryers utilize the high pressure blower to blow ambient air (which will be the regeneration flow) into the heating cartridge of the heater. The air then goes through the sorbent which sucks out the moisture from the absorptive cartridge into the atmosphere with the high temperature detachment of the sorbent.

■ 优点：

- 再生气量少，利用高压鼓风机从外界空气中鼓入的空气作为再生气，只耗费1％的干燥成品压缩空气用作吹冷，耗气量为无热再生吸附式干燥机的1/15，微热再生干燥机的1/6。
- 采用可靠性高，寿命长，噪音低的高压鼓风机。
- 采用高性能PLC作为控制主机，抗干扰能力强，确保设备运行平稳，并可在本地或远程监控设备的运行状态（可为客户提供通讯接口）。
- Less regenerated air volume: utilizing the blower to blow ambient air into the system as the regenerated air, with only 1% of dry finished compressed air for cool blowing. The air consumption is 1/15 of that of the heatless regenerated absorptive dryers, and 1/16 of that of the micro-heating regenerated dryers.
- Using high-pressure blower with high stability, long lifecycle and low noise.
- High performance PLC is chosen as the controlling host which is strong in disturbance proof, ensuring a smooth running of the equipments and the status of the equipments are monitored locally or remotely (providing COM for the customers).

■ 工况条件与技术指标 Operational conditions and technology indicators

- 再生气量：≤1%
- Air regenerated capacity: ≤1%
- 工作压力：0.6-1.0 MPa
- Working pressure: 0.6-1.0MPa
- 进气含油量：≤0.1mg/m³
- Inlet oil content: ≤0.1mg/m³
- 压力露点：-20℃～-40℃
- Pressure dew point: -20℃～-40℃
- 标准工作周期：8小时
- Norminal Working Cycle: 8 Hours
- 进气温度：0℃-45℃
- Inlet temperature: 0℃-45℃

■ 型号规格与性能参数 Models and Parameters

Items 项 目 / 型 号 Models	流量 (Nm³/min) Inlet flow	鼓风机功率 (KW) Blower power	加热器功率 (KW) Heater power	空气接管口径 Air Inlet/Outlet Connections	外形尺寸(mm) Outer dimension	重量 (Kg) Weight	电源(V/Hz) Power Supply
HAD-15GXF	17	1.6	7.2	DN80	1440 x 1267 x 2370	1400	380/50
HAD-20GXF	23	1.6	9.6	DN80	1827 x 1410 x 2579	1716	
HAD-25GXF	27	2.2	11.7	DN80	1653 x 1325 x 2560	1789	
HAD-30GXF	33	2.2	14.4	DN80	1830 x 1423 x 2639	2001	
HAD-40GXF	45	5.5	18.6	DN100	2076 x 1577 x 2685	2890	
HAD-50GXF	55	7.5	30	DN125	2140 x 1595 x 2733	3014	
HAD-60GXF	65	7.5	35	DN125	2500 x 1713 x 2744	3781	
HAD-80GXF	85	8.5	45	DN125	2500 x 1830 x 2761	4040	
HAD-100GXF	100	17	66	DN150	2680 x 2100 x 3112	4747	
HAD-120GXF	120	17	79	DN150	3080 x 2070 x 3183	5815	

设计工况：工作压力0.7MPa，进口温度：38℃

Standard Operation conditions：Inlet pressure0.7Mpa，Inlet temperature38℃

鼓风零耗气吸附式干燥机

Blower Purge Desiccant Compressed Air Dryers(Zero Air Loss)

■ 特点：Features:

- 使用循环风机引用外界的自然空气对吸附剂进行加热再生、内循环吹冷。
- 采用PLC智能化控制。无需人员值守，设备自动运行，并能在本地人机界面上监控设备的运行状态。
- 采用4小时长周期切换方式。（可接受客户根据实际露点要求定制切换周期时间）
- 压力损耗小，露点稳定。
- The process of heating and blowing the regenerative absorption bed will utilize cycling fan to draw part of the finished dry compressed air to heat/blow the absorption bed.
- PLC intelligent control. Equipments are running automatically without personnel attained at site, with the operational status monitored on the local human-machine interface.
- 4-hour periodic alternation. (The alternation time may be customized as per the customers' practical needs on dew points.)
- Low in pressure loss and stable dew point.

■ 工况条件与技术指标

Operational conditions and technology indicators

- 工作压力：0.6～1.0MPa
- 进气温度：≤45℃
- 压力露点：-20℃～-40℃
- 再生耗气量：0.03%
- 进气含油量：≤0.1mg/m3
- 电压：380V/50HZ
- Working pressure: 0.6-1.0MPa
- Inlet temperature: ≤45℃
- Pressure dew point: -20℃～-40℃
- Regeneration air consumption: 0.03%
- Inlet oil content: ≤0.1mg/m3
- Voltage:380V/50HZ

■ 型号规格与性能参数 Models and Parameters

Models 型 号 / 项 目 Items	处理量 Nm^3/min Air processing capacity	鼓风机功率 (KW) Blower power	加热器功率 (KW) Heater power	空气接管口径 Air Inlet/Outlet Connections	冷却水接管口径 Cooling Water In/ Out Connections	冷却水循环量 Nm^3/h Cooling water cycling volume	外形尺寸(mm) Outer dimension			重量(Kg) Weight
							L	W	H	
HAD-15GLF	17	2.2	11.7	DN80	R1"	1.0	1830	1940	2244	2000
HAD-20GLF	23	2.2	11.7	DN80	R1"	2.8	1900	1940	2628	2200
HAD-25GLF	27	5.5	18.6	DN80	R1"	2.8	2006	1900	2638	2330
HAD-30GLF	33	5.5	22.8	DN80	R1"	2.8	2210	2080	2660	2875
HAD-40GLF	45	7.5	30	DN100	R1"	5.7	2340	2115	2735	3170
HAD-50GLF	55	8.5	40	DN125	R1"	5.7	2440	2340	2814	3500
HAD-60GLF	65	8.5	45	DN125	R1"	5.7	2440	2340	2814	4000
HAD-80GLF	85	8.5	50	DN125	R1"	5.7	2520	2562	2751	4700
HAD-100GLF	100	17	68	DN150	DN65	7.5	2700	2700	2976	5570
HAD-120GLF	120	17	82	DN150	DN80	9	2700	2700	2996	6650
HAD-150GLF	150	22	103	DN200	DN80	12	3615	2900	3189	8050
HAD-200GLF	200	28	137	DN200	DN80	15	4760	3200	3289	10025
HAD-250GLF	250	37	171	DN250	Dn80	19	4860	4200	3475	13490

设计工况：工作压力0.7MPa，进口温度：38℃，冷却水温度：32℃
备注：如需其他处理量或特殊要求机型可与汉粤公司联系。
Standard Operation conditions: Inlet pressure0.7Mpa，Inlet temperature38℃
Mark: If you need special air capacity or others customization dryers，ask for our company.

HYR系列余热吸干机

HYR Series Heat of Compression Desiccant Compressed Air Drers (Use 1% purge air for desiccant cooling)

■ 特点：Features:

HYR系列余热吸干机利用无油空气压缩机的余热对吸附剂进行加热再生，充分利用压缩空气系统中废热。在不使用加热装置的条件下，同样可以达到加热式吸干机的效果，充分展现其节能、高效的特点，成品气露点可达到-40℃；采用自主专利PLC控制器，比单片机性能更稳定可靠；控制阀门采用优质蝶阀，保证无故障切换100万次以上；先进的分流器设计，使压缩空气能均匀地与吸附剂进行接触，彻底地消除了沟流现象。

HYR series heat of compression desiccant compressed air dryers utilize the afterheat from the heatless air compressor to heat and regenerate the sorbent. The waste heat from the compressed air system will be taken advantages of. Without the heating devices, the system can achieve the effect of heating dryers. Therefore, the series are energy saving and highly efficient, with finished air reaching -40℃.The proprietary PLC controllers are more stable and reliable than the microcontroller.The control valves are quality Butterfly valves, guaranteeing over 1 million fault-free switching.State-of-art shunting device design to perform an evenly contact of compressed air and the sorbent, completely eliminating the cross flow phenomenon.

