Runhe®

Dandong Runhe Seal Co.,Ltd.

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Runhe®



Specialized in the design, R&D and manufacturing of mechanical seals and seal support systems.

Delivering customized sealing solutions!

DANDONG RUNHE SEAL CO.,LTD.

SPECIALIZED IN MECHANICALSEALS & SUPPORT SYSTEMS

Mechanical seals and seal support systems for various service conditions complying with API-682 standard.
Integrating design, research and development, production, sales and services.
Provide technical consultation, type selection, maintenance supporting services and customized solutions.



CONTENTS

- Company Profile 01
- Product Application 03
- Corporate Culture 04
- Development Process 05
- Core Strengths 07
- Qualification 11
- Corporate Honors 13
- Our Factory 15
- Our Team 18
- Core Products 19
- API 682 Plan 31
- Marketing Network 33



COMPANY PROFILE

DEVOTE DEEPLY TO SEALING INDUSTRY FORGE PROFESSIONAL STRENGTH.

Dandong Runhe Seal Co., Ltd. was founded in 2008. It is a comprehensive manufacturing enterprise integrating design, research and development, production, sales and services of sealing products. Having been deeply engaged in the mechanical seal industry for many years, the company has obtained multiple qualifications including National High-Tech Enterprise, Provincial Specialized, Refined, Differential and Innovative Small-and-Medium-sized Enterprise and Above-Scale Industrial Enterprise. It is a member unit of China General Machinery Industry Association (CGMA) and Liaoning Private Enterprises Association, with its comprehensive strength ranking among the forefront of the industry.

The company has established long-term university-enterprise R&D cooperation with Liaoning College of Mechatronics Engineering to continuously iterate product technologies and optimize product quality. Supported by mature five-axis precision processing equipment, a professional production and inspection team and a complete quality-control system, the company can provide customized sealing processing solutions for demands from various industries with stable and reliable flexible production capacity.

As of 2026, the company has 90 employees. Its annual output value is expected to exceed 50 million RMB, and the enterprise scale and production capacity grow steadily.

Dandong Runhe Seal Co.,Ltd. focuses on two core products: mechanical seals and seal support systems. With a complete product portfolio, stable performance and wide adaptability, our products serve numerous industrial fields including petrochemical, papermaking, food and pharmaceutical, electric power, oilfield and metallurgy.

Based on the pain points of various complex working conditions, the company devotes itself to customized research, development and production to accurately meet customers' personalized working-condition requirements. Supported by reliable product quality and comprehensive supporting services, our products sell well in the domestic market and are exported overseas, providing solid guarantees for the sealing safety of industrial equipment.

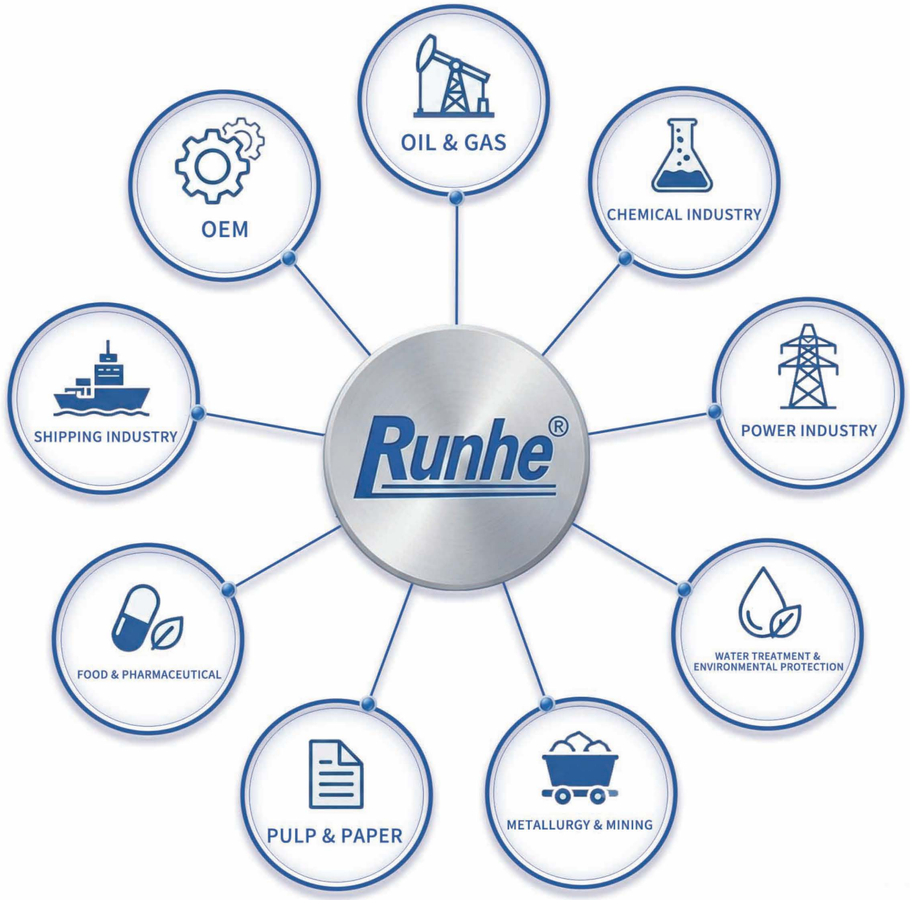
With profound industry accumulation, a professional talent team, rigorous quality control system, exquisite manufacturing techniques and efficient on-site services, Dandong Runhe Seal Co., Ltd. has developed into a highly competitive emerging enterprise in the sealing industry.

