

- 加气站压缩机 GAS STATION COMPRESSOR
- 天然气压缩机 NATURAL GAS COMPRESSOR
- 特种气体压缩机 SPECIALTY GAS COMPRESSOR
- 卸车压缩机 UNLOADING COMPRESSOR
- 中高压压缩机 MEDIUM AND HIGH PRESSURE COMPRESSOR

蚌埠市联合压缩机制造有限公司

BENGBU UNITED COMPRESSOR MANUFACTURING CO., LTD



# 公司及主要产品介绍

INTRODUCTION OF COMPANY AND MAIN PRODUCT

# 公司介绍

## COMPANY INTRODUCTION

蚌埠市联合压缩机制造有限公司成立于2002年，是一家专注于各类压缩机设计研发、生产制造、销售服务为一体的高新技术企业。联合坚持走专业化，特色化，高端化，品牌化发展之路，为客户提供最佳的智能解决方案。主要产品有CNG、天然气、沼气、煤层气、BOG、氨气、氮气、油田气、富气等特殊气体压缩机，用于回收、集气、注气、扫线及石油化工工艺流程的稳压、压缩及输送。

联合专注于设备的制造和研发，充分借鉴国内外先进技术，自主研发了多个系列主产品，取得了16项国家专利技术，荣获"省著名商标"的荣誉，在银行、税务系统中的信用等级为 "A" .

Founded in 2002, Bengbu United Compressor Manufacturing Co., Ltd. is a high-tech enterprise specializing in the design, research and development, manufacturing, sales and service of a variety of compressors. The company adheres to the development way of specialization, characteristics, high-end orientation and branding, targeting at providing its customers with the best intelligent solutions. Its main products are compressors of CNG, natural gas, biogas, coalbed methane, BOG, ammonia, nitrogen, oil field gas, rich gas and other special gas, which are used for recovery, gas collection, gas injection, scanning line and pressure stabilization, compression and transportation of petrochemical process.

Bengbu United focuses on the manufacturing and R&D of equipment, makes full use of advanced technologies at home and abroad, independently develops several series of main products, obtains 16 national patented technologies, and has won the honor of "provincial famous trademark" The credit rating in the tax system is "a" ".

# 公司介绍

## COMPANY INTRODUCTION

蚌埠市联合压缩机制造有限公司深入践行中国制造2025用技术与服务助力制造型企业智能化升级，在互联网+和工业4.0双核驱动下，联合将基于工业互联网时代的重大需求，构建全渠道多元化的销售模式。我厂本着“以质求生，以严求精，以诚求信”的原则，一如既往的为客户提供全优产品。为便于广大用户、设计院、安装单位设计选购安装，提供更完善的售后服务，我厂设有销售专线电话：0552-4190088/4190089。欢迎您来电咨询。

Bengbu United Compressor Manufacturing Co., Ltd will go deep into the farewell ceremony of made in China 2025 and use technology and services to help manufacturing enterprises upgrade intelligently. Under the dual core convergence of Internet + and industry 4.0, United will build a comprehensive and diversified sales authorization based on the major needs of the industrial Internetera. Our factory adheres to the principle of "survive by quality, strive for refinement by strictness, and seek trust by sincerity", and continues to serve customers as always. Provide full-quality products. In order to facilitate the majority of users, design institutes, and installation units to design, purchase and install, and provide better after-sales service, our factory has a sales hotline: 0552-4190088/4190089. Welcome to inquire.

# 公司架构

## COMPANY STRUCTURE

总经理  
Managing director

副总经理  
Deputy General Manager

总(副)工程师  
Chief (deputy) engineer

总经理助理  
General Manager Assistant

综合办公室  
Integrated office

财务部  
Finance Department

质检部  
Quality Inspection Department

人力资源部  
Human Resources Department

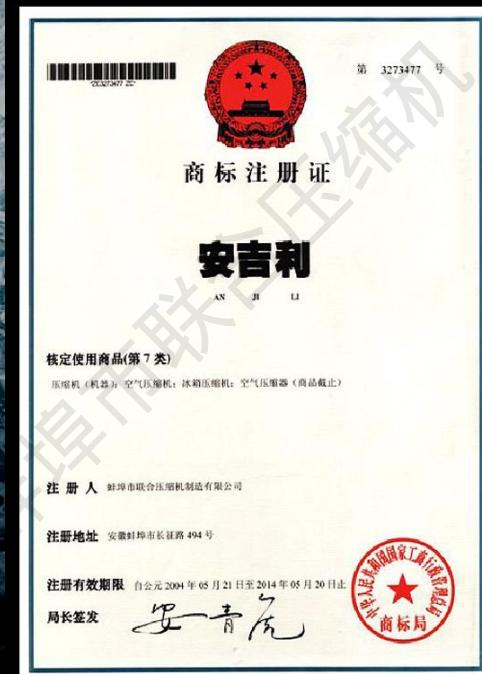
生产部  
Production Department

物资管理部  
Material Management Department

技术部  
Technical Department

销售部  
Sales Department

生产部  
Production Department



中国海油·采办业务系统  
China National Offshore Oil Corporation - Procurement Platform

首页 | 我的工作台 | 需求管理 | 档案管理 | 准入管理 | 供应商沟通管理 | 退出管理 |

供应商信息

供应商名称	蚌埠市联合压缩机制造有限公司	供应商档案状态	活动
系统功能状态	功能正常		

用户信息

姓名	徐辉	联系电话	13033011866
邮箱地址	xh13033011866@163.com		

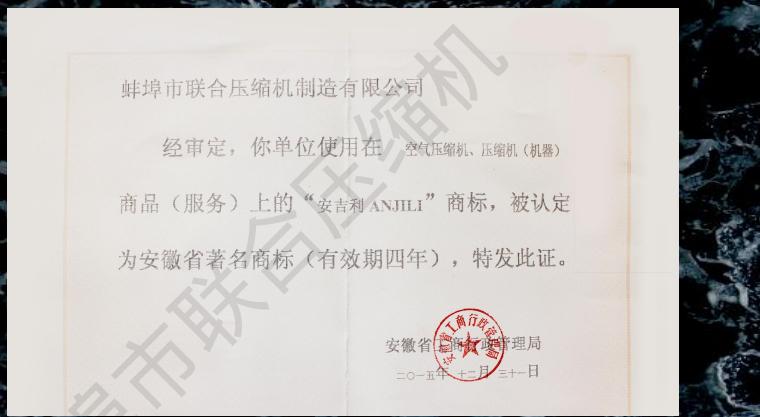
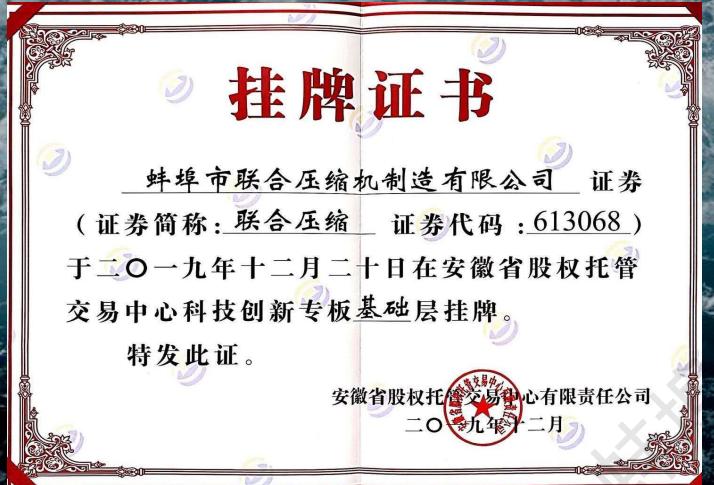
入库单位

入库单位	业务状态	产品类别	等级
1 中海石油炼化有限责任公司	无	A370303 活塞式压缩机	
2 中海石油炼化有限责任公司	合格	A3703 压缩机	潜在