■ 工况条件与技术指标

Operational conditions and technology indicators

- 电源：220V/50HZ
- 工作压力：0.6-1.0 MPa
- 压力损失：≤0.04 MPa
- 空气进口温度：110℃-140℃
- 冷却水压力：0.2-0.4 MPa
- 冷却水温：≤32℃
- 压力露点：-20℃～-40℃
- 再生气量：≤1%
- Power supply: 220V/50HZ
- Working pressure: 0.6-1.0MPa
- Pressure loss: ≤0.04 MPa
- Air inlet temperature: 110℃-140℃
- Cooling water pressure: 0.2-0.4 MPa
- Cooling water temperature: ≤32℃
- Pressure Dew point: -20℃～-40℃
- Air regenerated capacity: ≤1%

■ 型号规格与性能参数 Models and Parameters

Models型 号 / 项 目 Items	空气流量 (Nm^3/min) Capacity	冷却水循环量 Nm^3/h Cooling water cycling volume	空气接管口径 Air Inlet/Outlet Connections	冷却水接管口径 Cooling Water In/ Out Connections	外形尺寸(mm) Outer dimension	重量(Kg) Weight
HAD-40HYR	45	15	DN100	R2"	2100 x 2494 x 2691	3270
HAD-50HYR	55	18	DN125	DN50	2000 x 2500 x 2825	3700
HAD-60HYR	65	22	DN125	DN65	2200 x 2600 x 2855	4300
HAD-80HYR	85	30	DN125	DN65	2200 x 2750 x 2831	4970
HAD-100HYR	100	36	DN150	DN80	2300 x 3590 x 2935	5870
HAD-120HYR	120	42	DN150	DN80	3650 x 2680 x 2972	6950
HAD-150HYR	150	50	DN200	DN80	3520 x 2630 x 3247	8450
HAD-200HYR	200	58	DN200	DN80	4120 x 2830 x 3600	13000
HAD-250HYR	250	74	DN250	DN80	4220 x 3067 x 3643	14200
HAD-300HYR	300	88	DN250	DN125	4200 x 4238 x 3578	17850
HAD-350HYR	350	102	DN300	DN150	4600 x 4350 x 3600	19800
HAD-400HYR	400	120	DN300	DN150	5030 x 4543 x 3633	22000
HAD-500HYR	500	160	DN400	Dn200	4330 x 4950 x 3780	28600

设计工况：工作压力0.7MPa，进口温度：140℃，冷却水温度：32℃
Standard Operation conditions: Inlet pressure0.7Mpa，Inlet temperature140℃，Cooling water Inlet temperature 32℃.

压缩余热零耗气吸附式干燥机

WYR Series Heat of Compression Dessiccant Compressed Air Dryers(Zero Air Loss)

■ 特点：Features:

- 再生过程（吸附床加热再生、吸附床吹冷）均直接使用离心空压机或无油螺杆空压机产出的压缩空气，无需使用经过吸干机产出干燥成品气进行再生，完全实现零耗气再生。
- 采用PLC智能化控制。无需人员值守，设备自动运行，并能在本地人机界面上监控设备的运行状态。
- 采用4小时长周期切换方式。（可接受客户根据实际露点要求定制切换周期时间）
- 压力损耗小，露点稳定。

- Regeneration process (heat regeneration of absorption bed, blowing of the absorption bed) will adopt compressed air direct from centrifugal air compressor or oil-free screw air compressor without utilizing the finished dry air from the absorptive dryer, thus achieving zero-consumption regeneration.
- PLC intelligent control. Equipments are running automatically without personnel attained at site, with the operational status monitored on the local human-machine interface.
- 4-hour periodic alternation. (The alternation time may be customized as per the customers' practical needs on dew points.)
- Low in pressure loss and stable dew points.

■ 型号规格与性能参数 Models and Parameters

Items 项 目 / 型 号 Models	处理量 Nm^3/min Air processing capacity	冷却水循环量 Nm^3/h Cooling water cycling volume	空气接管口径 Air Inlet/Outlet Connections	冷却水接管口径 Cooling Water In/ Out Connections	外形尺寸(mm) Outer dimension			概量 Kg Weight
					L	W	H	
HAD-40WYR	45	20.5	DN100	R2"	2560	2000	2759	3650
HAD-50WYR	55	25	DN125	DN65	2500	2000	2825	4390
HAD-60WYR	65	31	DN125	DN65	2700	2300	2825	4850
HAD-80WYR	85	41	DN125	DN65	2750	2600	2821	5900
HAD-100WYR	100	50	DN150	DN65	3200	2800	2983	7000
HAD-120WYR	120	58	DN150	DN65	3900	2800	3313	8100
HAD-150WYR	150	69	DN200	DN80	3720	3500	3227	9950
HAD-200WYR	200	80	DN200	DN80	4300	3100	3657	12500
HAD-250WYR	250	102	DN250	DN100	4300	3550	3842	16750
HAD-300WYR	300	122	DN250	DN125	4725	5317	3759	21000
HAD-350WYR	350	140	DN300	DN125	4860	4350	3780	23370
HAD-400WYR	400	165	DN300	DN125	5030	4543	3850	25950
HAD-500WYR	500	220	DN400	DN200	5540	4800	4175	33550

设计工况：工作压力0.7MPa，进口温度：140℃，冷却水温度：32℃
Standard Operation conditions: Inlet pressure0.7Mpa，Inlet temperature140℃，Cooling water Inlet temperature 32℃.

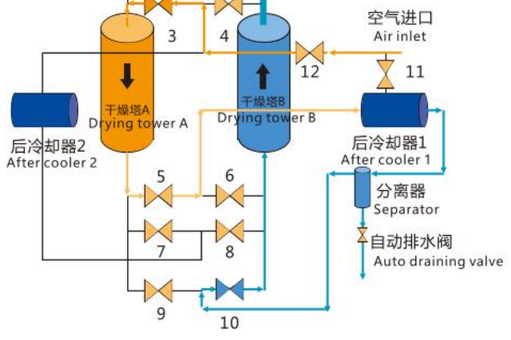
■ 工况条件与技术指标 Operational conditions and technology indicators

- 电源：220V/50HZ
- 工作压力：0. 6-1.0MPa
- 冷却水进口压力：0.2～0.4MPa
- 压力损失：≤0.04MPa
- 进口温度：110℃～140℃
- 压力露点：-20℃～-40℃
- 冷却水进口温度：≤32℃
- 再生耗气量：0%
- 干燥剂：活性氧化铝

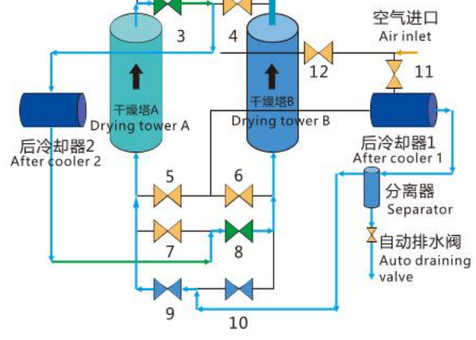
- Power Supply: 220V/50HZ
- Working pressure: 0. 6-1.0MPa
- Cooling water inlet pressure: 0.2～0.4MPa
- Pressure loss: ≤0.04MPa
- Inlet temperature: 110℃～140℃
- pressure dew point: -20℃～-40℃
- Cooling water inlet temperature: ≤32℃
- Regeneration air consumption: 0%
- Desiccant: Activated alumina

■ 工作流程图 Workflow Chart

加热阶段：
Heating stage



吹冷阶段：
Cool blowing stage



汉粤第二代精密过滤器优点
Compressed Air Filters

■ 提供与世界先进设计同步的压缩空气过滤器
Compressed air filters that are synchronized with the world's trend

汉粤HFII系列压缩空气过滤器在外观上保持了与美国HANKISON HF系列一致的风格，在压缩空气流通路径上参考了德国、英国等国际先进过滤器的设计，保持了HF系列过滤器的美观、实用、节能。

HANFILTER HFII series of compressed air filters are in line with the US HANKISON HF series in terms of their appearance. The flow path of the compressed air adopts the international filter design from Germany and Britain, maintaining the atheistic, usable and energy-saving features of the HF series of filters.