Since its establishment, adhering to the core value of "Benefit the world with sincerity, pursue harmony for long-term development" and the corporate mission of "Strive for Made in China, win with harmony to build a national brand", all staff commit themselves to dedicated work and the pursuit of ultimate quality, striving to realize the corporate vision of "Unity of heaven, earth and humanity, achieve brilliant development of Runhe".

Going forward, guided by the development strategy of "Customer First, Innovation-led, Efficiency-driven, Global Breakthrough", and positioned as a high-value brand enterprise featuring specialization, refinement, differentiation and innovation, the company will continue to delve deep into the sealing sector, keep upgrading its products and services, and deliver cost-effective products and premium services for new and existing customers. We sincerely hope to join hands with partners from all walks of life to pursue mutual benefits and create a promising future together.



PRODUCT APPLICATION





CORPORATE CULTURE

CORPORATION MISSION	PURSUE THE DREAM OF MADE IN CHINA, FORGE NATIONAL RENOWNED BRANDS
CORPORATION VISION	HARMONIZE ALL REALMS, ACHIEVE PROSPERITY OF RUNHE
CORE VALUES	MOISTEN THE WORLD, HARMONY LEADS TO ETERNITY
DEVELOPMENT STRATEGY	CUSTOMER FIRST, INNOVATION LEADING, EFFICIENCY DRIVEN, GLOBAL EXPANSION.

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Development Process

DEVELOPMENT PROCESS

Since its establishment in 2008, Dandong Runhe Seal Co.,Ltd. has been deeply rooted in the industrial sealing sector. Upholding ingenuity and staying true to its original aspiration, the company has advanced steadily and achieved leap-forward development from a start-up enterprise to a national high-tech enterprise. Below are the key milestones in the company’ s development:

2008
Set Sail

On March 20, 2008, Dandong Runhe Seal Co., Ltd. was officially founded and stationed at the Instrument & Meter Industrial Base within Dandong Lingang Industrial Park, Liaoning.

Starting with mechanical seal products, the company embarked on its entrepreneurial journey. Guided by the core philosophy of “professionalism for excellence”, the founding team committed itself to building a reliable indigenous brand in the industrial sealing industry.

2009-2018
Lay a Solid Foundation for Growth

After more than ten years of intensive development, the enterprise has gradually grown from initial-stage exploration to stable operation, with its product portfolio continuously upgraded from low-end to mid-to-high-end levels.

The plant area has expanded from the original 900 square meters, accompanied by steady improvement in production capacity and craftsmanship.

Its product application scope keeps expanding, covering multiple industrial sectors including petroleum refining, chemical processing, papermaking, food, pharmaceuticals, thermal power generation and metallurgy.

2019-2021
Led by Technology, Upgraded to High-Tech Enterprise

Dandong Runhe Seal Co., Ltd. was successfully included in the List of Science- and Technology-based Small- and Medium-sized Enterprises of Liaoning Province, gaining high official recognition for its technological innovation and R&D capabilities.

In the same year, the company was accredited as a National High-tech Enterprise. This milestone demonstrates that it has achieved industry-leading performance in core independent intellectual property rights as well as the transformation capacity of scientific and technological achievements.

Furthermore, Dandong Runhe Seal Co., Ltd. joined the Liaoning Private Enterprises Association, growing alongside other outstanding enterprises to jointly promote regional industrial development.

2022-2025
Quality & Efficiency Improvement, Dual-wheel Drive

The company actively promoted digital transformation and upgrading, introducing precision-processing and testing equipment to enhance manufacturing capacity and quality control standards.

It carried out university-enterprise cooperation with Liaoning Mechatronics College, leveraging the university’ s scientific research resources to accelerate product R&D and quality improvement.

Adopting a differentiated competition strategy, the company secured orders from multiple foreign-funded enterprises, with its brand influence steadily growing.

In 2024, the company’ s output value exceeded 30 million RMB, marking a new high in business performance.

2026-Present
Expand Production Capacity, March Toward New Heights

Faced with continuously growing order demands, the company is operating at full capacity. Its output value for the first quarter is projected to rise by 50% year-on-year.

The official launch of the plant expansion project will further increase the total plant area to build momentum and lay solid foundations for the company’ s future development.

Upon completion of the expansion, the annual output value is expected to double, with overall improvements in production capacity and delivery performance.

The company is advancing steadily toward its goal of building a value-oriented brand featuring specialization, refinement, uniqueness and innovation.

OUR CORE STRENGTHS

Dandong Runhe Seal Co., Ltd. has specialized in mechanical seal products since its founding in 2008. Through continuous accumulation in manufacturing equipment, precision testing, technological R&D, talent team building, service network and internal management, the company has built comprehensive core competitiveness, underpinning its sustained high-quality development.