# 资质证书

## QUALIFICATION CERTIFICATE

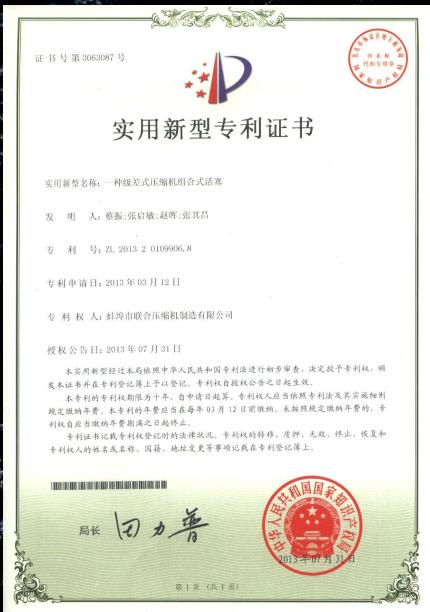
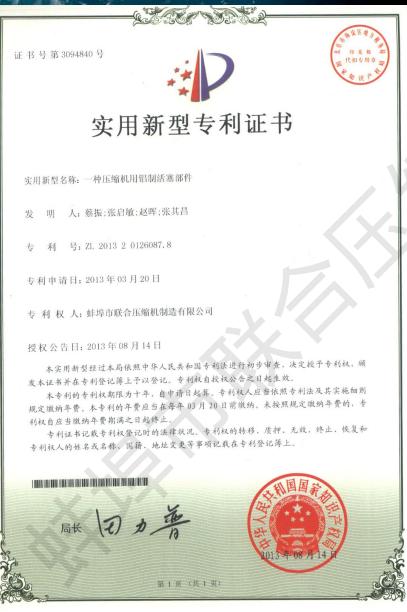




# 资质证书

## QUALIFICATION CERTIFICATE

# 专利 PATEN



# 合作伙伴

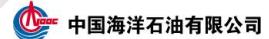
## Partners

### 全球营销战略

在竞争激烈的国际市场中，蚌埠联合以打造全球战略为目标，积极推进技术和管理创新，优化海外经营模式，培育了一支适应全球市场变化和海外经营业务发展的高素质、复合型人才队伍，在更大范围、更广领域和更高层次上参与全球市场的合作与竞争，不断增强企业的国际竞争力，实现企业的发展与腾飞。

### Global Marketing Strategy

In the fiercely competitive international market, Bengbu United aims to build a global strategy, actively promote technological and management innovation, optimize overseas business models, and cultivate a high-quality and compound talent team that adapts to global market changes and overseas business development., participate in the cooperation and competition in the global market on a larger scale, in a wider field and at a higher level, continuously enhance the international competitiveness of the enterprise, and realize the development and take-off of the enterprise.



# 产品质量控制、售后服务

## Product quality control, after-sales service

获得多项国家专利证书

银行和税务系统中，信用等级为“**A**”

**2016**年获得中石油、中石化、中海油入网证明

**2019**年获得**ISO**证书，**2024**年完成**GT/T19001-2016/ISO9001:2015**质量管理体系认证、**GB/T45001-2020/ISO45001:2018**版职业健康安全管理体系认证证书、**GB/T24001-2016/ISO14001:2015**版环境管理体系认证证书的新标准转换工作。

In the banking and tax system, the credit rating is "A".

In 2016, got the network access license of PetroChina, Sinopec and CNOOC.

In 2019, obtained the ISO certificate. In 2024, completed the GT/T19001-2016/ISO9001:2015 quality management system certification, GB/T45001-2020/ISO45001:2018 version of the occupational health and safety management system certification, GB/T24001-2016/ISO14001:2015 version of the environment New standard conversion work for management system certification.

公司设有质量控制中心，针对“研发设计、物料采购、生产制造、品质检验、市场销售与售后服务”等整个流程，制定了系统规范的“质量手册、程序文件、管理制度、操作规程、实施细则”等具体书面文件及程序，有效的保证了公司产品的品质。

The company has a quality control center. For the entire process of "R&D design, material procurement, manufacturing, quality inspection, market sales and after-sales service", it has formulated a systematic and standardized "quality manual, program documents, management system, operating procedures, implementation. "Detailed Rules" and other specific written documents and procedures effectively ensure the quality of the company's products.

# 售后服务团队

After-sales service team

联合售后工程师都接受过公司内部严格的培训，都具有5年以上压缩机设备安装、调试、保养、大修、故障排除等丰富的现场施工服务经验。长期专人售后，联合无忧服务

All of the joint after-sales engineers have received strict training within the company, and have more than 5 years of experience in on-site construction services such as compressor equipment installation, commissioning, maintenance, overhaul, and troubleshooting. Long-term dedicated after-sales, joint worry-free service.



## 主要产品

### Major products

CNG压缩机

CNG compressor

特种气体压缩机

Special gas compressor

天然气体压缩机

Natural gas compressor

卸车压缩机

Unloading compressor

中高压压缩机

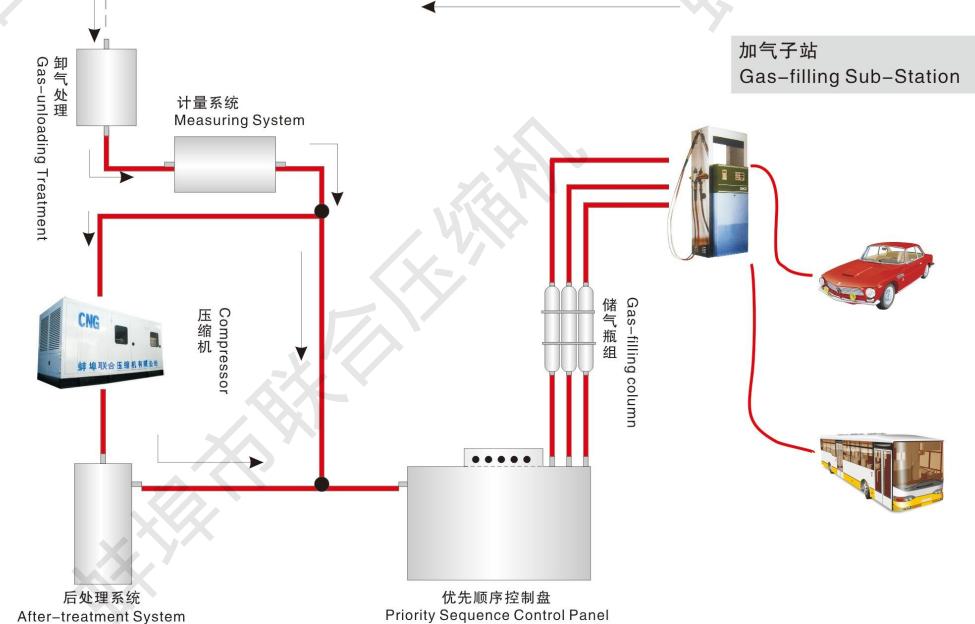
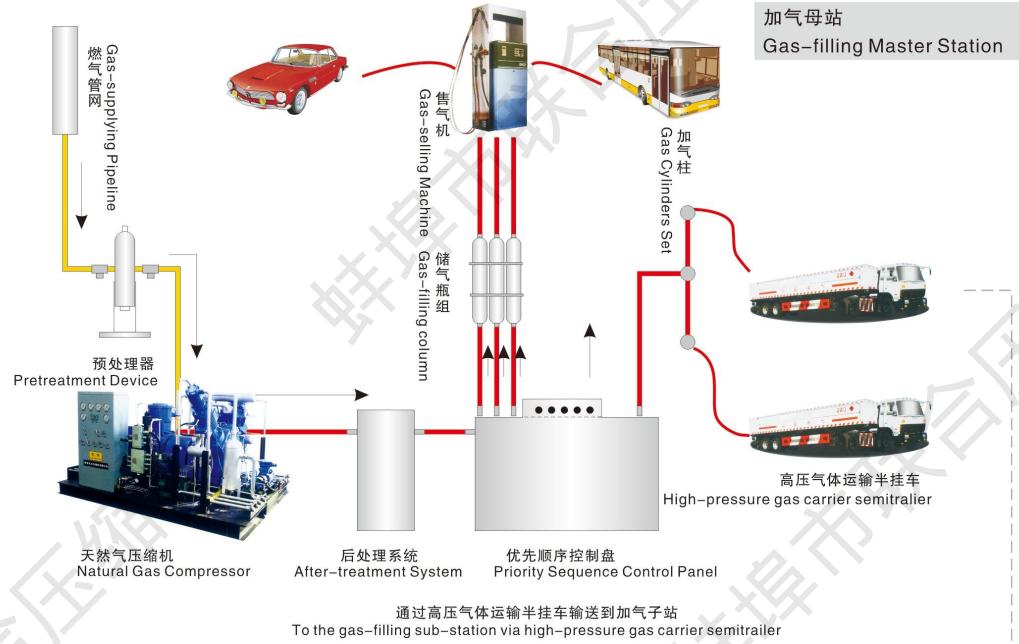
Special gas compressor

# CNG压缩机

## CNG compressor

**CNG**加气站的主要设备由压缩机组、计量装置、气体净化干燥器、储气装置、充气顺序控制盘、加气柱、售气机等组成。根据功用的不同可分为标准站、加气母站和加气子站**3**种类型。

The main equipment of CNG gas filling station is composed of compressor unit, metering device, gas purification dryer, gas storage device, gas charging sequence control panel, gas charging column, gas vending machine, etc. According to the different functions, it can be divided into three types: Standard Station, Gas-filling Master Station and Gas-filling Sub-Station.



