

MINNUO GROUP
**OILLESS LUBRICATION
GAS COMPRESSOR**

UNDERTAKE DESIGN AND SELECTION OF VARIOUS GAS COMPRESSORS
CAN BE CUSTOMIZED ACCORDING TO YOUR NEEDS

RESPECT COMES FROM QUALITY
TRUST COMES FROM SERVICE

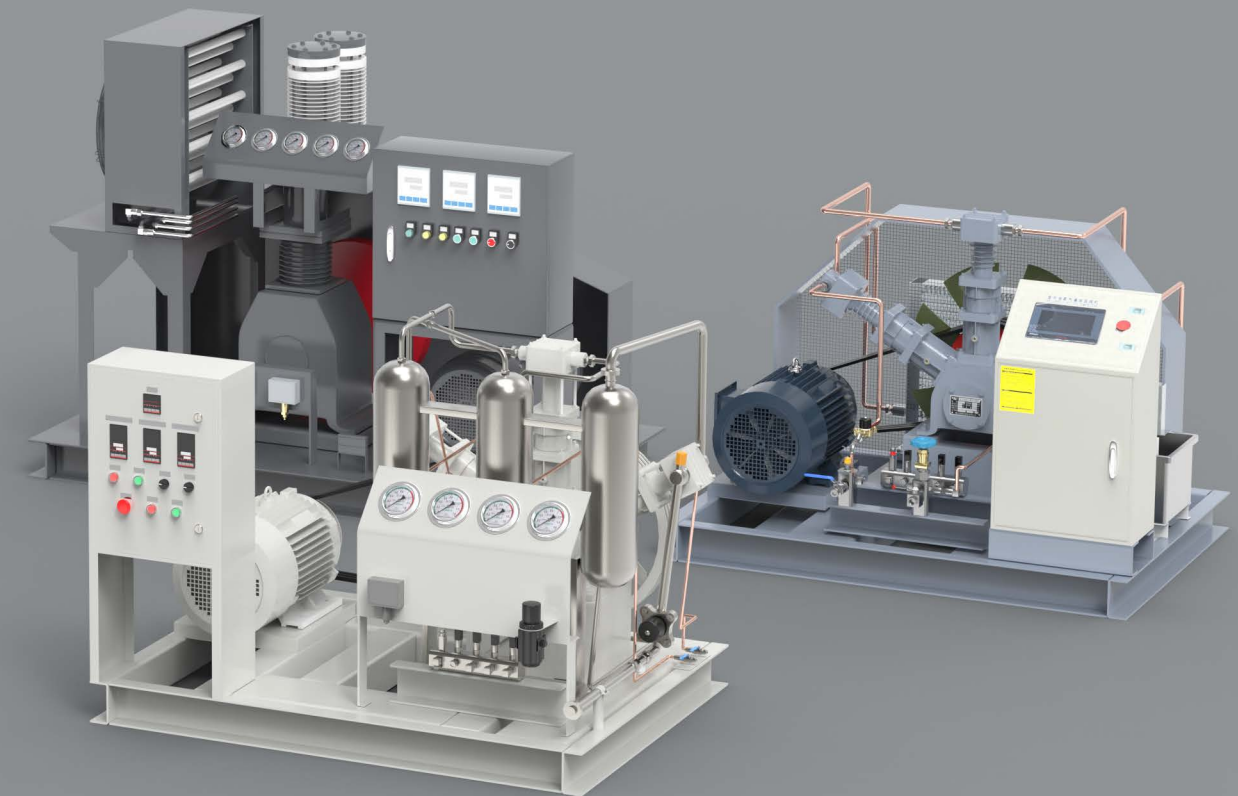
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NO OIL