可选配件 Options


球形自动排水器 Sphere automatic water discharger


压差指示表 Pressure indicator


压差计 Pressure meter

■ 汉粤HFII系列为您提供期望的压缩空气质量
HANFILTER HFII series provide you with the quality compressed air you have expected

一般的压缩空气系统会受到磨蚀性固体微粒（例如灰尘、脏物、铁锈与水垢）、压缩机润滑油（矿物与合成润滑油）、冷凝液滴和酸性冷凝水以及油气和烃蒸气污染。若不清除这些污染物，那么气动设备的维护成本会上升，造成仪表和控制系统故障，容易引发产品表面质量问题，并污染工艺过程。

匹配的汉粤过滤器或其过滤系统将清除这些污染物，使您的压缩空气系统提供您应用所需的空气质量。无论是工厂空气、仪表空气或医用空气，这有助确保一致的输出质量。同时降低运营成本。

In general, the compressed air system will be contaminated by abrasive solid particles (such as dust, dirt, rust and water scale), compressor lubricant (minerals and synthesized lubricant), condensates and acidic condensates as well as the oil gas and hydrocarbon vapor. If these contaminants are not removed, the maintenance cost of the pneumatic equipments will go high, causing malfunctions to the instruments and controlling system, leading to quality problems to the product surface and polluting the process.

The HANFILTER equipped filters will eliminate these pollutants, allowing your compressed air system to provide you with the air quality you need. Whether it is for factory gas, instrument gas or medical gas, these filters will guarantee consistent output quality. Meanwhile, it reduces the operational cost.

■ 减少压降、节省运营成本
Reducing pressure-drop and operational cost

汉粤HFII系列过滤器流通路径是结合了空气动力学、流体力学、并经过精密计算而设计，引导压缩空气沿弧形路径进入滤芯进行过滤，减少了涡流现象。汉粤HFII系列过滤器与国内其它品牌相比，污染物清除能力更强，但压降更小。要知道，压降每增加0.14kgf/m²,电力输入就需要增加1%。

The flow path of the HANFILTER HFII series filters combines aerodynamics, hydrodynamics, and are designed via sophisticated calculation, guiding the compressed air to enter the filter elements through curving path so as to reduce the vortex. HANFILTER HFII series filters are stronger in contaminant removal and less pressure-drop comparing to other domestic brands. To be remember, every 0.14kgf/m² rise of pressure-drop will increase 1% of power demand.

■ 完善的售后服务为您解除后顾之忧
Robust post-sale services make you at ease.

汉粤净化提供电话、网上在线及上门等多种服务方式，并在全国20多个城市设有服务机构，保证您在购买汉粤产品后没有后顾之忧。

HANFILTER provide several ways of services including telephone, internet online and etc., with service sites in deployed in over 20 cities of China, assuring you anytime at ease once you have acquired HANFILTER products.

■ 汉粤HFII精密过滤器获国家三项技术专利
HANFILTER HFII sophisticated filters were issued 3 national patents

专利名称：过滤器（外观）
专利号为：ZL200530158161.5
专利名称：过滤器连接栓
专利号为：ZL200520120958.0

Patent name: filter (appearance)
Patent No.: ZL200530158161.5
Patent name: filter joint pin
Patent No.: ZL200520120958.0

空气过滤器滤芯
Compressed Air Filters' Element

可选用五种过滤器芯，供您设计确保所需质量的供气系统。
5 optional filter elements, giving you the quality air supply system you desired.

■ 活塞型过滤器芯与壳体密封，防止未过滤的气体绕过过滤器
Piston-type filter elements seal with the shell, preventing the unfiltered air from going through the filter.

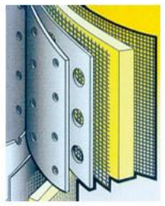
■ 防腐蚀滤芯 Anti-corrosion elements
- 不锈钢芯以增强结构性能 ● Stainless steel elements to enhance the structural performance
- 气流阻力低 ● Low air resistance
- 采用缝焊以提高强度 ● Seam welding for intensity enhancement

■ 新型"矩阵混合纤维"介质
- 有效表面积大-改进滤除率-确保高效率
- 开放区大，尽量减少压降

■ 涂膜封闭式泡沫套筒 Coated and closed foam sleeve
- 抗油类和酸类的化学腐蚀 ● Anti-oil and acid-proof
- 止聚结液体重新混入气流，确保高效滤除 ● Preventing the accumulated liquid from re-mixing into the air flow, ensuring high efficient filtering

■ 防化学腐蚀的端盖用特制粘接剂粘接到介质上
Cover for the anti-chemical corrosion is attached to the medium with special bonding
- 不含硅树脂 ● Silicon resin excluded
- 可承受66℃高温 ● Withstanding a temperature of 66℃

(1) 过滤器效率按照CAG标准ADF400条确定，其计算基础是38℃进口气流温度。
Efficiency of the filters to be determined by CAG standard Article ADF400, which is calculated based on 38℃ of inlet temperature.
(2) 过滤器效率按照CAG标准ADF500条确定，其计算基础是38℃进口气流温度。
Efficiency of the filters to be determined by CAG standard Article ADF500, which is calculated based on 38℃ of inlet temperature.



C级 离心式油水分离器
Grade C Bulk Liquid Separator / Filter

适用于滤除大量液体和3微米大小的凝聚物（5ppm w/w最大残留油分含量）[1]
Intended for removal of large sum of liquid and condensation particles of 3 micrometers (5ppm w/w maximum residue oil content) [1]
- 双级过滤
- 第1级-两根不锈孔管，进行10微米机械分离
- 第2级-深层纤维介质滤除3微米的固态和液态颗粒
- Dual filtering
- 1st stage – 2 stainless orifice pipe, 10 micrometers mechanical separation
- 2nd stage – deep fiber medium to remove solid and liquid particles of 3 micrometers

T级 主管路过滤器
Grade T General Purpose Filter

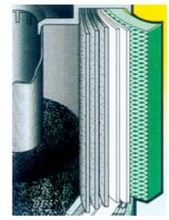
适用于滤除液态水和油；可滤除小至1微米的固态颗粒(1.0ppm w/w最大残留油分含量)[2]
Intended for removal of liquid water and oil; being able to remove solid particles of 1 micrometer
- 内 / 外滤芯皆防腐蚀
- 双级过滤
- 第1级-纤维介质和介质滤网交替叠层，滤除较大的颗粒
- 第2级-多层环氧树脂粘合混和纤维介质，聚结油雾和滤除固态颗粒
- Both inner/outer filter elements are anti-corrosive
- Dual filtering
- 1st stage – alternative layers of fiber medium and medium screen, to remove larger particles
- 2nd stage – multiple epoxy resin mixed with fiber medium, condensing oil mist and removing solid particles

A级 微油雾过滤器
Grade A High Efficiency Oil Removal Filter

适用于聚结细小的水汽和油雾；可滤除小至0.01微米的固态颗粒（0.01ppm w/w最大残留油分含量）[3]
Intended for condensation of fine vapor and oil mist; being able to remove solid particles of 0.01 micrometer (0.01ppm w/w maximum residue oil content)
- 内 / 外滤芯皆防腐蚀
- 双级过滤
- 第1级-多层纤维介质和介质滤网滤除较大的颗粒，在空气进入第三级过滤前进行预过滤
- 第2级-多层矩阵混合纤维介质，滤除极细小的凝聚物
- 外涂膜封闭式泡沫套筒
- Both inner/outer filter elements are anti-corrosive
- Dual filtering
- 1st stage – multiple layers of fiber medium and medium screens to remove larger particles, performing pre-filtering before air entering the 3rd stage filtering
- 2nd stage - multiple layers of matrix mixed fiber medium, removing extra fine condensation particles
- Outer coating and closed foam sleeve