Strong Manufacturing Advantages

We owns hundreds of sets of various production equipment, including dozens of CNC machining centers. Among them are advanced TEMA SPINNER 5-axis machining centers, 4-axis horizontal machining centers, 3-axis CNC vertical machining centers, as well as multiple CNC lathes, CNC welding machines, wire electrical discharge machines (WEDM) and electrical discharge machining (EDM) machines. This forms a complete CNC machining fleet to satisfy production requirements for parts of diverse specifications and batch sizes.

In addition, we are equipped with specialized process equipment such as CNC laser grooving machines, high-precision grinders, CNC vacuum quenching and aging furnaces, and micro-beam plasma welders, providing robust support for manufacturing high-end products. Complemented by a full range of general machining equipment, we have established a well-balanced equipment portfolio combining high-end and mid-range machines, general-purpose and special-purpose units. This enables us to flexibly meet manufacturing demands for a wide spectrum of products.



Comprehensive Testing Advantages

The company is equipped with various test and inspection devices as well as seal running test benches, including professional seal parameter testing instruments such as seal flatness testers, seal fatigue testing machines, seal spring force detectors and electronic depth gauges. We also deploy material analysis instruments including portable optical spectrometers, Vickers hardness testers and Shore hardness testers. This setup enables full-process quality control covering raw material incoming inspection through finished product delivery, delivering comprehensive inspection capacity: from precise quantification of key product performance indicators to the determination of material elemental composition and hardness values.

The company has established a complete inspection and testing system. We rigorously implement a four-level inspection regime: incoming raw material inspection, in-process production inspection, product testing and pre-delivery inspection. At every stage, qualified inspectors conduct tests with precision equipment and scientific test methodologies. We fully comply with the requirements of ISO9001 Quality Management System, ISO14001 Environmental Management System and ISO45001 Occupational Health and Safety Management System to guarantee superior and consistent product quality.

Talent Advantages

Dandong Runhe Seal Co., Ltd. adheres to the people-oriented philosophy. It attracts and nurtures a cohort of professional technicians and high-caliber management talents with extensive experience in the mechanical sealing industry, establishing a well-structured and experienced talent echelon.

At present, the company has built a professional team covering core business segments: market development, technological R&D, process design, manufacturing, quality inspection, enterprise management and customer service. Backbone employees are equipped with solid professional competence and strong professionalism, acting as the core driving force behind the company’ s continuous innovation and stable growth.

Technology and R&D Advantages

Dandong Runhe Seal Co., Ltd keeps advancing the development of its technological innovation system, building systematic technological competitive advantages in qualification platforms, industry-university-research cooperation, intellectual property rights and customized design.

Qualification Platforms

As a National High-tech Enterprise, the company holds membership in the Mechanical & Packed Static Seal Branch of China Hydraulics Pneumatics & Seals Association and the Pump Branch of China General Machinery Industry Association. Its technical standing and brand influence within the industry have gained authoritative recognition.

Industry-University-Research Collaboration

The company has established long-term university-enterprise partnerships with domestic institutions of higher learning. Drawing on universities' scientific research resources, it carries out joint technical research focusing on new-material application, sealing-performance optimization and personalized customization to accelerate technological innovation and achievement transformation.

Intellectual Property Rights

Since its foundation, the company has consistently attached great importance to investment in technological R&D. It has obtained multiple patents and built a core-technology system with independent intellectual property rights, enhancing product competitiveness under specific application scenarios.

Customized Design Capability

The company possesses solid customized design and manufacturing capabilities. In accordance with working-condition characteristics of different industries and clients' differentiated requirements, it delivers personalized sealing technical solutions to satisfy diverse industrial application scenarios.



Service Advantages

Dandong Runhe Seal Co., Ltd. operates multiple offices nationwide, covering major provinces, municipalities directly under the Central Government and autonomous regions of China. Meanwhile, the company has built an agent network in multiple countries around the world, forming a three-dimensional service framework featuring in-depth domestic regional coverage and multi-site global layout. It is committed to delivering demand-oriented and swiftly-responsive localized support for customers.
Dandong Runhe Seal Co., Ltd. has established a full-lifecycle service system encompassing pre-sales technical selection consultation, in-sales solution design, after-sales installation guidance and fault diagnosis. The company strives to respond to customer requirements in the shortest possible time and provide comprehensive, professional technical services.

Internal Management Advantages

Management System Certifications

The company has obtained three authoritative certifications: ISO 9001 Quality Management System, ISO 14001 Environmental Management System and ISO 45001 Occupational Health and Safety Management System. A standardized and formalized modern enterprise management structure has been established.

Digital Transformation

Actively advancing digital-management upgrading, the company has deployed information-based management platforms including OA approval system, ERP management system and Customer Relationship Management (CRM) system, effectively improving internal collaboration efficiency and management transparency.

Refined Management

By continuously recruiting mid-to-senior management talents, steadily optimizing internal control procedures, and strengthening system implementation and performance assessment, the company has built systematic management advantages in supply-chain management, production scheduling, cost control and quality traceability. This lays a solid managerial foundation for the enterprise's scaled-up development and sustained expansion.