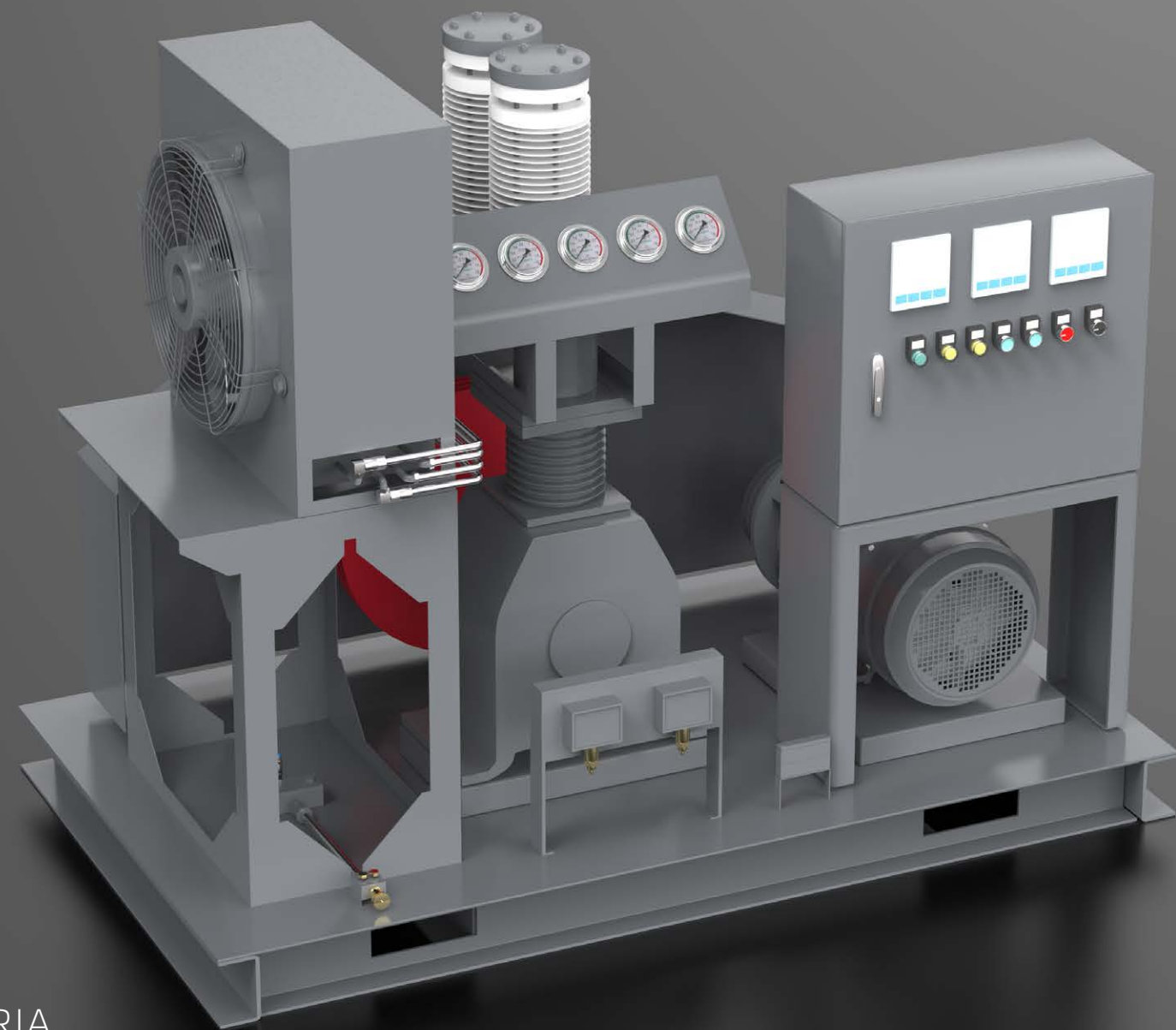
NO DUST

NO WATER

NO BACTERIA

MINNUO

OIL FREE COMPRESSOR BOOSTER



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MINNUO GROUP

MEET CUSTOMER
CUSTOMIZATION NEEDS

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ABOUT US

WE ARE A COMPANY DEDICATED TO THE RESEARCH AND DEVELOPMENT AND MANUFACTURE OF VARIOUS COMPRESSORS. THE PRODUCTS COVER GAS COMPRESSORS AND POST-PROCESSING EQUIPMENT SUCH AS FULL WORRY-FREE LUBRICATION AIR COMPRESSORS, SPECIAL GAS COMPRESSORS, SCREW COMPRESSORS, ETC., AND PROVIDE AIR COMPRESSOR STATIONS FOR USER DESIGN. AND VARIOUS GAS SYSTEM COMPLETE SETS OF EQUIPMENT. A COMPLETE RANGE OF ALL WORRY-FREE LUBRICATED GAS COMPRESSORS.

THE COMPANY IS LOCATED IN TAIZHOU, JIANGSU, IN THE ECONOMIC CIRCLE OF THE YANGTZE RIVER DELTA, WITH DEVELOPED WATER AND LAND TRANSPORTATION. THE PRODUCTION BASE HAS THREE MODERN STANDARD WORKSHOPS OF 180,000 SQUARE METERS. HIGH-QUALITY COMPRESSOR PRODUCTS BENEFIT FROM A TECHNICAL TEAM WITH MANY YEARS OF R&D AND MANUFACTURING EXPERIENCE.