我公司自行研制开发的天然气充瓶压缩机，采用先进可靠的零部件，应用先进的设计方法精心设计而成。主要零部件（活塞环、气阀等）采用世界著名品牌贺尔碧格公司的产品，具有效率高、可靠性强、自动化程度高、易损件寿命长、振动小、噪音低、操作维护方便等特点。产品主要用于加气母站、子站用天然气压缩机。供气量从300Nm<sup>3</sup>/h~4000Nm<sup>3</sup>/h，进气压力从0.05Mpa~2.0Mpa，排气压力25Mpa，可根据客户要求做成风冷或水冷，整体结构可做固定式、撬装式，也可做成隔音方舱式。

our company developed the natural gas bottle filling compressor ,it is designed with advanced and reliable components and advanced design methods. The main components (piston rings, air valves, etc.) adopt the products of the world famous brand HOERBIGER, which have the advantages of high efficiency, strong reliability, high degree of automation, long life of wearing parts, small vibration, low noise, and convenient operation and maintenance. The products are mainly used for natural gas compressors for Gas-filling Master Station and Gas-filling Sub-Station. The air supply volume is from 300 Nm<sup>3</sup>/h to 4000 Nm<sup>3</sup>/h, the inlet pressure is from 0.05 Mpa to 2.0 Mpa, and the outlet pressure is 25 Mpa. It can be air-cooled or water-cooled according to customer requirements. The overall structure can be stationary, skid-mounted, or soundproof cabin.

# CNG压缩机-CNG标准站压缩机

CNG compressor-CNG Standard Station compressor



机器型号 type	MF-4.2/(3-5)-250型
压缩气体 compressed medium	天然气 Natural Gas
流量 flow rate	4.2m <sup>3</sup> /min
吸气压力 inlet pressure	0.3-0.5MPa
排气压力 outlet pressure	25MPa

# CNG压缩机-CNG标准站压缩机

CNG compressor-CNG Standard Station compressor



机器型号 type	D-0.61/(5-16)-250型
压缩气体 compressed medium	天然气 Natural Gas
流量 flow rate	0.61 m <sup>3</sup> /min
吸气压力 inlet pressure	0.5-1.6 MPa
排气压力 outlet pressure	25 MPa

# CNG压缩机-CNG子站压缩机

CNG compressor-CNG sub-station compressor



机器型号 type	VF-0.32/(30-200)-250型
压缩气体 compressed medium	天然气 Natural Gas
流量 flow rate	0.32m <sup>3</sup> /min
吸气压力 inlet pressure	3-20MPa
排气压力 outlet pressure	25MPa

# CNG压缩机

CNG compressor



机器型号 type	D-0.95/(15-17)-250型
压缩气体 compressed medium	天然气 Natural Gas
流量 flow rate	0.95 m <sup>3</sup> /min
吸气压力 inlet pressure	1.5-1.7 MPa
排气压力 outlet pressure	25 MPa

# CNG压缩机

CNG compressor



机器型号 type	VF-1.4/(5-7)-250型
压缩气体 compressed medium	天然气 Natural Gas
流量 flow rate	1.4 m <sup>3</sup> /min
吸气压力 inlet pressure	0.5-0.7 MPa
排气压力 outlet pressure	25 MPa

# 特种气体压缩机

Special gas compressor



机器型号 type	MW-15.2/(0.1-0.15)-40型
压缩气体 compressed medium	BOG
流量 flow rate	15.2 m <sup>3</sup> /min
吸气压力 inlet pressure	0.01-0.015 MPa
排气压力 outlet pressure	4.0 MPa

# 特种气体压缩机

Special gas compressor



机器型号 type	MWF-18.7/(0.3-0.5)-45型
压缩气体 compressed medium	伴生气 Associated gas
流量 flow rate	18.7 m <sup>3</sup> /min
吸气压力 inlet pressure	0.03-0.05 MPa
排气压力 outlet pressure	4.5 MPa

# 特种气体压缩机

Special gas compressor



机器型号 type	DW-4.1/(0.2-12.7)-(3.2-15.7)型
压缩气体 compressed medium	丙烷 Propane
流量 flow rate	4.1 m <sup>3</sup> /min
吸气压力 inlet pressure	0.02~1.27 Mpa
排气压力 outlet pressure	0.32~1.57 Mpa

# 特种气体压缩机

Special gas compressor



机器型号 type	ZW-0.48/5-25型
压缩气体 compressed medium	氮气 Nitrogen
流量 flow rate	0.48 m <sup>3</sup> /min
吸气压力 inlet pressure	0.5 Mpa
排气压力 outlet pressure	2.5 Mpa

# 特种气体压缩机

Special gas compressor



机器型号 type	ZW-3.0/10-15型
压缩气体 compressed medium	正丁烷 N-butane gas
流量 flow rate	3.0 m <sup>3</sup> /min
吸气压力 inlet pressure	1.0 Mpa
排气压力 outlet pressure	1.5Mpa

# 特种气体压缩机

Special gas compressor



机器型号 type	DW-11/(0.05-0.2)-18型
压缩气体 compressed medium	混合气 mixed gas
流量 flow rate	11 m <sup>3</sup> /min
吸气压力 inlet pressure	0.005~0.02 Mpa
排气压力 outlet pressure	1.8 Mpa

# 特种气体压缩机

Special gas compressor



机器型号 type	DW-4/10-15型
压缩气体 compressed medium	混合碳四 Mixed Carbon IV
流量 flow rate	4.0 m <sup>3</sup> /min
吸气压力 inlet pressure	1.0 Mpa
排气压力 outlet pressure	1.5 Mpa

# 特种气体压缩机

Special gas compressor



机器型号 type	DW-4.7/(0.02-0.04)-23型
压缩气体 compressed medium	氢气 Hydrogen Gas
流量 flow rate	4.7 m <sup>3</sup> /min
吸气压力 inlet pressure	0.002~0.004 Mpa
排气压力 outlet pressure	2.3 Mpa

# 特种气体压缩机

Special gas compressor



机器型号 type	ZW-2.58/0.3-5型
压缩气体 compressed medium	氧气 oxygen gas
流量 flow rate	2.58 m <sup>3</sup> /min
吸气压力 inlet pressure	0.03 Mpa
排气压力 outlet pressure	0.5 Mpa

# 特种气体压缩机

Special gas compressor



机器型号 type	DW-2.4,(18-25)-50型
压缩气体 compressed medium	原料气 raw gas
流量 flow rate	2.4 m <sup>3</sup> /min
吸气压力 inlet pressure	1.8-2.5 MPa
排气压力 outlet pressure	5.0 MPa

# 天然气体压缩机

Natural gas compressor



机器型号 type	DW-3/ (15-52) -50型
压缩气体 compressed medium	天然气 Natural Gas
流量 flow rate	3m <sup>3</sup> /min
吸气压力 inlet pressure	1.5~5.2MPa
排气压力 outlet pressure	5MPa

# 天然气体压缩机

Natural gas compressor



机器型号 type	VW-3.5/1-18型
压缩气体 compressed medium	天然气 Natural Gas
流量 flow rate	3.5m <sup>3</sup> /min
吸气压力 inlet pressure	0.1MPa
排气压力 outlet pressure	1.8MPa

# 天然气体压缩机

Natural gas compressor



机器型号 type	VWF-9/0.05-14型
压缩气体 compressed medium	天然气 Natural Gas
流量 flow rate	9 m <sup>3</sup> /min
吸气压力 inlet pressure	0.005 Mpa
排气压力 outlet pressure	1.4 Mpa

# 天然气体压缩机

Natural gas compressor



机器型号 type	VWF-9/0.05-14型
压缩气体 compressed medium	天然气 Natural Gas
流量 flow rate	9 m <sup>3</sup> /min
吸气压力 inlet pressure	0.005 Mpa
排气压力 outlet pressure	1.4 Mpa