QUALIFICATION













CORPORATE HONORS



















OUR FACTORY



Spring Element Stiffness Tester



Seal Test Bench for Reactors



High-Precision Lapping Machine



Optical Flat Tester



Laser Engraving Machine



Coordinate Measuring Machine



5-Axis Machining Center



CNC Machining Center

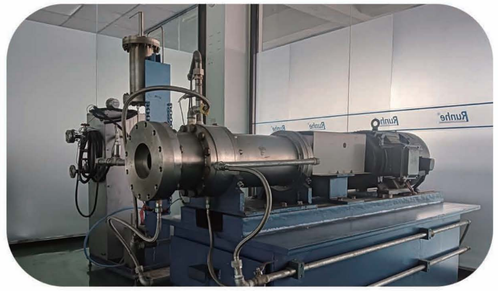


CNC Machining Workshop

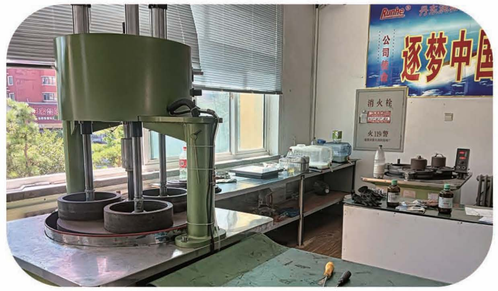




MICRO-BEAM PLASMA WELDER



MECHANICAL SEAL
HIGH-TEMPERATURE TEST BENCH



LAPPING WORKSHOP



FULL-AUTOMATIC TIG WELDER



DRILLING & MILLING WORKSHOP



CNC TURNING WORKSHOP



INSPECTION CENTER



WAREHOUSING CENTER

OUR TEAM





ESPRIT
DE CORPS





COMPANIONSHIP



Dandong Runhe Seal Co., Ltd. features an efficient and collaborative team covering R&D, production, quality inspection, domestic sales, international trade and technical service. All team members have long been engaged in the mechanical sealing industry. Supported by solid technical know-how and abundant project experience, we earnestly address diverse working condition demands globally, and manufacture premium sealing products through joint efforts.

The company attaches great importance to talent development and team culture. We organize regular technical seminars, professional training and industry exchanges, fostering an inclusive, pragmatic and progressive working atmosphere. United by craftsmanship and mutual respect, every member fulfills their duties and supports one another, enabling us to deliver consistent and dependable sealing solutions for global partners over the long run.

CORE PRODUCTS

We specialize in three major businesses: mechanical seals, seal auxiliary systems and precision machining. Our products are widely applied in petroleum, chemical, papermaking, food,pharmaceutical,electric power, oilfield, metallurgy and other industries.

PRODUCT CLASSIFICATION

●Pump Mechanical Seals

Rubber bellows mechanical seals, spring mechanical seals, metal bellows mechanical seals, particle medium mechanical seals, high-parameter mechanical seals

●Reactor Mechanical Seals

Spring type reactor mechanical seals, metal bellows reactor mechanical seals

●Compressor Seals

Compressor spring mechanical seals, compressor metal bellows mechanical seals, carbon ring seals

●Engineering Seals

High-pressure seals, high-speed seals, high-temperature seals, cryogenic seals, slurry seals

●Other Seals

Magnetic seals, labyrinth seals, rubber sealing rings, PTFE gaskets

●Mechanical Seal Support Systems

Heat exchangers, liquid storage tanks, collection tanks, piston accumulators, hydrocyclone , magnetic circulation pumps, hand pumps, hand trolleys, oil stations, water stations and other system accessories; full-range complete support systems complying with API 682 standard.

MECHANICAL SEAL FOR PUMPS

Performance Parameters
- Pressure： -0.1 ~ 14 MPa
- Temperature： -75 ~ 400 °C
- Shaft Size： 10 ~ 200 mm
- Speed： 0 ~ 25000 rpm

Targeted type selection and material selection as well as customized design ensure the optimal sealing solutions.

Typical Applications
Our products are widely used in various centrifugal pumps, pipeline pumps and chemical process pumps for petroleum transportation, petroleum refining, petrochemical industry, coal chemical industry, chemical fertilizer, electric power, food, pharmaceutical, papermaking, environmental protection, natural gas, mining, shipping and other fields.















Runhe®

MECHANICAL SEALS FOR REACTORS

Performance Parameters
- Pressure：-0.1~4.0MPa
- Temperature：-75~300°C
- Shaft Diameter：30~200mm
- Rotating Speed：⩽1450rpm

Adopt targeted selection of models and materials and exclusive design to deliver the optimal sealing solution.

Typical applications:
The product finds extensive application in agitators, reactors, and polymerization vessels serving a broad range of industries, including petrochemicals, coal chemicals, fertilizers, food processing, pharmaceuticals, pulp & paper,



Runhe®

MECHANICAL SEALS FOR COMPRESSORS

Performance Parameters
- Pressure：-0.1~6.5MPa
- Temperature：-40~250°C
- Shaft Diameter：50~200mm
- Rotating Speed：⩽3500rpm

We implement targeted model and material selection plus customized design to ensure the best sealing solution.