THE COMPANY HAS COMPLETE AND ACCURATE PRODUCT TESTING EQUIPMENT, WHICH ENSURES THE PASS RATE OF THE OUT-OF-THE-BOX PRODUCTS.

LOW CARBON AND ENERGY SAVING ARE THE CORE PURSUIT OF THE COMPANY'S PRODUCTS.

MINNUO GROUP

ISO9001 RUNS THROUGH THE WHOLE ENTERPRISE MANAGEMENT PROCESS



MINNUO FACTORY

GAS POWERED EQUIPMENT



COMPANY QUALIFICATION

- WITH THE PRODUCTION LICENSE OF ALL OIL-FREE COMPRESSORS, MORE THAN 20 YEARS OF PRODUCTION HISTORY
- ACHIEVE PRODUCT GC CERTIFICATION AND ENERGY EFFICIENCY LEVEL CERTIFICATION
- PATENTED DESIGN, EASY MAINTENANCE
- HIGH-TECH ENTERPRISES



ELECTRONIC INDUSTRIAL PRODUCTION

THE ELECTRONICS INDUSTRY RELIES ON 100% STABLE OIL-FREE AIR TO MANUFACTURE MICROCHIPS AND CIRCUIT BOARDS.



MEDICAL INSTRUMENTS

THE AIR COMPRESSOR PROVIDES A CLEAN PRESSURE GAS SOURCE FOR THE HOSPITAL HYPERBARIC OXYGEN CHAMBER AND OXYGEN GENERATOR.



BIO-PHARMACY

RELIABLE OIL-FREE AIR IS THE FOUNDATION OF PHARMACEUTICAL MANUFACTURING AND PACKAGING.



FOOD PROCESSING

ALL OIL-FREE AIR COMPRESSORS DO NOT ADD LUBRICATING OIL, THUS AVOIDING ANY OIL VAPOR CONTAMINATION OF THE FOOD PRODUCTION LINE.



OXYGEN BOTTLING

ALL OIL-FREE OXYGEN BOTTLE FILLING MACHINE, FILLING THE OXYGEN BOTTLE FOR THE OXYGEN PRODUCED BY THE OXYGEN GENERATOR.