# ZW-CZW系列液化石油气压缩机

## ZW-CZW Series LPG Compressors

整体集装结构不需另配附属设备的高效节能型成套机组，操作方便，易维护，产品排气量0.2m<sup>3</sup>/min~10m<sup>3</sup>/min，排气压力从0.8MPa-2.6MPa。可满足不同地区不同季节的三级站、二级站、火槽、码头、加气站、工业站、炼厂的装卸、输送、冲装、工艺增压等不同工况的需求。

本系列压缩机还可用于乙烷、乙烯、丙烷、丙烯、丁烷、丁烯、二甲醚、二氟乙烷等低沸点的气液两相共存物质的装卸和储配作业。

采用最新一代PLC控制系统，远距离触摸屏显示及监控，使压缩机运行更加安全可靠。监控项目有:进气压力超高或偏低报警并停机;油压偏低报警并停机;各级排气温度报警并停机;水压偏低报警并停机;电机过载报警并停机。

The overall container structure does not need additional auxiliary equipment for high-efficiency and energy-saving complete sets of units, easy to operate, easy to maintain, product exhaust volume 0.2m<sup>3</sup>/min~10m<sup>3</sup>/min, exhaust pressure from 0.8MPa-2.6MPa. It can meet the needs of loading and unloading, conveying, flushing, process pressurization and other different working conditions of tertiary stations, secondary stations, fire tanks, docks, gas filling stations, industrial stations and refineries in different regions and seasons, product exhaust volume 0.2m<sup>3</sup>/min~10m<sup>3</sup>/min, exhaust pressure from 0.8MPa-2.6MPa. It can meet the tertiary station, secondary station, fire tank, dock and plus in different regions and seasons

Gas stations, industrial stations, refineries loading and unloading, transportation, washing, process pressurization and other different working conditions demand.

This series of compressors can also be used for the loading, unloading and storage of gas-liquid two-phase coexistence substances with low boiling point, such as ethane, ethylene, propane, propylene, butane, butene, dimethyl ether, difluoroethane and so on.

The latest generation of PLC control system, remote touch screen display and monitoring, make the compressor operation more safe and reliable. The monitoring items are: the intake pressure is ultra-high or low alarm and shutdown; Low oil pressure alarm and shutdown; Exhaust temperature alarm at all levels and shutdown; Low water pressure alarm and shutdown; Motor overload alarm and shutdown.

# 卸车压缩机

## Unloading compressor



型号 MODEL	ZW-2.0/10-16
传动方式	直连传动
Driving method:	Direct driving
压缩机介质	液化气 LPG
Compressed medium	
处理量	2.0
Flow rate (m³/min)	
进气压力	1.0
Inlet pressure (MPa)	
排气压力	1.6
Outlet pressure (MPa)	
电机功率	30
Motor power (KW)	



型号 MODEL	ZW-1.1/10-16
传动方式	直连传动
Driving method:	Direct driving
压缩机介质	液化气 LPG
Compressed medium	
处理量	1.1
Flow rate (m³/min)	
进气压力	1.0
Inlet pressure (MPa)	
排气压力	1.6
Outlet pressure (MPa)	
电机功率 Motor power (KW)	15



型号 MODEL	ZW-1.5/16-24
传动方式	直连传动
Driving method:	Direct driving
压缩机介质	氨气 Ammonia
Compressed medium	
处理量	1.5
Flow rate (m³/min)	
进气压力	1.6
Inlet pressure (MPa)	
排气压力	2.4
Outlet pressure (MPa)	
电机功率	30
Motor power (KW)	

# 卸车压缩机

## Unloading compressor



机器型号 type	ZW-1.5/10-16 (皮带传动 belt driving)
压缩气体 compressed medium	液化气 LPG
流量 flow rate	1.5 m <sup>3</sup> /min
吸气压力 inlet pressure	1.0 Mpa
排气压力 outlet pressure	1.6 Mpa

# 卸车压缩机

## Unloading compressor



机器型号 type	ZW-0.8/16-24型
压缩气体 compressed medium	氨气 Ammonia gas
流量 flow rate	0.8 m <sup>3</sup> /min
吸气压力 inlet pressure	1.6 Mpa
排气压力 outlet pressure	2.4 Mpa

# 卸车压缩机

## Unloading compressor



机器型号 type	ZW-0.95/16-24型
压缩气体 compressed medium	氨气 Ammonia gas
流量 flow rate	0.95 m <sup>3</sup> /min
吸气压力 inlet pressure	1.6 Mpa
排气压力 outlet pressure	2.4 Mpa

# 膜制氮增压注气系统

## Membrane N2 Generation Booster Injection System

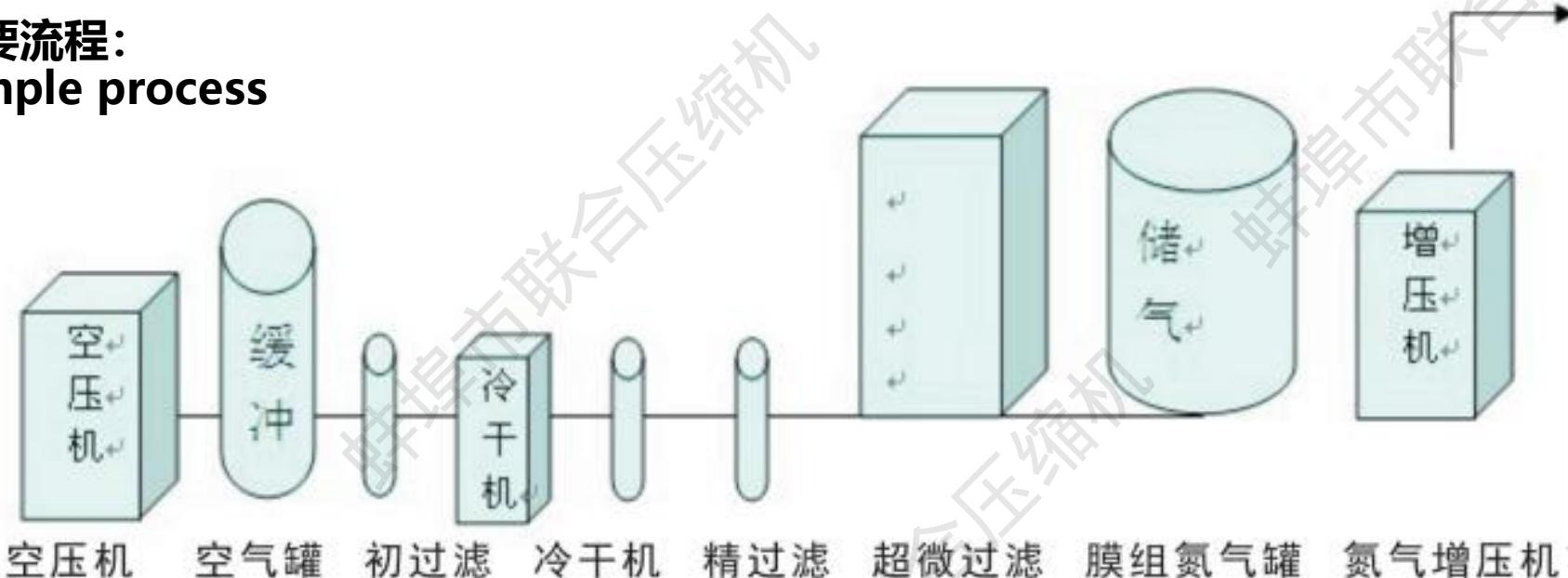
为满足油田采油新工艺井下充注氮气、管线氮气置换等要求。我公司开发了螺杆低压空气压缩机+膜制氮系统+高压氮气增压压缩机系统。可为用户提供流量**20Nm3/min**，压力**15-35MPa**高压氮气。

制氮系统设计成撬装式，分别装在二个撬块上。系统分为三个模块，螺杆低压空气压缩机模块、膜制氮系统模块、高压氮气增压压缩机模块。螺杆低压空气压缩机模块和膜制氮系统模块装在一个撬块上，高压氮气增压压缩机系统在另一个撬块上。系统采用风冷式，柴油机驱动，撬块配有金属罩壳，可方便安装在汽车的底盘上，特别适用于油田野外作业。

In order to meet the requirements of downhole nitrogen filling and pipeline nitrogen replacement in the new oil production process in the oil field. Our company has developed screw low pressure air compressor + membrane nitrogen production system + high pressure nitrogen booster compressor system. It can provide users with a flow rate of 20Nm3/min and a pressure of 15-35MPa high-pressure nitrogen.