Typical Applications: Our products are widely used in various centrifugal compressors and screw compressors for gas transmission, petroleum refining, petrochemical industry, coal chemical industry, chemical fertilizer, natural gas and other fields.









ENGINEERING SEALS

Performance Parameters
- Pressure：-0.1~14MPa
- Temperature：-75~400℃
- Shaft Diameter：10~250mm
- Rotating Speed：≤10000rpm

Specially designed for extreme working conditions such as high and low temperature, high pressure and large shaft diameter, we provide targeted sealing solutions to ensure stable operation of core equipment.

Typical Applications:
Widely applied to key equipment in petroleum transportation, petroleum refining, petrochemicals, coal chemicals, chemical fertilizers, power, food, pharmaceutical, papermaking, environmental protection, natural gas, mining, shipping and other industries.







Runhe®







OTHER SEALS

Magnetic Seals, Labyrinth Seals, Rubber Sealing Rings, PTFE Gaskets



MECHANICAL SEAL SUPPORT SYSTEM

Supply Scope

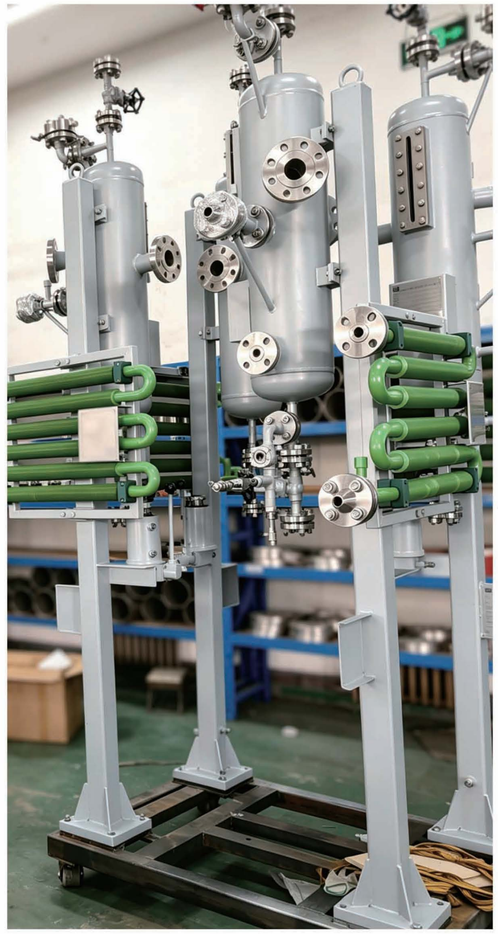
We supply functional components and complete sets of mechanical seal auxiliary systems complying with API682 standards, as well as customized products to meet diverse customer demands.

Typical Applications

Widely applied to various rotating equipment in petroleum transportation, petroleum refining, petrochemical, coal chemical, fertilizer, electric power, food, pharmaceutical, papermaking, environmental protection, natural gas, mining, marine and other industries.