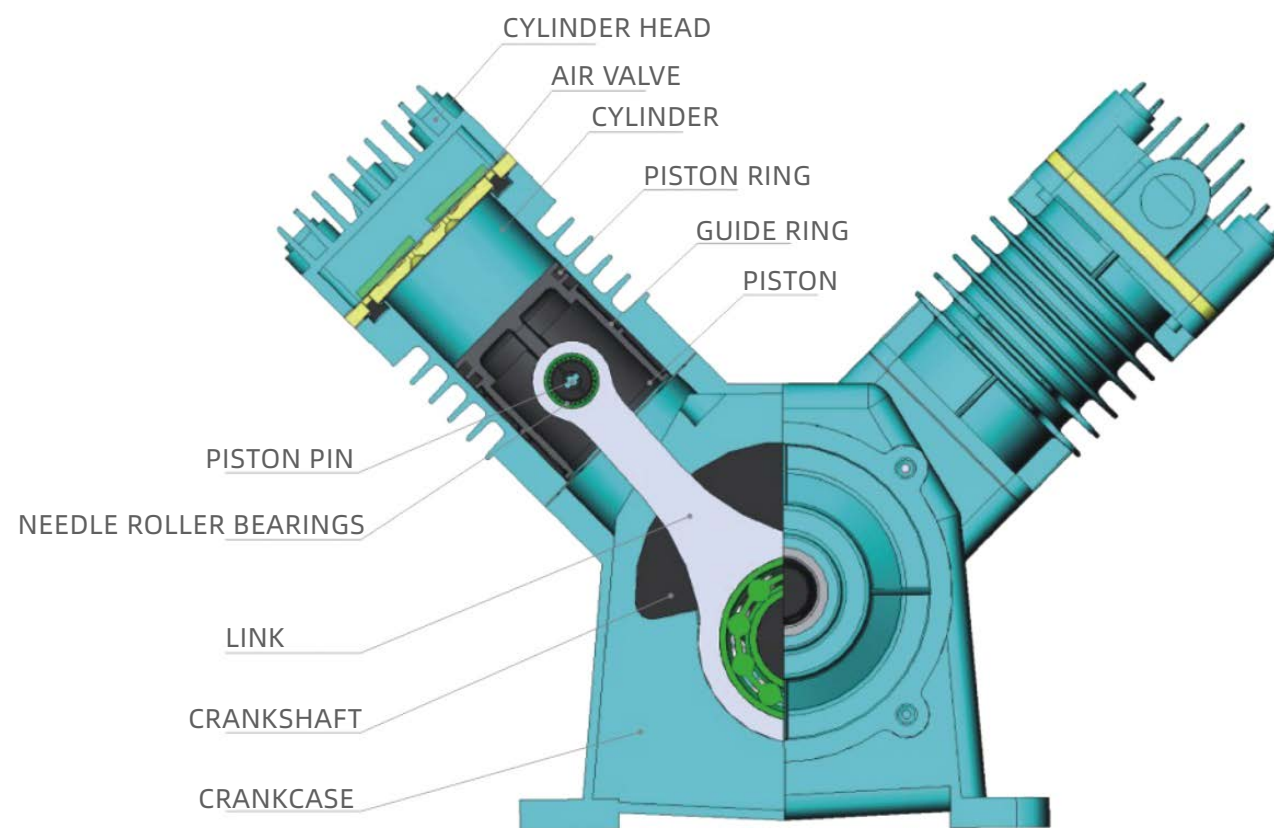
PRODUCT APPLICATION RANGE ▶▶▶

ALL OIL-FREE COMPRESSORS ARE ESPECIALLY SUITABLE FOR MEDICAL TREATMENT, PHARMACEUTICALS, FOOD AND BEVERAGE PROCESSING, POST AND TELECOMMUNICATIONS, ELECTRONIC PNEUMATIC INSTRUMENTS, HIGH-END SPRAYING, POWDER AND GRANULAR GAS TRANSPORTATION, AIR STIRRING, FILM PHOTOSENSITIVE, CONSTRUCTION ENGINEERING, MATERIALS, LASER CUTTING, NATIONAL DEFENSE SCIENTIFIC RESEARCH, ETC. USE IN DEPARTMENTS THAT REQUIRE HIGH-QUALITY OIL-FREE COMPRESSED AIR: IT IS ALSO WIDELY USED IN OXYGEN PRODUCTION, NITROGEN PRODUCTION, PRESSURIZED BOTTLE FILLING, HYDROGEN, CARBON DIOXIDE, NATURAL GAS, NITROUS OXIDE AND OTHER GAS PRESSURIZATION, HELIUM, ARGON, SULFUR HEXAFLUORIDE, FOR THE RECOVERY OF OIL AND GAS, ETC., EXPLOSION-PROOF DESIGN AND AIR COMPRESSOR STATION DESIGN CAN ALSO BE MADE FOR USERS.

PRODUCT DESCRIPTION

ALL OIL-FREE COMPRESSORS DO NOT NEED TO ADD LUBRICATING OIL, THE DISCHARGED GAS DOES NOT CONTAIN OIL AND OIL VAPOR, AND DOES NOT POLLUTE THE END PRODUCTS OF USERS. IT IS AN ENVIRONMENTALLY FRIENDLY AND ENERGY-SAVING PRODUCT. WHEN USED AS A GENERAL POWER SOURCE, IT IS MORE CONVENIENT TO USE THAN OIL-BASED COMPRESSORS. LOW MAINTENANCE COSTS. AS THE SIMPLEST AND MOST IDEAL EQUIPMENT TO PROVIDE HIGH-QUALITY OIL-FREE COMPRESSED GAS, IT SAVES COMPLICATED OIL FILTERING AND PROCESSING EQUIPMENT, SAVING A LOT OF EQUIPMENT EXPENSES AND MAINTENANCE COSTS.