The nitrogen generation system is designed to be skid-mounted, and is installed on two skids respectively. The system is divided into three modules, screw low pressure air compressor module, Membrane N2 Generation System module, and high pressure nitrogen booster compressor module. The screw low pressure air compressor module and Membrane N2 Generation System module are installed on one skid, and the high pressure nitrogen booster compressor system is installed on the other skid. The system is air-cooled, driven by a diesel engine, and the skid is equipped with a metal cover, which can be easily installed on the chassis of the vehicle, especially suitable for field operations in oil fields.

## 简要流程： Simple process



大气中的空气先经柴油机驱动的风冷式螺杆压缩机把压力提高到1.4MPa，再经冷冻式干燥机干燥，过滤器净化后进入膜制氮系统，1.4MPa的压缩空气经膜制氮系统渗透扩散分离后就形成压力1.2MPa，纯度大于95%的氮气。1.2MPa的氮气再经风冷活塞式压缩机进一步增压把压力提高到35MPa。

The air in the atmosphere is first increased to 1.4MPa by an air-cooled screw compressor driven by a diesel engine, and then dried by a refrigerated dryer. After being purified by the filter, it enters Membrane N2 Generation System. The compressed air of 1.4MPa passes through Membrane N2 Generation System. After osmotic diffusion separation, nitrogen gas with a pressure of 1.2 MPa and a purity of more than 95% is formed. The 1.2MPa nitrogen is further pressurized by the air-cooled piston compressor to increase the pressure to 35MPa.

# 中高压压缩机

**Medium and high pressure compressor**



机器型号 type	DWFD-2.8(1.28)/(2-10)-55型
压缩气体 compressed medium	天然气 Natural Gas
流量 flow rate	2.8(1.28) m <sup>3</sup> /min
吸气压力 inlet pressure	0.2-1.0 MPa
排气压力 outlet pressure	5.5 MPa

# 中高压压缩机

**Medium and high pressure compressor**



机器型号 type	MZD-900/350-D
压缩气体 compressed medium	氮气 Nitrogen
流量 flow rate	900 m <sup>3</sup> /h
吸气压力 inlet pressure	常压 Atmospheric pressure
排气压力 outlet pressure	35 Mpa

# 中高压压缩机

Medium and high pressure compressor



机器型号 type	SF-10/250型
压缩气体 compressed medium	空气 Air
流量 flow rate	10 m <sup>3</sup> /min
吸气压力 inlet pressure	常压 Atmospheric pressure
排气压力 outlet pressure	25 Mpa

# 工程案例

## Project case

### 1.项目：成都深冷科技有限公司枣庄CNG压缩机项目 Project : Zaozhuang CNG Compressor Project of Chengdu Shenliang Technology Co., Ltd



压缩介质Compressed medium	车用天然气 Natural gas for vehicles
型号 model	VFD-0.32/(30 ~ 200)-250
结构型式structural style	V型、风冷、活塞式、二级压缩、配隔音罩壳 V-type, air-cooled, piston type, two-stage compression, with acoustic enclosure
进气压力 Inlet pressure	3 ~ 20 MPa.G
排气压力 Outlet pressure	25MPa.G
排气量 Exhaust capacity	≥1200 Nm <sup>3</sup> /h (平均排量Average displacement)
处理量 Processing capacity	600 ~ 1800 Nm <sup>3</sup> /h
转速 speed	740 r/min
冷却方式 Cooling method	气缸自然冷却、冷却器风冷 Cylinder natural cooling, cooler air cooling
配备动力 Equipped with power	YB <sub>3</sub> -315L-8、90KW、740r/min、ExdIIIBT4、IP55、380V、B3、50Hz
机组外形尺寸Overall dimensions	~6500×2200×2200 mm

压缩机采用世界先进的设计理念，设计推出了一种全新的自适应变工况的CNG加气子站压缩系统，该系统采用优化的压缩机结构配置和合理的管道系统流程设计，可使拖车气瓶内的气体以其当前的压力直接进入压缩系统，不需节流降压，节约了能量。也不需单双级可切换旁通，大大简化了其操作控制系统。系统本身能自适应运行于很宽的变工况入口压力范围，而且其操作运行及控制系统与母站和标准站很相似。

The compressor adopts the world's advanced design concept, and has designed and launched a new adaptive variable working condition CNG filling sub station compression system. This system uses optimized compressor structure configuration and reasonable pipeline system process design, allowing the gas in the trailer cylinder to directly enter the compression system at its current pressure, without throttling and depressurization, saving energy. It also eliminates the need for a single or dual stage switchable bypass, greatly simplifying its operational control system. The system itself can adaptively operate over a wide variable inlet pressure range, and its operation and control system are very similar to those of the parent station and the standard station.



## 2.项目：哈萨克斯坦南部阿里别克油田 Project : - Alibek Oilfield in Southern Kazakhstan



压缩机型号model: VWF-8/(0.6-3)-12型	压缩介质: 天然气 Compression medium: natural gas
结构形式: V型、风冷、无油润滑、往复活塞式 Structural form: V-type, air-cooled, oil-free lubrication, reciprocating plug type	气缸排列形式: V型 (角度式) 、二列 Cylinder arrangement: V-type (angle type), two rows
压缩级数: 两级压缩 Compression stage: two-stage compression	公称容积流量 nominal volumeflорw ate: 8m <sup>3</sup> /min
进气压力 inlet pressure: 0.06~0.3MPa.G	排气压力outlet pressure: 1.2MPa.G
压缩机转速speed: 980r/min	
有油润滑部位: 曲轴、连杆、十字头 Oil lubricated parts: crankshaft, connecting rod, crosshead	无油润滑部位: 气缸、填料 Parts without oil lubrication: cylinder and packing
<b>配备动力power equipped</b>	
主电动机功率 Main motor power: 132kW	主电动机型号main motor model: YBBP315L2-6
主电动机额定电压 main motor rated voltage: 380V	主电动机频率Main motor frequency: 50Hz
<b>冷却系统cooling system</b>	
压缩介质冷却方式: 风冷 Cooling method of compressed medium: air cooling	
<b>整机外形 (长×宽×高) overall dimension(L*W*H)</b>	
整机外形尺寸overall dimension(L*W*H): 约6200×2500×2300mm	整机重量total weight: 约7.2T

VWF-8/(0.6-3)-12型天然气压缩机采用V型（角度式）、风冷、无油润滑、往复活塞式、2列2级压缩。压缩机与电动机直联，采用轮胎式联轴器。压缩机中体为双中体结构，中体空间保证大于一倍行程。气缸、填料皆为无油结构，无油润滑。机组应在压缩机数据表所规定的全部工况下能有效地安全可靠地连续运行操作，机组橇装。

The compressor adopts V-type (angle type), air-cooled, oil-free lubrication, reciprocating type, and two rows of two-stage compression. The compressor is directly connected to the motor and adopts a tire type coupling. The middle body of the compressor is of a double middle body structure, ensuring that the middle body space is greater than twice the stroke. The cylinder and packing are of oil free structure and lubricated without oil. The unit shall be able to effectively, safely and reliably operate continuously under all operating conditions specified in the compressor data sheet, and the unit shall be skid mounted.