AA级 超高效微油雾过滤器
Grade AA Ultra High Efficiency Oil Removal Filter

适用于聚结极细小的水汽和油雾；可滤除小至0.01微米的固态颗粒（0.001ppm w/w最大残留油分含量）[3]
Intended for condensation of fine vapor and oil mist; being able to remove solid particles of 0.01 micrometer (0.001ppm w/w maximum residue oil content)
- 内 外滤芯皆防腐蚀
- 双级过滤
- 第1级-涂膜封闭式泡沫套筒，进行过滤和气流分散
- 第2级-多层矩阵混合纤维介质，滤除极细小的凝聚物
- 外涂膜封闭式泡沫套筒
- Both inner/outer filter elements are anti-corrosive
- Dual filtering
- 1st stage – coated and closed foam sleeve filers and dispense the air flow
- 2nd stage – multiple layers of matrix mixed fiber medium, removing extra fine condensation particles
- Outer coating and closed foam sleeve



H级 除油除臭活性炭过滤器
H Grade Oil Vapor Removal Filter

适用于滤除活性炭通常可吸收的油蒸汽和碳氢化合物蒸汽；可滤除小至0.01微米的固态颗粒(0.003ppm w/w最大残留油分含量)[3]
Intended for removal of oil vapor and hydrocarbon vapor usually absorbed by activated carbon; being able to remove solid particles of 0.01 micrometer (0.003ppm w/w maximum residue oil content)
- 内 外滤芯皆防腐蚀
- 双级过滤
- 第1级-极精细的活性炭粉稳定层，可滤除绝大部份油蒸汽
- 第2级-多层纤维介质，粘合微精活性炭粉，可滤除残余的油蒸汽
- 多层精细介质，防止污染物源移
- 外涂膜封闭式泡沫套筒，防止纤维游移
- 在额定运行条件下，设计寿命可达到1000小时
- Both inner/outer filter elements are anti-corrosive
- Dual filtering
- 1st stage – ultra fine activated carbon powder layer, removing most of the oil vapor
- 2nd stage – multiple layers of fiber medium, bonding fine activated carbon powder to remove residue oil vapor
- Multiple fine medium, preventing pollutants from shifting
- Outer coating and closed foam sleeve to prevent the shifting of fiber
- Designed lifecycle up to 1000 hours under rated working condition

精密过滤器标准型号
Compressed Air Filters

Items 项 目 / 型 号 Models	空气流量(Nm³/min) Capacity	空气接管口径 Air Inlet/Outlet Connections	外形尺寸 HxW(mm) Outer dimension	滤芯型号 Filter element models	滤芯数量 Quantity of the filter elements	重量(Kg) Weight
HF Ⅱ - (级别) - 001	1.2	Rc1"	265x105	E(等级) - 16 - Ⅱ	1	1.22
HF Ⅱ - (级别) - 002	2.4	Rc1"	328x105	E(等级) - 20 - Ⅱ		1.33
HF Ⅱ - (级别) - 004	3.8	Rc1"	350x135	E(等级) - 24 - Ⅱ		2.28
HF Ⅱ - (级别) - 007	7	Rc1-1/2"	550x164	E(等级) - 32 - Ⅱ		4.04
HF Ⅱ - (级别) - 010	11	Rc1-1/2"	660x164	E(等级) - 36 - Ⅱ		4.62
HF Ⅱ - (级别) - 013	14	DN50/Rc2"	979/847 360/150	E(等级) - 40 - Ⅱ		46/6.66
HF Ⅱ - (级别) - 018	18	DN80/Rc2"	1149/847 360/150	E(等级) - 44 - Ⅱ		51/6.92
HF Ⅱ - (级别) - 022	22	DN80	1299x360	E(等级) - 48 - Ⅱ		54
HF Ⅱ - (级别) - 026	26	DN80	1346x420	E(等级) - 40 - Ⅱ	2	80
HF Ⅱ - (级别) - 035	35	DN80	1346x420	E(等级) - 44 - Ⅱ		80
HF Ⅱ - (级别) - 045	45	DN100	1356x420	E(等级) - 48 - Ⅱ		82
HF Ⅱ - (级别) - 054	54	DN125	1381x520	E(等级) - 44 - Ⅱ	3	112
HF Ⅱ - (级别) - 066	66	DN125	1381x520	E(等级) - 48 - Ⅱ		112
HF Ⅱ - (级别) - 088	88	DN125	1452x545	E(等级) - 48 - Ⅱ	4	153
HF Ⅱ - (级别) - 110	110	DN150	1503x685	E(等级) - 48 - Ⅱ	5	194
HF Ⅱ - (级别) - 132	132	DN150	1739x728	E(等级) - 48 - Ⅱ	6	236
HF Ⅱ - (级别) - 154	154	DN200	1800x750	E(等级) - 48 - Ⅱ	7	252
HF Ⅱ - (级别) - 200	200	DN200	1800x750	E(等级) - 48 - Ⅱ	9	300
HF Ⅱ - (级别) - 220	225	DN200	1800x750	E(等级) - 48 - Ⅱ	10	310
HF Ⅱ - (级别) - 250	250	DN250	1920x1000	E(等级) - 44 - Ⅱ	14	370
HF Ⅱ - (级别) - 300	300	DN250	2070x1000	E(等级) - 48 - Ⅱ	14	420

注：1．HF(Ⅱ)系列有铝壳过滤器和法兰过滤器，铝壳过滤器最大工作压力为1.6MPa；14立方（含14立方）以上
Note: 1. HF(II) series adopt aluminum shell filters and flange filters, with maximum working pressure of 1.6MPa for the aluminum shell filters; 14 cubic meters (inclusive) or above flow will encounter flange filters, with maximum working pressure of 1.0MPa.
2．滤芯最高工作温度为66℃（C级滤芯最高工作温度可达80℃）。
2. The highest working temperature for the elements is 66℃ (highest working temperature for class C elements is 80℃)
3．级别：代表C、T、 A、 AA、H五个级别。
3. Class: in total 5 classes - C, T, A, AA, H
4选配件：自动排水口、压差指示表、压差计。
4. Options: auto draining port, pressure indicator, pressure meter.
5．更大流量或特殊规格的过滤器请与汉粤公司联系。
5. for larger flow or special size of filters, please contact HANFILTER.

■ 确定流量： Determination of flow:

在压力不是0.7 Mpa时，若要确定最大流速，可从上表找出流速，然后乘以过滤器进气口最小压力相应的修正系统，切勿根据管道尺寸选择过滤器；应根据流量和运行压力进行选择。
When the pressure is other than 0.7 MPa, the maximum flow rate may be found from the above table, and then multiply with the correction factor of the corresponding filter inlet minimum pressure. DO NOT choose the filter based on the pipe size; it should be chosen based on the flow rate and the operation pressure.