CROSS-SECTIONAL VIEW OF EQUIPMENT STRUCTURE >>>



PROVIDE SUSTAINABLE
ENVIRONMENTALLY FRIENDLY
ENERGY-SAVING OIL-FREE GAS POWER
SYSTEM SOLUTIONS FOR ALL WALKS OF LIFE



O₂ OIL-FREE OXYGEN COMPRESSOR SERIES

PRODUCT INTRODUCTION >>>

ALL OIL-FREE DESIGN. THE GUIDE RING AND PISTON RING ARE MADE OF SELF-LUBRICATING MATERIALS AND 100% OIL-FREE LUBRICATION. THE BEARING PARTS ARE LUBRICATED WITH HIGH TEMPERATURE RESISTANT GREASE TO AVOID GAS POLLUTION DURING COMPRESSION AND ENSURE GAS PURITY. THE PRODUCT IS SMALL IN SIZE, LIGHT IN WEIGHT, CONVENIENT FOR MAINTENANCE, NO NEED TO ADD LUBRICATING OIL, AND LOW IN MAINTENANCE COST. MICROCOMPUTER CONTROLLER CONTROL, WITH ALARM AND SHUTDOWN FUNCTIONS FOR HIGH DISCHARGE TEMPERATURE, LOW INLET PRESSURE AND HIGH EXHAUST PRESSURE OF THE COMPRESSOR, HIGH AUTOMATION LEVEL AND RELIABLE OPERATION OF THE COMPRESSOR. DATA BASED REMOTE DISPLAY AND REMOTE CONTROL CAN BE CONFIGURED ACCORDING TO CUSTOMER REQUIREMENTS.

THIS SERIES OF COMPRESSORS ARE WIDELY USED IN HOSPITAL OXYGEN PRODUCTION CENTER, PLATEAU VEHICLE MOUNTED OXYGEN PRODUCTION SYSTEM, AND MEDICAL OXYGEN PRODUCTION RELATED INDUSTRIES.

HIGH PRESSURE OIL-FREE OXYGEN BOTTLEFILLER (WATER COOLING)

► SCOPE OF APPLICATION

THE DISCHARGE PRESSURE OF THIS SERIES OF WATER-COOLED COMPRESSORS IS GENERALLY 15-20MPA (G), AND THE FLOW RANGE IS 20-100NM³/H. IT IS MAINLY USED FOR FILLING AND CHANGING BOTTLES OF HIGH-PRESSURE OXYGEN.



HIGH PRESSURE OIL FREE OXYGEN BOTTLEFILLING MACHINE

► SCOPE OF APPLICATION

THE EXHAUST PRESSURE OF THIS SERIES OF AIR-COOLED COMPRESSORS IS GENERALLY 15-20MPA (G), AND THE FLOW RANGE IS 1-50NM³/H. IT IS MAINLY USED FOR FILLING AND CHANGING BOTTLES OF HIGH-PRESSURE OXYGEN.



HIGH PRESSURE OIL FREE OXYGEN BOTTLEFILLING MACHINE

► SCOPE OF APPLICATION

THE EXHAUST PRESSURE OF THIS SERIES OF AIR-COOLED COMPRESSORS IS GENERALLY 15-20MPA (G), AND THE FLOW RANGE IS 1-5NM³/H. IT IS MAINLY USED FOR FILLING AND CHANGING BOTTLES OF HIGH-PRESSURE OXYGEN. REPLACE THE DIAPHRAGM COMPRESSOR.



OIL-FREE OXYGEN COMPRESSOR

► SCOPE OF APPLICATION

RUNNING TIME ACCUMULATION SYSTEM, RESERVED REMOTE CONTROL INTERFACE. BUFFERS ARE SET AT THE AIR INLET AND OUTLET, AND THE CONTROL SYSTEM PROMPTS TO CONTROL THE PRESSURE OF THE AIR INLET AND OUTLET TO AVOID VACUUMING.



SILENT OIL-FREE OXYGEN COMPRESSOR

► SCOPE OF APPLICATION

EQUIPPED WITH A SILENT BOX TO EFFECTIVELY REDUCE NOISE, IT IS SUITABLE FOR PLACES WHERE NOISE IS REQUIRED.



OIL-FREE OXYGEN CIRCULATION COMPRESSOR

► SCOPE OF APPLICATION

IT IS SEALED WITH A ROTARY MAGNETIC FLUID SEAL AND MATCHED WITH A CLOSED OXYGEN CIRCULATION SYSTEM TO ENSURE NO LEAKAGE, AND THE OXYGEN PURITY IS 99.999%. SPECIAL CUSTOMIZATION IS SUPPORTED.



N₂ OIL-FREE NITROGEN TURBOCHARGER SERIES

PRODUCT INTRODUCTION >>>

ALL OIL-FREE DESIGN, THE GUIDE RING AND PISTON RING ARE MADE OF SELF-LUBRICATING MATERIALS, 100% OIL-FREE LUBRICATION, AND THE BEARING PARTS ARE LUBRICATED WITH HIGH-TEMPERATURE GREASE TO AVOID GAS POLLUTION DURING THE COMPRESSION PROCESS AND ENSURE GAS PURITY.