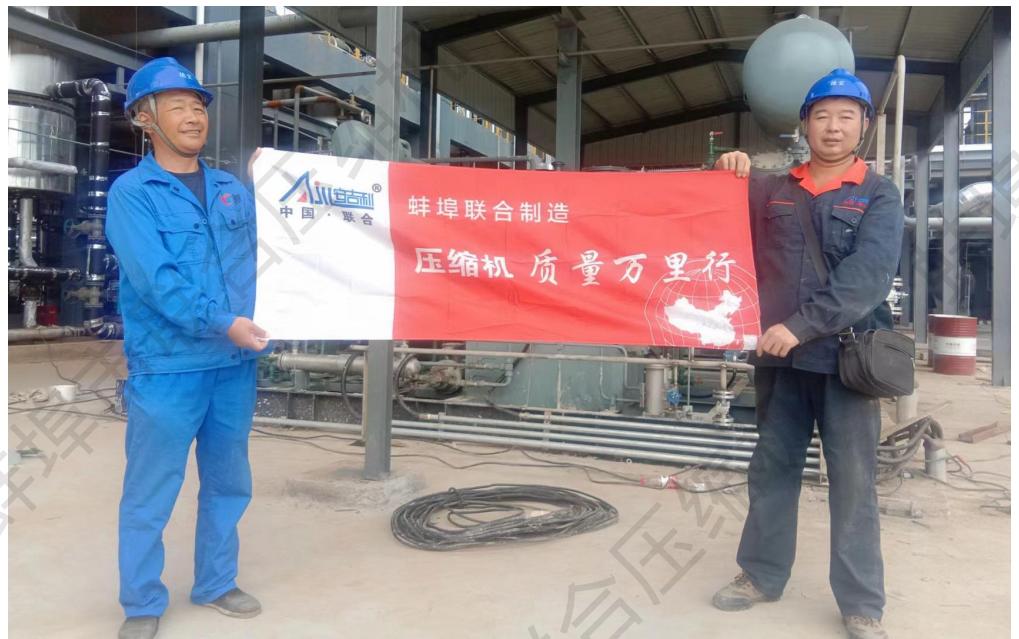


### 3.项目：巴陵石化公司橡胶部聚丙烯装置隐患治理项目

### Hidden Danger Treatment Project of Polypropylene Plant in Rubber Department of Baling Petrochemical Company



压缩机型号 compressor model: MW-9.6/0.2-19.1	压缩介质: 丙烯 Compression medium: propylene
压缩机结构形式: 往复活塞式, M型 (对称平衡式) 、四列 Structural form of compressor: reciprocating plug type, M-type (symmetrical balance type), four-line	压缩级数: 三级压缩 Compression stage: three stage compression
公称容积流量 Nominal volumetric flow: 9.6m <sup>3</sup> /min	压缩机最大轴功率 Maxshaft power of compressor: ≤79kW
进气压力 Intake pressure: 0.02MPa.G	排气压力 Exhaust pressure: 1.91MPa.G
进气温度 Inlet temperature: ≤40°C	排气温度 discharge temperature: ≤90°C
压缩机转速 Compressor speed: 740r/min	
润滑方式: 无油润滑 Lubrication method: oil free lubrication	
传动方式: 膜片联轴器直接连接 driving mode: diaphragm coupling directly connected	启动方式: 用户提供 Startup method: provided by the user
主电动机: 90kW, 740r/min, YBX5-355L1-8极, ExdIICT4, IP56, F级, 380V, 50Hz	
压缩机冷却方式: 水冷 compressor cooling method: water cooling	
润滑油泵名称: 独立外置油泵 Lubricating oil pump name: independent external oil pump	润滑油泵电机功率 Lubricating oil pump motor power: 2.2kW
整机外形尺寸 overall dimension: 约5500×3000×2300mm	整机重量 total weight: 约15T



压缩机型号 compressor model: DW-10.8/0.1-10	压缩介质: 氮气 Compression medium: nitrogen
压缩机结构形式: 往复活塞式、双中体 Compressor structure: reciprocating type, double middle body	气缸排列形式: D型 (对称平衡式) 、两列 Cylinder arrangement: D-type (symmetrical balance type), two rows
压缩级数: 两级压缩、双作用 Compression stage: two-stage compression, double acting	公称容积流量 Nominal volumetric flow: 10.8m <sup>3</sup> /min
进气压力 inlet pressure: 0.01MPa.G	排气压力 outlet pressure: 1.0MPa.G
进气温度: 常温 Inlet temperature: normal temperature	各级排气温度 Exhaust temperature all levels: ≤170°C
终端送气温度 terminal discharge temperature: ≤50°C	压缩机最大轴功率 Max shaft power of compressor: ≤80kW
压缩机转速 compressor speed: 740r/min	润滑方式: 无油润滑 Lubrication method: oil free lubrication
传动方式: 膜片联轴器直接连接 driving mode: diaphragm coupling directly connected	启动方式: 用户提供 Startmethod: provided by the user
主电动机main motor : 90kW, YBX5-315L1-8, 740r/min, F级, ExdIICt4, IP56, 380V, 50Hz.	
压缩机组冷却方式: 水冷 Compressor cooling mode: water cooling	冷却水进水温度 Cooling water inlet temperature: ≤32°C
润滑油泵名称: 独立外置油泵 Lubricating oil pump name: independent external oil pump	润滑油泵电机功率 Lubricating oil pump motor power: 1.1kW
整机外形尺寸overall dimension: 约4800×2500×2250mm	整机重量total weight: 约8T

#### 4.项目：福鼎市龙安工业园区天然气利用项目（LNG气化站）

#### Fuding Long'an Industrial Park Natural Gas Utilization Project (LNG Gasification Station)



VWFD-7.2/ (0.15-0.2) -7压缩机采用角度式V型机型，两列，两级压缩。气缸、填料皆为无油结构，无油润滑。压缩机配有隔音方舱，舱体采用金属罩壳冷轧板材料（壳体四周墙壁为消音材料），舱内配有浓度报警器、防爆照明灯、防爆换气扇。方舱设有防爆玻璃，可直接透过玻璃观察设备仪表参数。

VWFD-7.2/ (0.15-0.2) -7 compressor adopts an angle type V-shaped model with two rows and two stages of compression. The cylinder and packing are of oil free structure and lubricated without oil. The compressor is equipped with a soundproof shelter, the cabin is made of cold rolled sheet material with a metal cover (the walls around the housing are made of soundproof material), and the cabin is equipped with a concentration alarm, explosion-proof lighting, and explosion-proof ventilation fan. The shelter is equipped with explosion-proof glass, through which equipment and instrument parameters can be observed directly.



型号 model	VWFD-7.2/ (0.15-0.2) -7型
介质 compressed medium	BOG
结构形式 compressor structure:	V型、风冷、无油润滑、往复活塞式 V-type, air-cooled, oil-free lubrication, reciprocating plug type
压缩级数 compressed stages	两级压缩、两列 second -stage compressor,two line
公称容积流量 nominal volumeflow rate(m <sup>3</sup> /min)	7.2
吸气压力 inlet pressure(KPa.G)	15~20
排气压力 outlet pressure(KPa.G)	700
吸气温度 suction temperature(°C)	5~10
排气温度 discharge temperature(°C)	≤140
输气温度 terminal discharge temperature(°C)	不高于环境温度15°C
压缩机转速 compressor rotating speed(r/min)	980
配备动力 power equipped	B <sub>3</sub> 280M-6、55KW、980r、IP55、dIIBT4、B3、380V、50Hz
启动方式 starting mode	自耦降压启动 self-coupling decompression start
冷却方式 cooling mode	风冷 air cooling
传动方式 driving mode	轮胎联轴器直连 Tire coupling direct connection

## 5.项目:昆仑能源青海有限公司天然气液化厂BOG压缩机采购项目

### Project :BOG Compressor Procurement Project of Natural Gas Liquefaction Plant of Kunlun Energy Qinghai Co., Ltd



MW-15.2/ (0.05-0.15) -40采用动力平衡性能优秀的四列对称平衡M型机型，四列、三级压缩。机身的两侧各布置两列，机身的两侧各布置两列，一级气缸占两列位于机身一侧，二、三级气缸各占一列位于机身另一侧，所有气缸均为双作用气缸。气缸、填料皆为无油结构，无油润滑。压缩机气缸、填料采用水冷式，冷却器采用列管式，换热管材质采用304不锈钢。机组应在压缩机数据表所规定的全部工况下能有效地安全可靠地连续运行操作，机组橇装。

MW-15.2/ (0.05-0.15) -40 adopts a four row symmetrical balanced M-type machine with excellent dynamic balance performance, with four rows and three stages of compression. Two rows are arranged on both sides of the fuselage, and two rows are arranged on both sides of the fuselage. Two rows of primary cylinders are located on one side of the fuselage, and one row of secondary and tertiary cylinders is located on the other side of the fuselage. All cylinders are double acting cylinders. The cylinder and packing are of oil free structure and lubricated without oil. The compressor cylinder and packing are of water cooled type, the cooler is of tubular type, and the heat exchange tube material is 304 stainless steel. The unit shall be able to effectively, safely and reliably operate continuously under all operating conditions specified in the compressor data sheet, and the unit shall be skid mounted.