进气口最小压力 Inlet minimum pressure	2	3	4	5	6	7	8	9	10	12	14	16	18	20	21
修正系数 Correction factor	0.38	0.50	0.62	0.75	0.87	1.00	1.12	1.24	1.37	1.62	1.86	2.11	2.36	2.61	2.73

HAD系列废油收集器(国家专利产品)
Condensate Separators

■ 特点：Features:

- 只要有使用压缩空气的地方，就有油水混合冷凝液的排放。
- 一套压缩空气系统内产生冷凝液的多少与空压机处理量、工况及安装条件有关，排放量范围可以从每月10升到10000升。例如一个处理量为5Nm³/min的空压机，排气压力为7kg/cm²，一天工作8小时，环境温度21℃，1.03bar，70%相对湿度，每天可产生30.4升冷凝液。
- 环保法规定，油冷凝液须从混合冷凝液中分离出来并适当处理后，水冷凝液方可排入下水道，达到国家对环境保护的要求。
- HAD系列废油收集器，只要选型合适，安装正确，就能可靠地除去混合冷凝液中的浮油冷凝液，由集油罐收集。经分离后的水冷凝液残油含量少于l0ppm，符合排放标准。

- Whenever there is compressed air, there will be discharge of oil-water mixture condensates.
- The amount of condensates produced inside a compressed air system will be correlated to the compressor capacity, working condition and installation, with the discharge volume range from 10 liters to 10,000 liters. For example, a 5Nm³/min capacity of compressor working under 7kg/cm² of discharging pressure, 8 hours per day, 21℃ ambient temperature, 1.03 bar, 70% RH, will produce 30.4 condensates per day.
- As per the environmental protection law, oil condensates must be separated from the mixture condensates and treated properly, after which the water condensates may be discharge into the sewage, so as to comply with the national requirements regarding the environmental protection.
- HAD series of waste oil collectors are able to remove floating oil condensates from the mixture condensates and collect them to the oil collector, as long as the type choosing and installation correct. After separation, the residue oil content in the water condensates is less than 10ppm, which complies with the discharge standard.

专利名称：一种废油水收集装置
专利号：ZL200720057811.0

■ 型号规格与性能参数 Models and Parameters

Items 项 目 / 型 号 Models	空气流量(Nm³/min) Capacity	水油混合物入口(R) Water-oil mixture inlet	排油接口(R) Oil discharge port	排水接口(R) Water discharge port	外形尺寸(mm) Outer dimension	重量(Kg) Weight
HAD-1	1.2	2x1/2"	1/2"	1/2"	300x300x480	27
HAD-3	3.2			1"	400x380x700	35
HAD-6	6.5				490x490x950	47
HAD-8	8.4	4x1/2"			540x540x1000	56
HAD-10	10.5				540x540x1000	65
HAD-20	21				750x500x1000	75
HAD-40	43		1"		1000x760x1200	83
HAD-50	54				1100x760x1300	96
HAD-60	65	4x1"			1300x800x1300	118

备注：表格中空气流量非容积。
Mark: Capacity in chart means air flow rate, not means oil-water mixture condensates volume.

HYG系列高效除油器
High Efficient Oil Vapor Remover

■ 产品特点： Features:

- 采用丝网机械过滤及汉克森滤芯双重除油，出口含油量≤0. 01ppm
- Mechanical wire screening and filter elements for dual removal of oil, with oil content in the outlet being ≤0. 01ppm

■ 工况条件与技术指标
Operational conditions and technology indicators

- 进气压力：0.2-l.0Mpa
- Inlet pressure: 0.6～1.0Mpa
- 进气温度：5℃-65℃
- Inlet temperature: 0-65℃
- 除水率：≥99.9%
- Dewatering rate: ≥99.9%
- 初始压降：≤0.007Mpa
- Initial pressure-drop: ≤0.007Mpa
- 出口气体含油量：≤0.0lppm
- Inlet air oil content: ≤0.0lppm

■ 型号规格与性能参数 Models and Parameters

Items 项 目 / 型 号 Models	空气处理量(Nm^3/min) Air processing capacity	空气接管口径 Air Inlet/Outlet Connections	排污口口径 Caliber of the discharging port	外形尺寸(mm) Outer dimension	重量(Kg) Weight
HYG-1	1.2	R1"	R1/2"	89x195x645	33
HYG-3	3.8	R1"	R1/2"	133x270x660	38
HYG-6	6.5	R1-1/2"	R1/2"	159x300x1275	47
HYG-10	10.7	R2"	R1/2"	219x360x1655	90
HYG-15	15	DN80	R1/2"	273x425x1555	155
HYG-20	20	DN80	R1/2"	273x425x1555	155
HYG-30	30	DN80	R1/2"	273x425x1555	165
HYG-40	40	DN100	R1/2"	325x460x1665	176
HYG-50	50	DN125	R1/2"	520X460X1855	230
HYG-60	60	DN125	R1/2"	529x730x1750	295
HYG-80	80	DN125	R1/2"	529x730x1900	310
HYG-100	100	DN150	R1/2"	529x730x2098	400
HYG-150	150	DN200	R1/2"	630x840x1950	460

HYF系列油水分离器
Oil-Water Separator

■ 产品特点： Features:

- 本系列油水分离器是空气压缩机的配套设备，能有效的去除压缩空气中的尘、水、油雾。
- This series of oil-water separators are to be used together with the air compressor, being able to remove effectively dust, water and oil vapor from the compressed air.

■ 工况条件与技术指标
Operational conditions and technology indicators

- 进气压力：0.6-1.0 Mpa
- Inlet pressure: 0.6-1.0 Mpa
- 进气温度：5℃-65℃
- Inlet temperature: 5-65℃
- 除水率：≥99.9%
- Dewatering rate: ≥99.9%
- 初始压降：≤0.005Mpa
- Initial pressure-drop: ≤0.005Mpa
- 出口气体含油量：≤10ppm
- Inlet air oil content: ≤10ppm
- 过滤孔径：5um
- Filtering orifice: 5um

■ 型号规格与性能参数 Models and Parameters

Items 项 目 / 型 号 Models	空气处理量(Nm^3/min) Air processing capacity	空气接管口径 Air Inlet/Outlet Connections	排污口口径 Caliber of the discharging port	外形尺寸(mm) Outer dimension	重量(Kg) Weight
HYF-1	1.2	R1"	R1/2"	245x133x530	27
HYF-3	3.8	R1"	R1/2"	245x133x530	27
HYF-6	6.5	R1-1/2"	R1/2"	245x133x571	29
HYF-10	10.7	R2"	R1/2"	335x219x1035	66
HYF-15	15	DN80	R1/2"	365x245x1019	80
HYF-20	20	DN80	R1/2"	390x273x1139	100
HYF-30	30	DN80	R1/2"	440x325x1180	120
HYF-40	40	DN100	R1/2"	500x377x1236	135
HYF-60	60	DN125	R1/2"	565x426x1480	150
HYF-80	80	DN125	R1/2"	670x516x1270	260
HYF-100	100	DN150	R1/2"	780x616x1760	350
HYF-150	150	DN200	R1/2"	870x716x1830	425
HYF-200	200	DN200	R1/2"	870x716x1850	450
HYF-250	250	DN250	R1/2"	910x740x1900	600
HYF-300	300	DN250	R1/2"	910x740x2210	640

自洁式空气过滤器

Self-Cleaning Pre-filter for air compressor

空气中含有大量的灰尘，会造成设备的磨损，使其工作寿命大大减短，灰尘中的有害化学成分会使设备生锈、腐蚀。因此，空气动力设备前必须要配高精度空气过滤器。HAD-SF系列自洁式空气过滤器是在国内外同类产品的基础上加以改进完善，控制系统采用本公司专利产品PLC控制器，目前已达到国内领先水平。

Air contains large amount of dust, which leads to the corrosion of the equipments and shortening the lifecycle. The harmful chemicals in the dust may rust or corrode the equipments. Therefore, the aerodynamic equipments must be installed with high precision filters. HAD-SF series of self-cleaning filters are enhanced on the basis of the foreign equivalent products, while the controlling system uses the proprietary PLC controllers of the company, reaching the top standards among the domestic competitors.