THIS SERIES OF COMPRESSORS IS SUITABLE FOR PRESSURIZATION, VOLTAGE STABILIZATION, POWER AND PURGING IN THE PROCESS FLOW, AND CAN ALSO PROVIDE A STABLE GAS SOURCE FOR POWER PLANTS, FOOD INDUSTRY, MEDICINE AND EXPERIMENTAL RESEARCH UNITS.

OIL-FREE NITROGEN SUPERCHARGER

▶ SCOPE OF APPLICATION

WITH STUFFING BOX DESIGN, THE GAS IN THE COMPRESSION CHAMBER IS SEALED THROUGH THE STUFFING BOX AND DOES NOT ENTER THE CRANKCASE BODY, WHICH CAN COMPRESS FLAMMABLE, EXPLOSIVE AND CORROSIVE GASES SUCH AS OXYGEN, NATURAL GAS, AND CARBON DIOXIDE.



EXPLOSION-PROOF NITROGEN SUPERCHARGER

▶ SCOPE OF APPLICATION

THE ELECTRICAL EQUIPMENT ADOPTS A FULL EXPLOSION-PROOF DESIGN TO PREVENT THE GENERATION OF ELECTRIC SPARKS, AND IS SUITABLE FOR USE IN PLACES WITH STRICT REQUIREMENTS FOR EXPLOSION-PROOF.



OIL-FREE NITROGEN SUPERCHARGER

▶ SCOPE OF APPLICATION

WITH THE GUIDE MIDDLE BODY DESIGN, THE BEARING AND GREASE ARE FAR AWAY FROM THE COMPRESSION CHAMBER, WHICH IMPROVES THE SERVICE LIFE OF THE COMPRESSOR. THE STAINLESS STEEL PIPELINE AND THE INTAKE AND EXHAUST BUFFER TANK ARE CLEAN AND BEAUTIFUL.



SCREW TYPE OIL-FREE NITROGEN SUPERCHARGER

▶ SCOPE OF APPLICATION

OIL-FREE AND WATER-LUBRICATED, SUITABLE FOR ATMOSPHERIC AND LOW-PRESSURE NITROGEN BOOSTING, AND CAN BE MADE INTO AN EXPLOSION-PROOF MACHINE.



MULTI-UNIT NITROGEN SUPERCHARGER

▶ SCOPE OF APPLICATION

THE NITROGEN IS SUPERCHARGED, AND THE EXHAUST PRESSURE CAN REACH 20MPA. CONTROLLED BY PLC, IT CAN BE RUN INDEPENDENTLY BY A SINGLE MACHINE OR WITH MULTIPLE MACHINES AT THE SAME TIME.



OIL-FREE SPECIAL GAS RECOVERY COMPRESSOR SERIES

PRODUCT INTRODUCTION >>>

THE MAIN ENGINE IS FULLY SEALED, AND THERE IS NO POLLUTION AND LEAKAGE OF THE COMPRESSED MEDIUM. IT CAN BE USED FOR THE COMPRESSION AND RECOVERY OF TOXIC, RARE AND PRECIOUS GASES SUCH AS SULFUR HEXAFLUORIDE, HELIUM, METHANE, AMMONIA, FREON, CARBON DIOXIDE, ETC.

SULFUR HEXAFLUORIDE COMPRESSOR

▶ SCOPE OF APPLICATION

THE SHAFT HEAD SEAL IS SEALED WITH A ROTARY MAGNETIC FLUID SEAL. EFFECTIVELY PREVENT THE LEAKAGE OF SULFUR HEXAFLUORIDE GAS, REDUCE GAS LOSS, ENSURE THE SAFETY AND HEALTH OF OPERATORS, AND AVOID ENVIRONMENTAL POLLUTION CAUSED BY TOXIC AND HARMFUL SUBSTANCES.

PRODUCT APPLICATION:

THIS SERIES OF COMPRESSORS IS SUITABLE FOR THE RECOVERY AND TREATMENT OF SULFUR HEXAFLUORIDE GAS.



HYDROGEN COMPRESSOR

▶ SCOPE OF APPLICATION

MULTI-STAGE COMPRESSION, FULL EXPLOSION-PROOF DESIGN, INSTALLATION OF WATER-COOLED HEAT EXCHANGER, LOW TEMPERATURE OF COMPRESSED GAS.