型号 model	MW-15.2/ (0.05-0.15) -40型
介质 compressed medium	BOG
结构形式 compressor structure:	M型、四列、水冷、无油润滑、往复活塞式 M type, four row, water cooled, oil free lubrication, reciprocating type
压缩级数 compressed stages	三级压缩、双作用 Three stage compression, double acting
公称容积流量 nominal volumeflow rate(m <sup>3</sup> /min)	15.2
吸气压力 inlet pressure(KPa.G)	5~15
排气压力 outlet pressure(MPa.G)	4.0
吸气温度 suction temperature(°C)	-20~60
排气温度 discharge temperature(°C)	≤150
输气温度 terminal discharge temperature(°C)	≤50
压缩机转速 compressor rotating speed(r/min)	980
配备动力 power equipped	YB <sub>3</sub> -355M <sub>2</sub> -6、200KW、980r、ExdIIBT4、IP55、 B3、380V、50Hz、海拔2800m
启动方式 starting mode	软启动 soft start
冷却方式 cooling mode	水冷 water cooling
传动方式 driving mode	膜片联轴器直连 Diaphragm coupling direct connection

## 6.项目：北京宏科庆能科技有限公司陕西延安6万方项目伴生气压缩机

Beijing Hongke Qingneng Technology Co., Ltd. Associated Gas Compressor for Shaanxi Yan'an 60000 m<sup>3</sup> Project

MWF-18.7/(0.3~0.5)-45型采用动力平衡性能优秀的四列对称平衡M型机型，四列、四级压缩。机身的两侧各布置两列，所有气缸均为双作用气缸。气缸、填料皆为无油结构，无油润滑。气缸进、排气口均按上进、下出布置，防止气缸内集液而产生液击。机组应在压缩机数据表所规定的全部工况下能有效地安全可靠地连续运行操作，机组橇装。

MWF-18.7/(0.3~0.5)-45 adopts a four row symmetrical balanced M-type machine with excellent dynamic balance performance, with four rows and four stages of compression. Two rows are arranged on both sides of the fuselage, and all cylinders are double acting cylinders. The cylinder and packing are of oil free structure and lubricated without oil. The intake and exhaust ports of the cylinder are arranged according to the upper inlet and lower outlet to prevent liquid hammer caused by liquid accumulation in the cylinder. The unit shall be able to effectively, safely and reliably operate continuously under all operating conditions specified in the compressor data sheet, and the unit shall be skid mounted.





压缩机型号 compressor model: MWF-18.7/(0.3~0.5)-45型	压缩介质: 伴生气 Compressed medium: associated gas
压缩机结构形式: 主机闭式水冷, 介质强制风冷、往复活塞式 Compressor structure: Host closed water cooling, medium forced air cooling, reciprocating plug type	气缸排列形式: M型 (角度式) 、四列 Cylinder arrangement: M-type (angle type), four line
压缩级数: 四级压缩 Compression stage: four-stage compression	处理量: 1250~1450Nm <sup>3</sup> /h (进气压力40KPa时, 满足1370Nm <sup>3</sup> /h) Processing capacity: 1250~1450Nm <sup>3</sup> /h (When the intake pressure is 40KPa, it meets 1370Nm <sup>3</sup> /h)
公称容积流量 Nominal volumetric flow: 18.7m <sup>3</sup> /min	进气压力 inlet pressure: 30~50KPa.G
排气压力 outlet pressure: 4.5MPa.G	
主电动机功率 main motor power: 280kW	主电动机型号 main motor model: YBBP-355L3-6
主电动机额定电压 main motor voltage: 380V	主电动机频率 Main motor frequency: 50Hz
压缩机冷却方式: 闭式水冷 Compressor cooling method: closed water cooling	压缩介质冷却方式: 强制风冷 Cooling method of compressed medium: forced air cooling
整机外形尺寸 overall dimension: 约 8500×3100×5045mm(高度含冷却器聚风罩, 运输时可拆卸)(The height includes the condenser hood, which can be removed during transportation)	整机重量 total weight: 约22T

## 7.项目：阿克莫木气田分子筛脱水、乙二醇再生注入装置、燃料气撬采购

### Project: Procurement of Molecular Sieve Dehydration, Ethylene Glycol Regeneration and Injection Device, and Fuel Gas Skid in Akimom Gas Field

DWF-12.4/ (9-12) -14型二氧化碳压缩机采用D型(对称平衡式)、风冷、无油润滑、往复活塞式、2列1级压缩，整套机组组成撬供应。气缸和气缸盖材料为防腐铸铁，气阀在缸盖上为轴向布置。压缩机气缸、填料采用风冷式，冷却器采用铝制翅片管式。保证压缩机有一个完善的热力循环，使高温零件得以降温。

DWF-12.4/(9-12) - 14 carbon dioxide compressor adopts the D type (symmetrical balance type), air cooled, oil free lubrication, reciprocating plug type, two rows of first stage compression, and the entire unit is supplied as a skid. The cylinder and cylinder head are made of corrosion resistant cast iron, and the air valves are arranged axially on the cylinder head. The compressor cylinder and packing are air cooled, and the cooler is aluminum fin tube type. Ensure that the compressor has a complete thermal cycle to cool high-temperature parts.





型号model	DWF-12.4/ (9-12) -14型
介质 compressed medium	二氧化碳 carbon dioxide
结构形式 compressor structure:	对称平衡式、风冷、无油润滑、往复活塞式 Symmetrical balance type, air cooled, oil free lubrication, reciprocating plug type
压缩级数 compressed stages	一级压缩、双作用 Primary compression, double acting
公称容积流量 nominal volumeflow rate(m <sup>3</sup> /min)	12.4
吸气压力 inlet pressure(KPa.G)	900~1200
排气压力 outlet pressure(KPa.G)	1400
吸气温度 suction temperature(°C)	45
排气温度 discharge temperature(°C)	≤80
输气温度 terminal discharge temperature(°C)	环境温度+15 Ambient temperature+15
压缩机转速 compressor rotating speed(r/min)	740
配备动力 power equipped	YBBP-355L <sub>1</sub> -8、185KW、740r、dIIBT4、IP55、B3、380V、50Hz、高原型 (海拔2000~3200米) Plateau type (altitude: 2000-3200m)
启动方式 starting mode	变频启动 Variable frequency startup
冷却方式 cooling mode	风冷 air cooling
传动方式 driving mode	轮胎联轴器直连 Tire coupling direct connection
外形尺寸 (长×宽×高mm) overall dimension	约5000×2700×1700
重量kgtotal weight	~10T

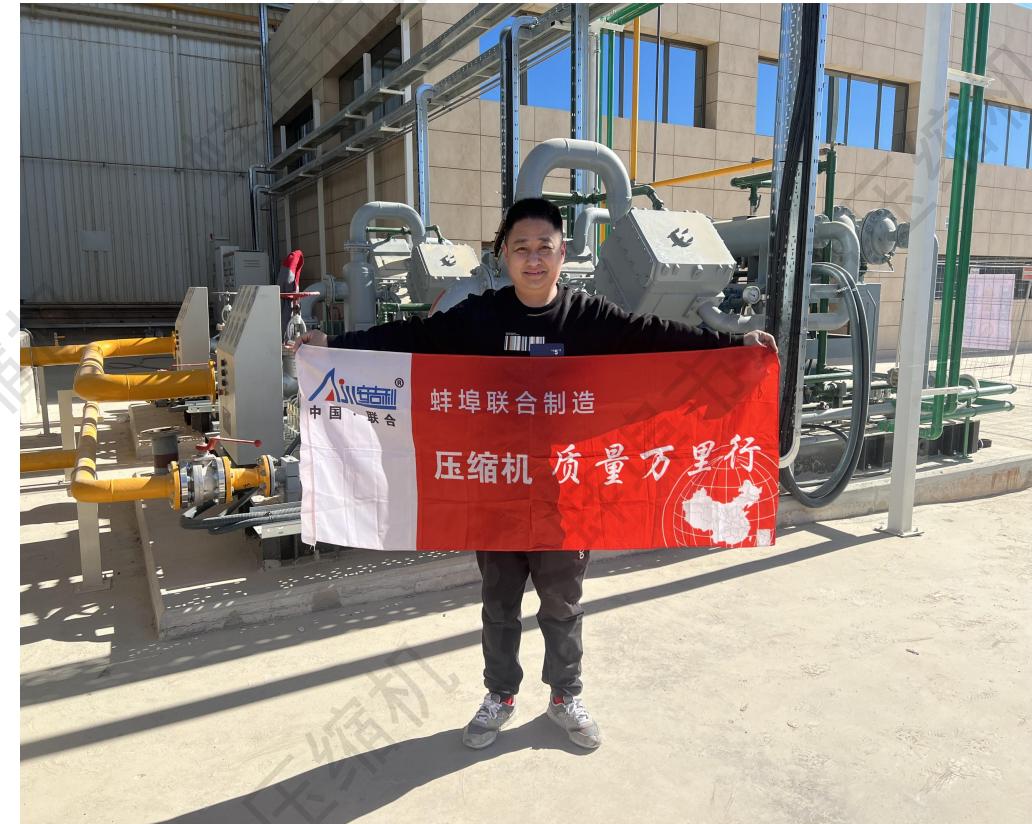
## 8.项目：乌克兰项目 Project : Ukraine Project



型号model: VW-7.5/1-16.3型	介质: 丙烯 Medium: propylene
公称容积流量 Nominal volumetric flow: 7.5m <sup>3</sup> /min	压缩级数: 两级压缩、两列 Compression stage: two-stage compression, two columns
吸气压力 inlet pressure: 0.1MPa.G	结构形式: V型、开式水冷、无油润滑、往复活塞式 Structural form: V-type, open water cooling, oil free lubrication, reciprocating plug type
排气压力 outlet pressure: 1.63MPa.G	吸气温度 inlet temperature: 0°C
排气温度 discharge temperature: ≤98.2°C	压缩机转速 compressor speed: 980r/min
配备动力power equipped: YB315L1-6、110KW、980r、IP55、dIIBT4、B3、380V、50Hz	
传动方式: 轮胎联轴器直连 drive method:Tire coupling direct connection	启动方式: 软启动 Starting method: soft start
冷却方式: 水冷 Cooling method:water cooling	
外形尺寸 (长×宽×高mm) overall dimension: 约 3200×2000×1750	重量kg weight: 约4500kg