PLAN53A Water Cooling



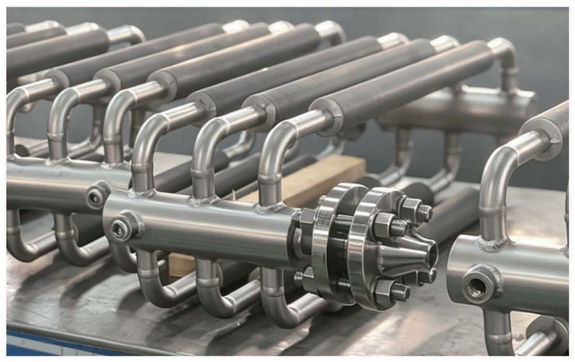
PLAN53A Air Cooling



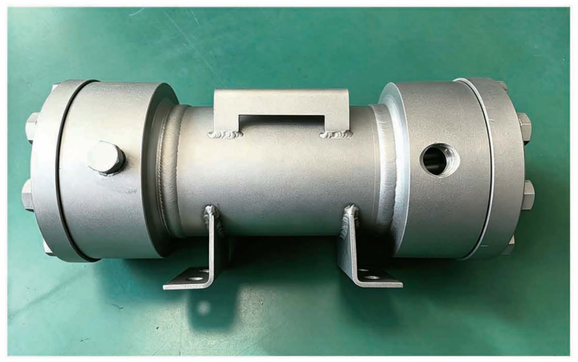
PLAN53B Water Cooling



RHR Water-Cooled Heat Exchanger



RFR Air-Cooled Heat Exchanger



RLR Shell & Tube Heat Exchanger



RG Reservoir

Runhe®
Core Products

MECHANICAL SEAL SUPPORT SYSTEM



PLAN53B Air Cooling



PLAN53B Circulation Pump



PLAN53C



PLAN52



RYZ Hydrocyclone



RSP Hand Pump



RCB Magnetic Drive Circulation Pump



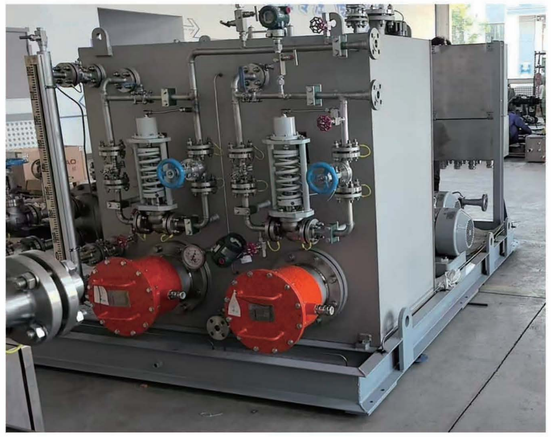
RC Piston Accumulator



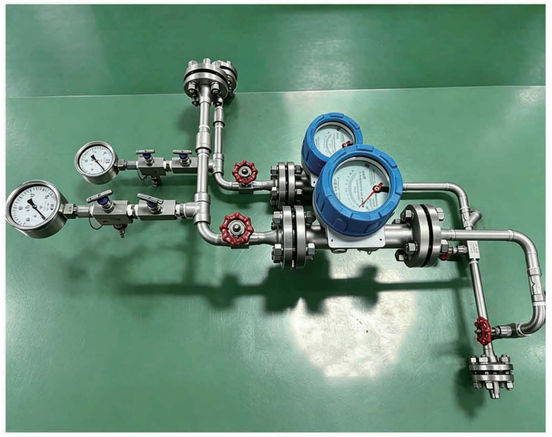
RSM **Hand Trolley**

Runhe®
Core Products

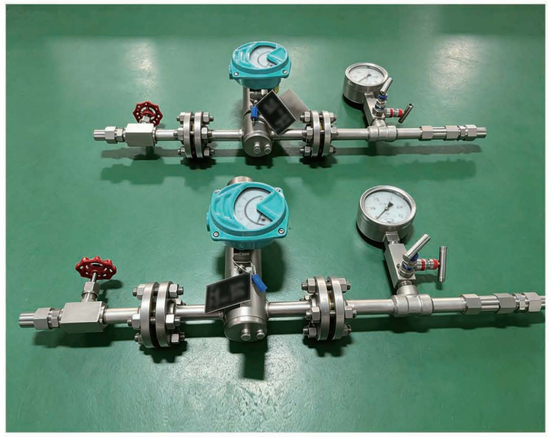
MECHANICAL SEAL SUPPORT SYSTEM



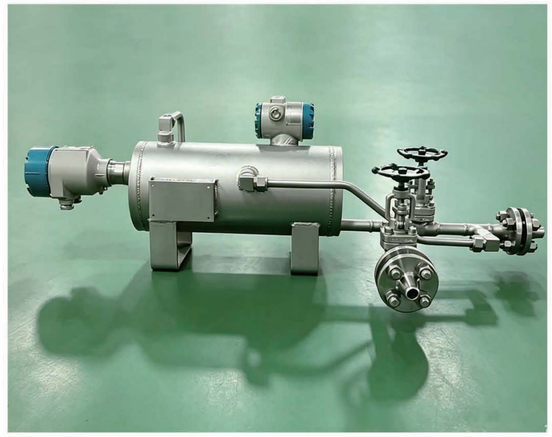
PLAN54



PLAN32



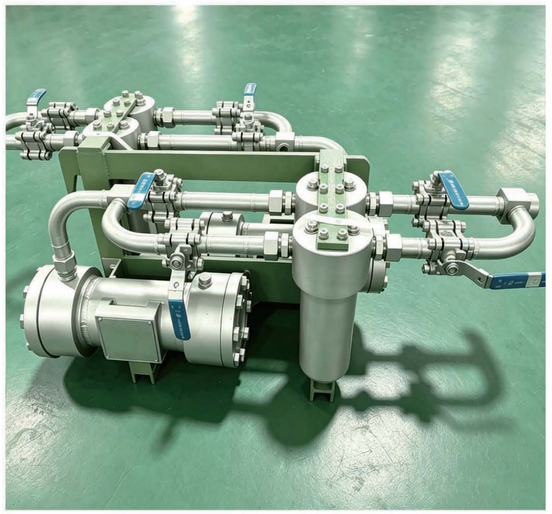
PLAN62



PLAN65



PLAN21/23



PLAN22



PLAN72+75



PLAN72+75



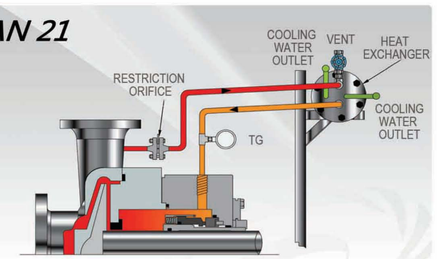
PLAN72+76

Runhe®

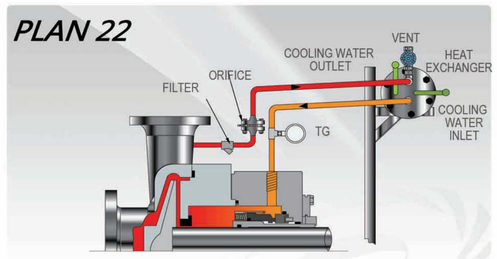