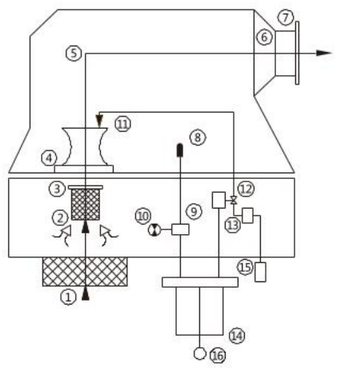
■ 产品特点： Features:

- 汉粤牌自洁式过滤器由智能分配器控制，自洁方式有三种，即(1)定时 (2)压差 (3)手动。
- HANFILTER self-cleaning filters are controlled by smart dispensers.
- And there are 3 types of self-cleaning:
- (1) Timing (2) Differential pressure (3) manual
- 汉粤牌自洁式过滤器可实现空气过滤元件的自动清洁，而设备照常运行，不影响空压机的工作。
- HANFILTER self-cleaning filters can achieve the self-cleaning of the air filtering elements while t过滤面积大，阻力小，流速低。
- Large filtering area, low resistance and low flow rate.he equipments keeps running regularly without disturbing the operation of air compressor.
- 可在相对湿度100%的条件下正常工作。
- Normal operation under 100% RH.
- 自动化程度高，可实现无人操作。
- Highly automatic, man-free operation.
- 过滤元件寿命长，在正常环境条件下，过滤元件使用寿命可达2年左右。
- Long lifecycle of filtering elements, with 2 years of service life of the elements under normal working condition.
- 设计合理，安装方便，快捷。
- Rational design, convenient and quick installation.

滤 芯

■ 产品结构 Self-cleaning filter construct

1、一个级粗过滤箱
1. Level 1 gross filtering case
2、高效过滤筒
2. Efficient filtering cartridge
3、密封垫圈
3. Gasket
4、文氏管
4. Venturi
5、净气室
5. Air cleaning room
6、集气口
6. Air collecting port
7、净气出口管
7. Clean air outlet
8、负压探头
8. Negative pressure probe
9、负压差控制仪
9. Negative pressure controller
10、负压差报警器
10. Negative pressure alarm
11、反吹气喷咀
11. Inverse blow nozzle
12、脉冲电磁阀
12. Pulse solenoid valve
13、油水分离器
13. Oil-water separator
14、控制仪
14. Controller
15、压缩空气入口
15. Compressed air inlet
16、电源插头
16. Power supply plug



■ 型号规格与性能参数 Models and Parameters

型号 Models / 项目 Items	量大空气过滤量 (Nm^3/min) Maximum air filtering volume	结构形式 Structure	初阻损(Pa) Initial resistance loss	过滤精度 um/效率% Filtering precision (Um/efficiency %)	消耗功率(W) Consumption power	电源 ACV/Hz Power Supply	反吹气量 m^3/min Inverse blowing volume	反吹气压 Mpa Inverse blowing pressure	外形尺寸(mm) Outer dimension	模块件数 Modules quantity	重量 Weight	出口管径 Pipe diameter of the outlet
HAD-80SF	80	单层 Single layer	≤150	≥1/99.96 ≥2/99.99 ≥3/100	100	220V 50Hz	0. 1	0. 45-0. 8	1550x1080x2850	1	0.9	306x3
HAD-100SF	100								1550x1280x2850		0.95	306x3
HAD-120SF	120								1550x1480x2850		1.0	306x3
HAD-160SF	160								1990x1480x2850		1.2	406x3
HAD-200SF	200								2430x1480x2850		1.3	457x3
HAD-240SF	240								1990x1920x2850		1.5	506x3
HAD-300SF	300								2870x1480x2850		1.7	608x4
HAD-360SF	360								2430x1920x2850		1.8	608x4
HAD-400SF	400								2870x1920x2850		1.9	608x4
HAD-480SF	480								2430x2320x2850		2.1	708x4
HAD-560SF	560								3340x1950x2850		2.4	708x4
HAD-640SF	640								3750x2320x2850		2.6	808x4
HAD-720SF	720								3750x2320x2850		2.6	808x4
HAD-800SF	800								4630x2320x2850		3.2	910x5
HAD-900SF	900		≤200		150		0. 2		5070x2320x2850		3.6	910x5
HAD-1000SF	1000								5510x2320x2850	1	3.9	910x5
HAD-1080SF	1080								4600x2800x2900		5.7	1010x5
HAD-1200SF	1200								5000x2800x3750		6.2	1010x5
HAD-1320SF	1320								5500x2800x3750		6.5	1110x5
HAD-1440SF	1440								6000x2800x3850		6.8	1110x5
HAD-1560SF	1560								6500x2800x3850		7.2	1210x5
HAD-1680SF	1680								6000x3200x3950		7.5	1210x5
HAD-1820SF	1820								6500x3200x3950		7.8	1310x5
HAD-1960SF	1960								7000x3200x4050		8.1	1310x5
HAD-2100SF	2100								7500x3400x4050		8.4	1310x5
HAD-2240SF	2240								7000x3400x4050		9.1	1410x5
HAD-2400SF	2400								7500x3200x4150		9.8	1410x5
HAD-2560SF	2560								8000x3400x4150		10.4	1516x8
HAD-2720SF	2720								8300x3400x4250		11	1516x8
HAD-2800SF	2800								8500x3400x4250		11.7	1516x8
HAD-3040SF	3040		≤250		200		0. 3		9000x3400x4300		12.4	1516x8
HAD-2880SF	2880	双层 Dual layer							4600x3400x6500	2	13.7	1616x8
HAD-3200SF	3200								5000x3400x6500		15.6	1616x8
HAD-3520SF	3520								5500x3400x6500		16.2	1716x8
HAD-3840SF	3840								6000x3400x6500		16.9	1816x8
HAD-4160SF	4160								6600x3400x6500		17.6	1920x10
HAD-4480SF	4480								7000x3400x6500		18.2	1920x10
HAD-4800SF	4800								7500x3400x6500		18.9	2020x10
HAD-5120SF	5120								8000x3400x6500		19.5	2020x10
HAD-5440SF	5440								8300x3400x6500		20.2	2020x10
HAD-5760SF	5760								8500x3400x6500		21	2120x10

HHL系列后部冷却器
Aftercoolers

■ 产品特点： Features:

- 本系列后部冷却器是空气压缩机的配套设备，能将压缩机产生的高温压缩空气进行冷却使空气中大部分水蒸汽冷凝后排出机外，以适合下游干燥设备的使用条件。水冷式后部冷却器以水作冷却介质，工作基本上不受环境温度影响，具有体积小，冷却效率高，使用方便等特点，适应于高温、高湿、重尘的环境。
- The series of aftercoolers are to be used together with the air compressors, being able to cool the thermal compressed air produced from the compressor. Most of the vapor inside the air will be condensate and discharged out of the machine, with the air complying with the application conditions of the downstream drying equipments. Water cooling after cooler uses the water as the medium, which is, basically not interfered by ambient temperature and featuring compact shape as well as high cooling efficacy and ease of use, adapting to hot, moisture and dusty environments.

■ 工况条件与技术指标（水冷型）
Operational conditions and technology indicators (Water cooling)

- 进气压力：0.6-1.0MPa
- Inlet pressure: 0.6-1.0MPa
- 进气温度：≤140℃
- Inlet temperature: ≤140℃
- 出气温度：≤45℃
- Outlet temperature: ≤45℃
- 冷却水进水温度：≤32℃
- Cooling water inlet temperature: ≤32℃
- 冷却水进水压力：0.2-0.4Mpa
- Cooling water inlet pressure: 0.2-0.4Mpa