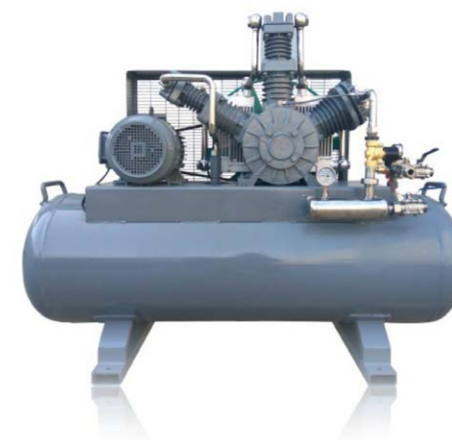
THIS SERIES OF COMPRESSORS COMPRESS LOW-PRESSURE HYDROGEN AND CAN BE USED FOR LABORATORY HYDROGENATION REACTIONS AND HYDROGEN CIRCULATION TESTS.



HELIUM RECOVERY COMPRESSOR

▶ SCOPE OF APPLICATION

IT IS SUITABLE FOR HELIUM RECOVERY AND PRESSURIZATION IN THE FIELDS OF LOW TEMPERATURE SUPERCONDUCTIVITY RESEARCH, GAS CHROMATOGRAPHY ANALYSIS, MATERIAL HEAT TREATMENT, PRESSURE TESTING, SEALING TESTING, MEDICAL TECHNOLOGY SCIENTIFIC RESEARCH EXPERIMENTS, ETC.



CARBON DIOXIDE COMPRESSOR

▶ SCOPE OF APPLICATION

ACCORDING TO THE WEAK ACID REACTION OF CARBON DIOXIDE IN CONTACT WITH WATER, THE PROFESSIONAL COMPONENTS AND PIPELINES ARE DESIGNED WITH CORROSION-RESISTANT STAINLESS STEEL, AND THE VALVE PLATE IS DURABLE AND CORROSION-RESISTANT. IT IS SUITABLE FOR UNLOADING, LOADING, AND BOTTLE REPLACEMENT OF PROCESS GAS.



ARGON RECOVERY COMPRESSOR

▶ SCOPE OF APPLICATION

IT HAS GOOD SEALING PERFORMANCE, DOES NOT POLLUTE THE RECOVERED GAS, AND ENSURES THE PURITY OF THE GAS. IT IS USED FOR FILLING AND BOTTLE REPLACEMENT OF BOTTLED ARGON.



Hih pressure OIL-FREE OXYGEN BOOSTER (FILLING CYLINDER-CUSTOMIZE)

PARAMETER TABLE

O₂

| Model | Intake pressure (Mpa) | Exhaust pressure (Mpa) | Exhaust volume (m ³ /h) | power (Kw) | Compression stage | Suitable for oxygen generator (Nm ³ /h) | Rotating speed (r/min) | Dimensions LxWxH(mm) | Import and export size | Weight (kg) |
|-----------------------|-----------------------|------------------------------|------------------------------------|------------|-------------------|--|------------------------|----------------------|------------------------|-------------|
| WWZ-1~200/2~5/150~200 | 2~5bar (customize) | 150bar or 200bar (customize) | 0~200 or bigger (customize) | customizes | 2~4 | customize | customize | | | |

NEW OIL-FREE NITROGEN BOOSTER

PARAMETER TABLE

N₂

| Model | Intake pressure (Mpa) | Exhaust pressure (Mpa) | Exhaust volume (m ³ /h) | power (Kw) | Compression stage | Suitable for oxygen generator (Nm ³ /h) | Rotating speed (r/min) | Dimensions LxWxH(mm) | Import and export size | Weight (kg) |
|-------------|-----------------------|------------------------|------------------------------------|------------|-------------------|--|------------------------|----------------------|------------------------|-------------|
| VWN-80/5-25 | 0.5 | 2.5 | 80 | 11 | 2 | 80 | 860 | 1250X700X1000 | Rc1/Rc1 | 280 |
| VWN-70/5-25 | 0.5 | 2.5 | 70 | 11 | 2 | 70 | 720 | 1250X700X1000 | Rc1/Rc1 | 275 |
| VWN-60/5-25 | 0.5 | 2.5 | 60 | 7.5 | 2 | 60 | 860 | 1250X700X1000 | Rc1/Rc1 | 265 |
| VWN-50/5-25 | 0.5 | 2.5 | 50 | 7.5 | 2 | 50 | 720 | 1250X700X1000 | Rc1/Rc1 | 265 |
| VWN-40/5-25 | 0.5 | 2.5 | 40 | 5.5 | 2 | 40 | 640 | 1050X500X1000 | Rc1/Rc1 | 255 |
| VWN-30/5-25 | 0.5 | 2.5 | 30 | 4.0 | 2 | 30 | 470 | 1050X500X1000 | Rc1/Rc1 | 250 |
| VWN-60/5-30 | 0.5 | 3.0 | 60 | 11 | 2 | 60 | 860 | 1050X700X1000 | Rc1/Rd | 280 |
| VWN-40/5-30 | 0.5 | 3.0 | 40 | 5.5 | 2 | 40 | 640 | 1050X500X1000 | Rc1/Rc1 | 255 |
| VWN-50/5-35 | 0.5 | 3.5 | 50 | 11 | 2 | 50 | 860 | 1050X700X1000 | Rc1/Rc1 | 285 |
| VWN-30/5-35 | 0.5 | 3.5 | 30 | 5.5 | 2 | 30 | 640 | 1050X500X1000 | Rc1/Rc1 | 255 |