API 682 Plan

API 682 PLAN

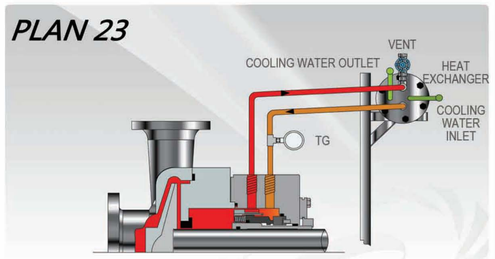
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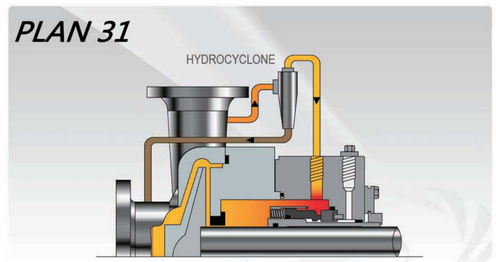
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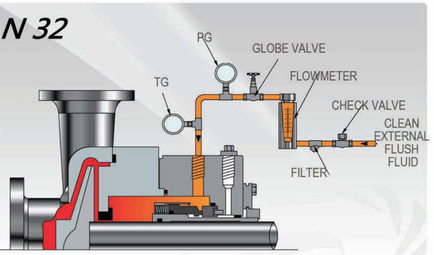
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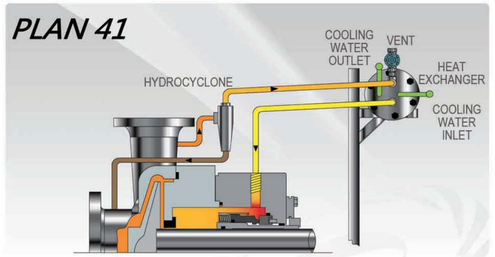
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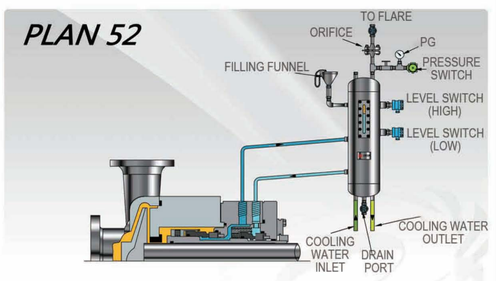
PLAN 32



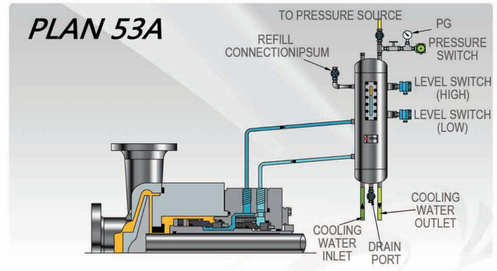
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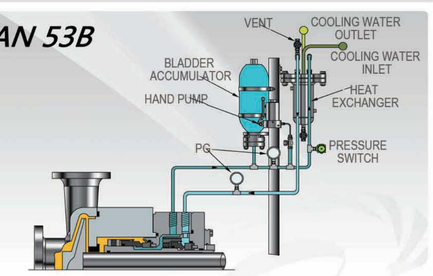
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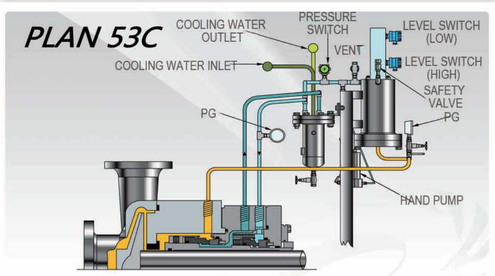
PLAN 53A



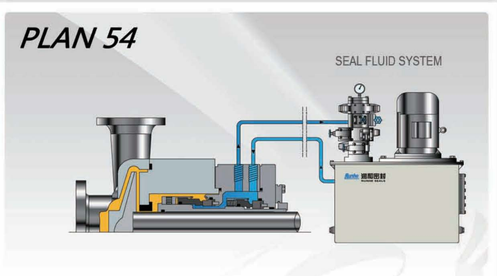
PLAN 53B



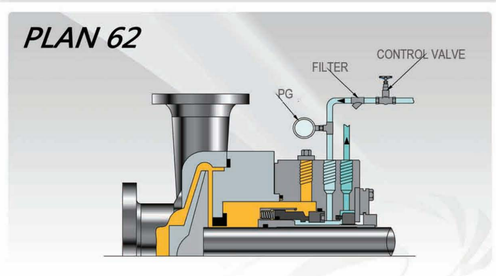
PLAN 53C



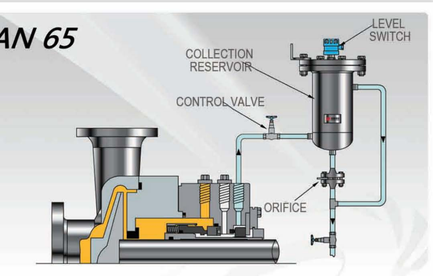
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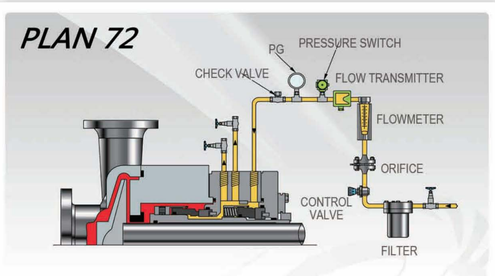
PLAN 62