■ 型号规格与性能参数 Models and Parameters

Items 项 目 / 型 号 Models	空气处理量 (Nm^3/min) Air processing capacity	冷却水循环量 (Nm^3/h) Cooling water cycling volume	空气接管口径 Air Inlet/Outlet Connections	排污口口径 Caliber of the discharging port	冷却水接口口径 Cooling water connector diameter	外形尺寸(mm) Outer dimension	重量(Kg) Weight
HHL-1W	1.2	0.5	R1"	R1/2"	R3/4"	208x108x1303	32
HHL-3W	3.8	0.9	R1"	R1/2"	R1"	259x159x1325	50
HHL-6W	6.5	1.8	R1-1/2"	R1/2"	R1-1/2"	295x159x1625	70
HHL-10W	10.7	3	R2"	R1/2"	R2"	419x219x1655	125
HHL-15W	15	4.5	DN80	R1/2"	R2"	445x245x1963	150
HHL-20W	20	6	DN80	R1/2"	R2"	473x273x1981	180
HHL-30W	30	9	DN80	R1/2"	R2"	525x325x2007	320
HHL-40W	40	12	DN100	R1/2"	R2"	677x377x2106	330
HHL-60W	60	18	DN125	R1/2"	R2"	677x377x2253	345
HHL-80W	80	24	DN125	R1/2"	R2-1/2"	677x377x2472	387
HHL-100W	100	30	DN150	R1/2"	R3"	778x478x2931	490
HHL-150W	150	43	DN200	R1/2"	R3"	830x529x3014	535
HHL-200W	200	58	DN200	R1/2"	R3-1/2"	860x564x2915	650
HHL-250W	250	74	DN250	R1/2"	R3-1/2"	900x630x3045	700
HHL-300W	300	88	DN250	R1/2"	R4"	900x630x3392	750

吸附式干燥机 Desiccant air dryers

■ 工作压力及入口温度修正系数（cf1） Working pressure and inlet temperature correction factors（cf1）

入口温度 Inlet temperature	工作压力（Bar） Working pressure						
℃	4	5	6	7	8	9	10
38	0.63	0.75	0.88	1	1.09	1.2	1.33
40	0.53	0.63	0.74	0.85	0.92	1.02	1.13
42	0.47	0.56	0.66	0.75	0.81	0.9	0.99
45	0.37	0.45	0.52	0.6	0.65	0.72	0.79

干燥器公称流量=待处理气量（空压机排气量）/cf1
Air Capacity of dryers=Actually air flow（compressor air flow rate）/cf1

冷冻式干燥机 Refrigerated Compressed air dryers

■ 工作压力及入口温度修正系数（cf1） Working pressure and inlet temperature correction factors（cf1）

入口温度 Inlet temperature	工作压力（Bar） Working pressure						
℃	4	5	6	7	8	9	10
38	0.8	0.88	0.92	1	1.05	1.08	1.1
40	0.76	0.83	0.87	0.95	0.99	1.02	1.04
42	0.7	0.77	0.8	0.88	0.92	0.95	0.96
45	0.64	0.7	0.73	0.8	0.84	0.86	0.88

■ 环境温度修正系数 Ambient temperature correction factors（cf2）

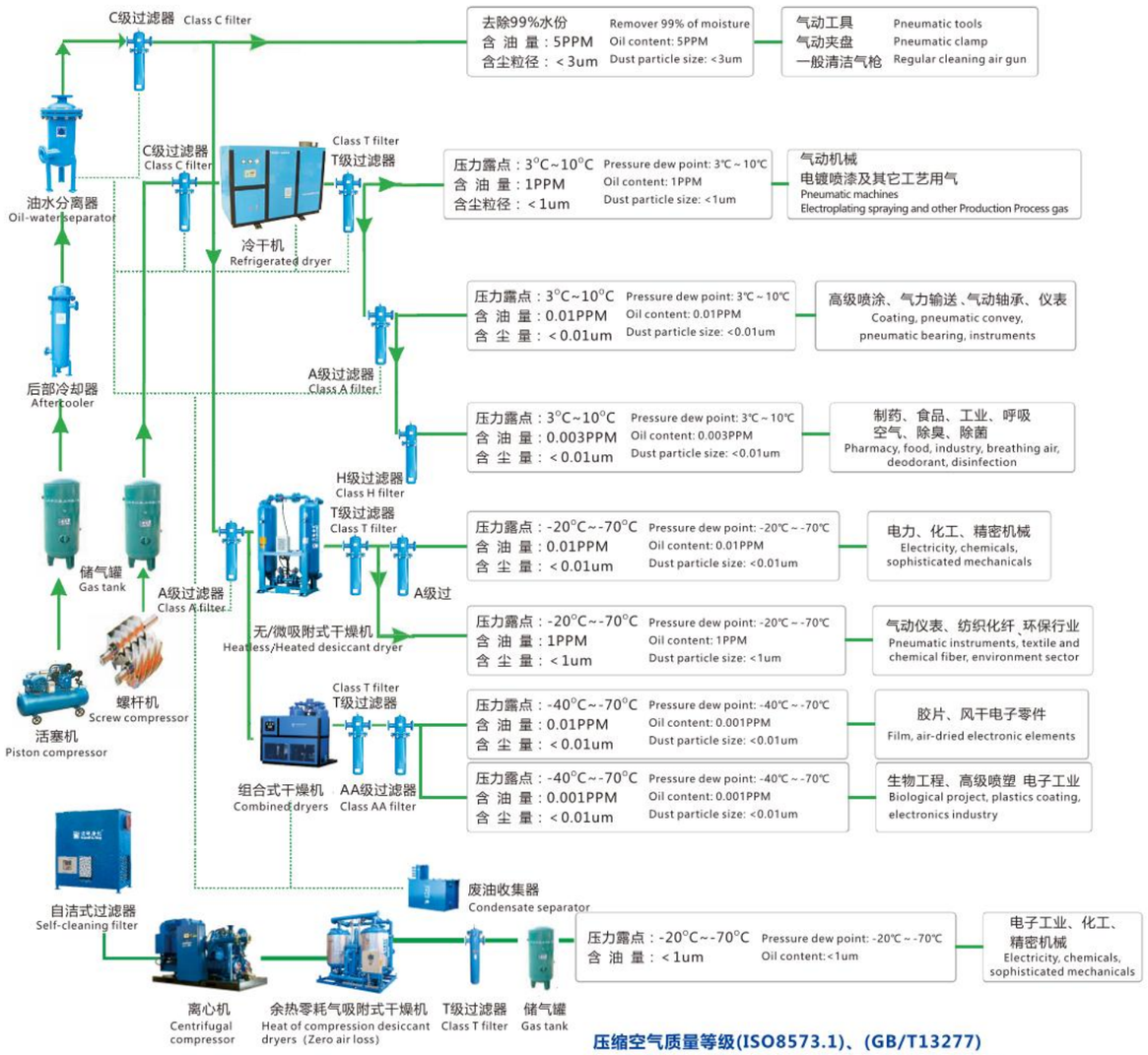
环境温度(℃) Ambient temperature	25	30	35	38	40	45
修正系数 Correction factors	1.12	1.08	1.03	1	0.92	0.8

■ 冷却水修正系数（cf3） Cooling water correction factors

冷却水温度(℃) Cooling water temperature	20	25	32	35	40
修正系数 Correction factors	1.17	1.09	1	0.92	0.84

干燥器公称流量=待处理气量（空压机排气量）/cf1/cf2/cf3
Air Capacity of dryers=Actually air flow（compressor air flow rate）/cf1/cf2/cf3

汉粤净化压缩空气净化系统配置图
HANFILTER compressed air filtering system configuration



注：A、以上配置仅供参考，具体配置可按实际情况作相应调整.
B、冷干机一般安装于后部冷却器或缓冲贮气罐之后，以免其超负荷工作及其脉冲气流的冲击。
C、为降低对机组内换热器的污染，冷干机前部应配置一个前置主管路过滤器。
D、冷干机进出应安装旁通阀。
E、冷干机四周应留有不小于1m通道，以便通风散热和检修。

A. The above configuration is for reference only. For detailed configuration, please adjusted as per the actual situation.
B. Cooling dryers are generally installed behind the aftercoolers or the buffering air tanks, to avoid overload or impact from the pulse air flow.
C. To reduce the contamination of the heat exchanger inside the machine, the cooling dryers shall be equipped with a pre-set main pipe for the filters.
D. Cooling dryers shall be installed with by-passing valve for inlet and outlet.
E. There shall be 1m passage around the cooling dryers to facilitate the ventilation and servicing.