TRADITIONAL OIL-FREE OXYGEN NITROGEN BOOSTER

PARAMETER TABLE

O₂ N₂

| Model | Intake pressure (Mpa) | Exhaust pressure (Mpa) | Exhaust volume (m ³ /h) | power (Kw) | Compression stage | Suitable for oxygen generator (Nm ³ /h) | Dimensions LxWxH(mm) | Import and export size | Weight (kg) | Remark |
|------------|-----------------------|------------------------|------------------------------------|------------|-------------------|--|----------------------|------------------------|-------------|---|
| ZW-0.03/10 | 0-0.2 | 1.0 | 0.03-0.09 | 0.75 | 1 | 1.8-5.4 | 800X350X700 | Rc1/2/Rc1/2 | 74 | <p>Maximum displacement: 200Nm³/h</p> <p>Greatest pressure: 2.5Mpa</p> |
| VW-0.06/10 | 0-0.2 | 1.0 | 0.06-0.18 | 1.5 | 1 | 3.6-10.8 | 800X400X700 | Rc1/2/Rc1/2 | 85 | |
| VW-0.12/10 | 0-0.2 | 1.0 | 0.12-0.36 | 2.2 | 2 | 7.2-21.6 | 1220X470X870 | Rc1/Rc1 | 160 | |
| VW-0.16/10 | 0-0.2 | 1.0 | 0.16-0.48 | 2.2 | 2 | 9.6-28.8 | 1220X470X870 | Rc1/Rc1 | 165 | |
| VW-0.2/10 | 0-0.2 | 1.0 | 0.2-0.6 | 3.0 | 2 | 12-36 | 1220X470X870 | Rc1/Rc1 | 170 | |
| VW-0.2/14 | 0-0.2 | 1.4 | 0.2-0.6 | 3.0 | 2 | 12-36 | 1220X470X870 | Rc1/Rc1 | 170 | |
| WW-0.3/10 | 0-0.2 | 1.0 | 0.3-0.9 | 4.0 | 2 | 18-54 | 1220X520X940 | Rc1/Rc1 | 221 | |
| WW-0.4/10 | 0-0.2 | 1.0 | 0.4-1.2 | 5.5 | 2 | 24-72 | 1220X520X940 | Rc1/Rc1 | 230 | |
| WW-0.6/10 | 0-0.2 | 1.0 | 0.6-1.8 | 5.5 | 2 | 36-108 | 1470X570X970 | Rc1/Rc1 | 245 | |
| WW-0.8/10 | 0-0.2 | 1.0 | 0.8-2.4 | 7.5 | 2 | 48-144 | 1470X670X1100 | Rc1/Rc1 | 280 | |

INSTRUCTIONS FOR MODEL PREPARATION OF OIL-FREE SUPERCHARGER

NEW OXYGEN BOOSTER ▶▶▶

VWY-□/□-□

oxygen

Exhaust pressure (bar)

Intake pressure (bar)

Air intake (Nm³/h)

NEW SILENT OXYGEN BOOSTER ▶▶▶

VWYD-□/□-□

mute

Exhaust pressure (bar)

Intake pressure (bar)

Air intake (Nm³/h)

TRADITIONAL OXYGEN BOOSTER ▶▶▶

VWY-□/□

Exhaust pressure (bar)

Air intake (Nm³/h)

TRADITIONAL SILENT OXYGEN BOOSTER ▶▶▶

VWD-□/□

mute

Exhaust pressure (bar)

Air intake (Nm³/h)