VW-7.5/1-16.3压缩机采用V型（角度式）、开式水冷、无油润滑、往复活塞式、2列2级压缩。压缩机中体为双中体结构，中体空间保证大于一倍行程。压缩机对于水路管线、排污管线、润滑油管线做电伴热加热措施，并可实现自动加热。机组应在压缩机数据表所规定的全部工况下能有效地安全可靠地连续运行操作。

VW-7.5/1-16.3 compressor adopts V-type (angle type), open water cooling, oil free lubrication, reciprocating plug type, and two rows of two-stage compression. The middle body of the compressor is of a double middle body structure, ensuring that the middle body space is greater than twice the stroke. The compressor adopts electric heat tracing heating measures for water pipelines, sewage pipelines, and lubricating oil pipelines, and can achieve automatic heating. The unit shall be able to operate effectively, safely, and continuously under all operating conditions specified in the compressor data sheet.



## 9.项目:湖北孚诺林新材料有限公司3000 吨/年 PVDF 树脂项目 (一期工程 2000t/a PVDF 树脂) Project: Hubei Funolin New Material Co., Ltd. 3000 t/a PVDF Resin Project (Phase I Project 2000 t/a PVDF Resin)



压缩机采用D型 (对称平衡式) 、开式水冷、无油润滑、往复活塞式、二列二级压缩，双作用，整套机组组成撬供应。压缩机具有耗能少、噪音低、振动小、可靠性高、无油润滑、操作简便等特点  
The compressor adopts D-type (symmetrical balance type), open water cooling, oil free lubrication, reciprocating plug type, two rows of two-stage compression, double acting, and the entire unit is supplied as a skid. The compressor features low energy consumption, low noise, low vibration, high reliability, no oil lubrication, and easy operation

压缩机型号model: DW-15.2/(0.2~0.3)-10	压缩介质: 混合气Compressed medium: mixed gas
压缩机结构形式: 往复活塞式、双中体Compressor structure: reciprocating type, double middle body	气缸排列形式: D型 (对称平衡式) 、两列Cylinder arrangement: D-type (symmetrical balance type), two lines
压缩级数: 两级压缩、双作用Compression stage: two-stage compression, double acting	公称容积流量Nominal volumetric flow: 15.2m <sup>3</sup> /min
进气压力inlet pressure: 20~30KPa.G	排气压力outlet pressure: 1.0MPa.G
主电动机功率Main motor power: 132kW	主电动机型号Main motor model: YBBP-315L2-6
主电动机额定电压main motor rated voltage: 380V	主电动机频率Main motor frequency: 50Hz
压缩机组冷却方式: 水冷Cooling method: water cooling	冷却水进水温度Cooling water inlet temperature: ≤32°C
冷却水循环量Cooling water circulation: 约10T/h	冷却水进水压力Cooling water inlet pressure: 约0.15~0.45MPa.G
整机外形尺寸overall dimension: 约4000×2800×2300mm	整机重量total weight: 约9T

## 10.项目名称-兰州石化公司24万吨/年乙烯产能恢复-增设丁二烯、1-丁烯卸车设施项目

Project name-Lanzhou Petrochemical Company 240000 tons/year ethylene production capacity restoration - adding butadiene and 1-butene unloading facilities project

ZW-2.0/3-8型压缩机采用Z型（立式）、水冷、双作用、无油润滑、往复活塞式、1列1级压缩，整套机组组成撬供应。压缩机中体为双中体结构。此压缩机结构形式为立式，具有占地面积小，重量轻，动转平衡等特点。具有操作简便，运转平稳可靠，易损件寿命长等优点，气缸、填料部分均无油润滑。

ZW-2.0/3-8 compressor adopts Z-type (vertical), water cooled, double acting, oil free lubrication, reciprocating plug type, 1 row of 1 stage compression, and the entire unit is supplied as a skid. The middle body of the compressor is a double middle body structure. This compressor has a vertical structure, featuring small footprint, light weight, and dynamic and rotational balance. With simple operation, stable and reliable operation, and vulnerable parts Long service life, no oil lubrication for the cylinder and packing parts.





型号model	ZW-2.0/3-8型
介质 compressed medium	混合气 (丁二烯、氮气) Mixed gas (butadiene, nitrogen)
结构形式 compressor structure:	Z型(立式)、水冷、无油润滑、往复活塞式 Z-type (vertical), water cooled, oil free lubrication, reciprocating plug type
压缩级数 compressed stages	一级压缩、一列 first stage compressor ,one line
公称容积流量 nominal volumeflow rate(m <sup>3</sup> /min)	2.0
吸气压力 inlet pressure(MPa.G)	0.3
排气压力 outlet pressure(MPa.G)	0.8
压缩机转速 compressor rotating speed(r/min)	740
压缩机最大轴功率 compressor maximum shaft power(kw)	≤19.5
配备动力 power equipped	B <sub>3</sub> -250M-8、30kw、740r、ExdIIBT4、IP55、B3、380V、50Hz
冷却方式 cooling mode	开式水冷Open water cooling
冷却水进水温度 Cooling water inlet temperature (°C)	≤32
冷却水循环量 Cooling water circulation volume m <sup>3</sup> /h)	约1.5
外形尺寸 (长×宽×高mm) overall dimension	约2800×2200×1800
重量kg total weight	约2500kg

## 11.项目：宁夏中能新材料工程

## Project: Ningxia Zhongneng New Materials Engineering



DW-0.96/(4-5)-60型氢气压缩机为两列三级压缩，一级双作用，二三级差，介质水冷，气缸水冷 无油润滑，有基础活塞式压缩机。气缸的排列为D型对称平衡式.该压缩机组具有耗能少、噪音低、振动小、可靠性高、无油润滑、操作简便等特点。

DW-0.96/(4-5) - 60 hydrogen compressor is a two row, three stage compression, one stage, double acting, two to three stage differential, medium water cooled, cylinder water cooled, oil free lubrication, and basic piston type compressor. The arrangement of the cylinders is of the D type symmetrical balance type. The compressor unit has the characteristics of low energy consumption, low noise, low vibration, high reliability, no oil lubrication, and easy operation.

压缩机型号compressor model: DW-0.96/(4-5)-60	压缩介质: 氢气compression medium: hydrogen
压缩机结构形式: 往复活塞式 Compressor structure: reciprocating type	气缸排列形式: D型 (对称平衡式)、二列 Cylinder arrangement: D-type (symmetrical balance type), two rows
压缩级数: 三级压缩 stage: three stage compression	公称容积流量nominal volumeflow rate: 0.96m <sup>3</sup> /min
进气压力inlet pressure: 0.4- 0.5MPa.G	排气压力outlet pressure: 6.0MPa.G
压缩机转速speed: 740r/min	有油润滑部位: 曲轴、连杆、十字头Oil lubricated parts: crankshaft, connecting rod, crosshead
无油润滑部位: 气缸、填料Parts without oil lubrication: cylinder and packing	主电动机功率main motor power: 45kW
主电动机型号main motor model: YBBP280M-8极	主电动机频率Main motor frequency: 50Hz
主电动机额定电压main motor rated voltage: 380V	冷却水进水温度Cooling water inlet temperature: ≤32°C
冷却水压力cooling water pressure: 0.15-0.45MPa	冷却水循环量Cooling water circulation: 3.6m <sup>3</sup> /h
整机外形尺寸overall dimension(L*W*H): 约 5000×2800×1900mm	整机重量total weight: 约5.5T

# 谢谢观看

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