压缩空气质量等级(ISO8573.1)、(GB/T13277)
Compressed air quality level (IS08573.1), (GB/T13277)

质量等级	因态污染特(颗粒尺寸最大微米数)	最大压力露点(°C)	最高油分含量(油滴、油雾和油汽) ppm w/w [mg/m3]	
1	0.1	-70	0.008	[0.01]
2	1	-40	0.08	[0.1]
3	5	-20	0.8	[1]
4	15	3	4	[5]
5	40	7	21	[25]
6	-	10	-	-

我们的承诺 Our promises

根据用户选购的产品规格型号提供《使用说明》。只要用户需求设备技术上的帮助及咨询，公司或当地指定代理商将在24小时内准确予以答复或无偿提供有关技术资料。
To provide the instruction for the product models purchased by the users. As soon as the users require for help and advice in terms of the equipment technical issues, the company and the local designated agent will provide free of charge the accurate response and relevant technical documentations within 24 hours.

我公司对售出产品提供一年的保修服务。
From the date of acceptance, our company will provide 1 year of warranty.

在保修期内，公司或当地指定代理商在接到用户设备故障的通报后，将在24小时内给予回应，提供最快处理方案，并及时处理。
During the warranty period, the company and the local designated agent may, within 24 hours after receiving the trouble report from the users, respond and provide solutions at the soonest and handle accordingly.

在保修期内，对设备中的非易损件，在正常使用情况下损坏或失效，均免费更换。
During the warranty period, those other than consumables, if damaged or failed under regular conditions, will be exchanged for free.

正常运行之日起，公司或当地指定代理商将定期对用户进行电话随访，及时了解设备运行状态，有效的解答用户在设备运行中的疑问，并提出相应需改进的维护、保养建议，以保证设备长期正常运行。
From the date of normal operation, the company and the local designated agent may perform telephone follow-up to understand the running status of the equipment in a timely manner, giving answers to the users regarding the equipment issues and provide necessary maintenance and care suggestion, as so to guarantee the long-term running of the equipments.

当设备需要更换消耗品、易损件，只需用户按"售后服务资料"的要求，告知机型、型号规格、代号，保证在24小时内给予回应，将以最快的速度、合理的价格为用户服务。
When consumables and spares are required for the equipments, the users just need to proceed as per the "after-sales documents" and inform the model, type and specification codes, these consumables and spares are guaranteed to be supplied within 24 hours, serving the users with reasonable speed and price.

我们推出"设备2至10年定期维护协议"服务，用户可选择一次性买断方式或年缴方式，即在签定年限内用户不用在设备上投入任何运行维护费用，用户只需正常使用和更换公司定期提供的备件，同时公司或当地指定代理商定期到用户现场对设备进行检测，确保设备年复一年的正常运行。其费用由双方另行商定。
We are now promoting "2 – 10 years of periodic maintenance agreement". In this way, the users may choose to pay one-off or to pay annually to enjoy the maintenance service, where the users will not expense any money on the equipment maintenance while using the regular spares supplied by the companies, and the company or the designated agent will visit the users' site periodically for equipment testing. In this way, the equipments are guaranteed smooth running year after year. The costs will be negotiated in between the two parties.

我公司在全国设有28个服务网点，为本行业目前最大的服务网络，为广大客户提供最便捷、最优质的售前、售中和售后服务，让客户满意是汉粤净化的永恒追求。
Our company has established 28 service sites, which forms the largest service network in the whole industry , providing vast majority of customers with fastest and quality pre-sales, sales and after-sales services. Customers satisfactions are the ultimate goal of HANFILTER.

环保 · 节能 · 高效 · 领先
Environment Energy Efficiency State-of-Art

中美技术合作之精品

汉粤净化® HANFILTER

汉粤客户现场
Hanfilter Customer Site






















电子行业 Electron industry

电力行业 Electric-power industry

家电行业 Household electrical appliance industry

航空航天 Aircraft industry

钢铁行业 Iron and steel industry

机械工业 Machinery industry

汽车行业 Automotive industry

饮料食品行业 Beverage and food industry

汉粤部分客户（以下排名不分先后）

- 国家电力投资集团有限公司
- 中国国电集团有限公司
- 燕京啤酒股份有限公司
- 华泰集团有限公司
- 中国五矿股份有限公司
- 国宝武钢铁集团有限公司
- 东风汽车集团有限公司
- 上海电气（集团）有限公司
- 哈尔滨啤酒集团公司
- 玖龙纸业有限公司
- 广东美的电器股份有限公司
- 江苏沙钢集团有限公司
- 长城汽车股份有限公司
- 广东省粤电集团有限公司
- 四川郎酒集团有限责任公司
- 广州造纸股份有限公司
- 珠海格力电器股份有限公司
- 河钢集团有限公司
- 一汽轿车股份有限公司
- 中航工业空气动力研究院
- 广州珠江啤酒集团有限公司
- 维达纸业有限公司
- 中国广核电力股份有限公司
- 鞍山钢铁集团公司
- 青岛海尔股份有限公司
- 江西洪都航空工业集团有限责任公司
- 广州汽车工业集团有限公司
- 中国贵州茅台酒厂有限责任公司
- 三一重工股份有限公司
- 攀钢集团
- 华润电力控股有限公司
- 中航工业成都发动机（集团）有限公司
- TCL集团股份有限公司
- 五粮液集团有限公司
- 吉利汽车集团
- 首钢集团有限公司
- 徐州工程机械集团有限公司
- 昌河飞机工业(集团)有限责任公司
- 北京国华电力有限责任公司
- 山西汾酒股份有限公司
- 广东格兰仕集团有限公司
- 太原钢铁(集团)有限公司
- 郑州宇通集团有限公司
- 沈阳飞机设计研究所
- 厦门厦工机械股份有限公司
- 泸州老窖集团有限责任公司
- 达利食品集团有限公司
- 山东钢铁集团有限公司
- 中国电力建设集团有限公司
- 沈阳飞机制造公司
- 四川长虹电器股份有限公司
- 陕西省凤翔县西凤酒厂
- 广汽日野汽车有限公司
- 马钢(集团)控股有限公司
- 广西柳工集团有限公司
- 成都飞机制造公司
- 伊利实业集团股份有限公司
- 四川剑南春集团有限责任公司
- 国家能源投资集团有限责任公司
- 湖南华菱钢铁股份有限公司
- 海信集团有限公司
- 广汽丰田汽车有限公司
- 统一企业有限公司
- 江苏洋河酒业股份有限公司
- 中联重科股份有限公司
- 本钢集团有限公司
- 蒙牛乳业（集团）股份有限公司
- 东风日产乘用车公司
- 国家电力投资集团有限公司
- 北京红星股份有限公司
- 创维集团有限公司
- 中国中钢集团有限公司
- 华润怡宝饮料（中国）有限公司
- 广汽本田汽车有限公司
- 广西玉柴机器集团有限公司
- 安徽古井贡酒股份有限公司
- 东鹏饮料(集团)股份有限公司
- 唐山钢铁股份有限公司
- 浙江苏泊尔股份有限公司
- 海马汽车股份有限公司
- 农夫山泉股份有限公司
- 青岛啤酒股份有限公司
- 潍柴动力股份有限公司
- 广州钢铁企业集团有限公司
- 海南火山岩矿泉水有限公司
- 比亚迪汽车有限公司
- 富士康科技集团
- 香港生力啤酒有限公司
- 屈臣氏饮用水有限公司
- 广东韶钢松山股份有限公司
- 广州广重企业集团有限公司
- 北汽集团
- 中粮集团有限公司
- 河南金星啤酒集团有限公司
- 奥克斯集团有限公司
- 中国铝业股份有限公司
- 景田矿泉水有限公司
- 菲亚特汽车公司
- 中国铁建重工集团有限公司
- 山东晨鸣集团股份有限公司
- 中国华能集团有限公司
- 5100西藏冰川矿泉水有限公司
- 中铁隧道装备制造有限公司
- 中国大唐集团有限公司
- 中国华电集团有限公司
- 达能食品饮料有限公司
- ……