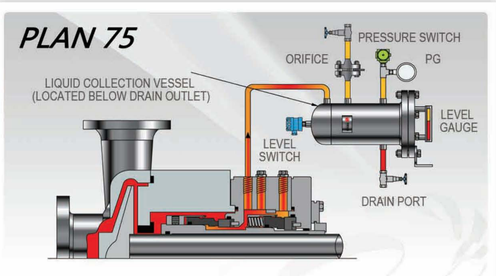
PLAN 65



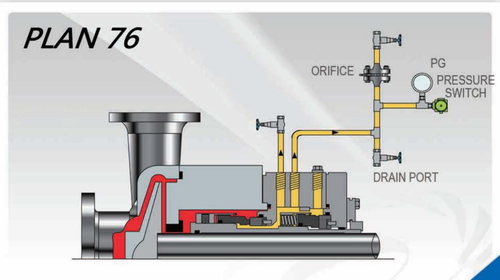
PLAN 72



PLAN 75



PLAN 76

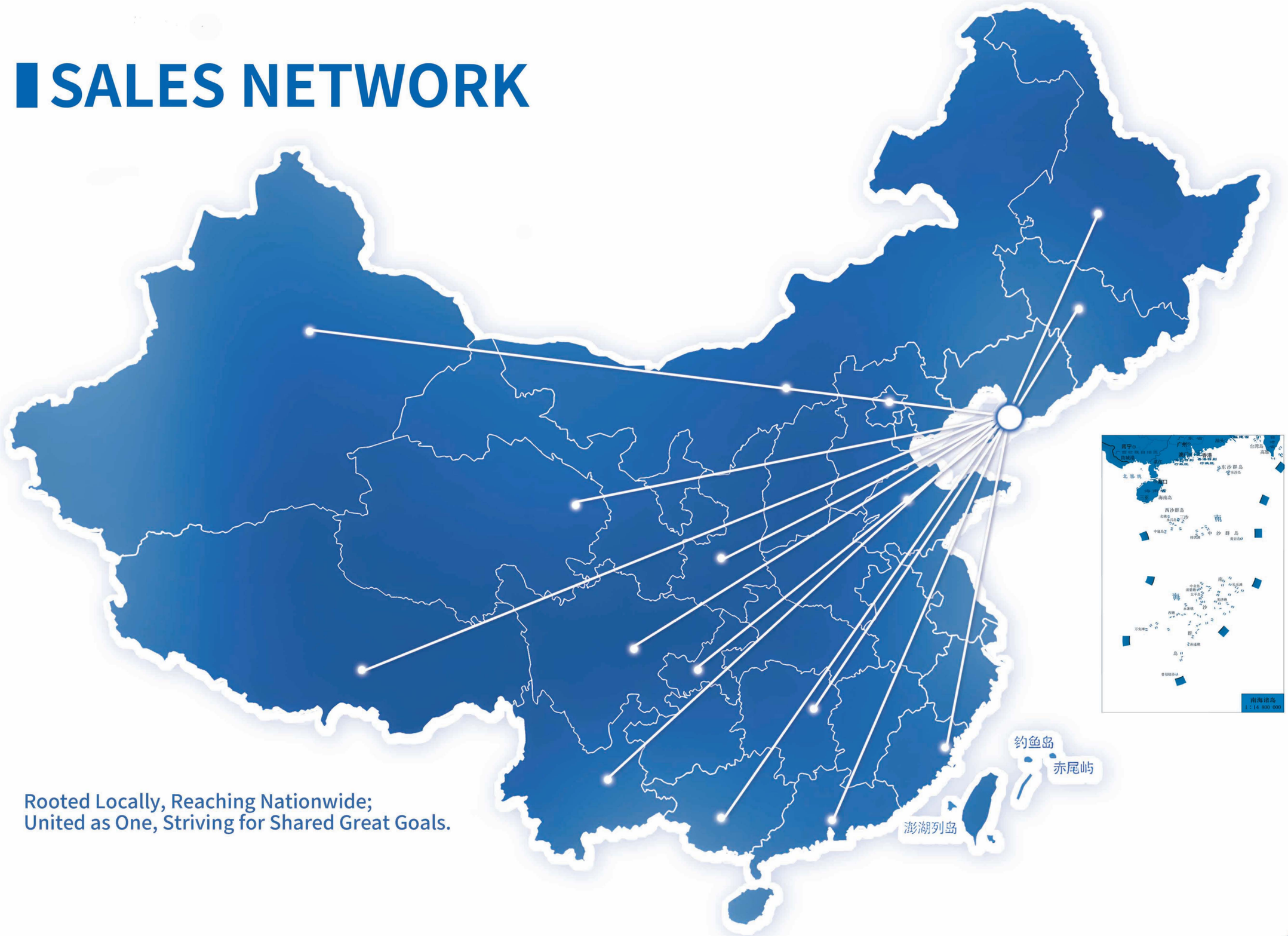


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