

Specification Sheet

Model	Max. pressure Mpa	Discharge capacity m³/min	Motor power kW	Weight kg	Con. Dia.	L*W*H (mm)		
POGWFD11	0.7	1.5	11	500	G1"	1500×870×1250		
	0.8	1.4						
	1.0	1.2						
POGWFD15	0.7	2.6	15	510				
	0.8	2.3						
	1.0	2.0						
POGWFD22	0.7	3.5	22	560				
	0.8	3.2						
	1.0	2.7						
POGWFD30	0.7	5.2	30	985	G1½"	1850×1180×1500		
	0.8	5.0						
	1.0	3.6						
POGWFD37	0.7	6.1	37	1000				
	0.8	5.8						
	1.0	5.1						
POGWD45	0.7	7.6	45	1375			G2"	2200×1350×1700
	0.8	7.0						
	1.0	6.0						
POGWD55	0.7	9.8	55	1455				
	0.8	9.1						
	1.0	8.0						
POGWFD45	0.7	7.6	45	1495	G2"	2200×1350×1700		
	0.8	7.0						
	1.0	6.0						
POGWFD55	0.7	9.8	55	1575				
	0.8	9.1						
	1.0	8.0						
POGWD75	0.7	13.0	75	1670			DN65	2150×1370×1700
	0.8	12.0						
	1.0	11.0						
POGWD90	0.7	16.0	90	1710				
	0.8	15.8						
	1.0	14.0						
POGWFD75	0.7	13.0	75	1990	DN65	2150×1370×2000		
	0.8	12.0						
	1.0	11.0						
POGWFD90	0.7	16.0	90	2375				
	0.8	15.8						
	1.0	14.0						
POGWD110	0.7	19.6	110	1825	DN80	2600×1470×1700		
	0.8	18.9						
	1.0	16.5						
POGWD132	0.7	23.3	132	2200				
	0.8	21.6						
	1.0	19.3						
POGWFD110	0.7	19.6	110	2410			DN80	3200×1570×2100
	0.8	18.9						
	1.0	16.5						
POGW)D132	0.7	23.3	132	2805				
	0.8	21.6						
	1.0	19.3						



OIL-FREE

Water lubricating Air Compressor

11-132kW



Energy-efficient Pioneer, Ganey Water-lubricating



No.10 Huatian Road, Ronggui High-tech Zone, Shunde District, Foshan City, Guangdong Province, P.R.China

Service Hotline
4008-300-511

Tel: 86-22909692 Fax: 86-757-28390730 P.O. 528305 Http://www.ganney.com.cn

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The world's **first entire**

stainless steel single-screw Air-end

More energy saving by **15%** than

Two-stage non-lubricant twin screw compressor

More energy saving by **36%** than

single-stage non-lubricant twin screw compressor

**Chinese oil-free screw compressor achieves
the efficiency standards of oil-inject screw compressor**

Avoid frequently high maintenance cost

of non-lubricated screw compressor

**Providing you the most energy-saving
oil-free compressor**



ABOUT US

Renowned as a sizable state-level hi-tech enterprise, Guangdong Gane Precision Machinery Co., Ltd, specializes in the researching & developing, manufacturing, and distributing the energy-efficient & environment-friendly air compressor. Gane possess independent Property Right for the Air Ends, and is successively authorized with over 10 pieces of inventive patent from China, U.S., U.K., France, & Japan.

Gane presently covers scroll, single screw, double screw, two-stage screw, centrifugal product range, and includes the product lines of oil-injected, oil-free, medium-pressure, low-pressure, two-stage high pressure, mining-use & motive area. Gane persists in the Design Conception of Energy Efficiency, Reliability & Silencing technique, and has been as the Chief Constitutors for several standards in Chinese air-compressor industry. Moreover in 2013, Gane was as the sole air compressor manufacturer recommended by Ministry of Industry and Information Technology of P.R.C, in the initial Batch of Energy- efficient manufacturer recommended List in General Machinery Industry.

Ultra-energy saving | 100% oil-free | High reliability | silence

All originate from the **water-inject Screw Air End**

Single Screw

A main rotor and two vertical layout of the gate rotor form two compression chambers, the main rotor circles once, compressed 12 times.

Ultra-Energy saving

Applications of Ganey's original three-wire meshing and unequal width teeth technology, as well as adoption of the proprietary processing technology to overcome the low viscosity of water and keep high volumetric efficiency; Cooling by water spraying ensures the system approximate isothermal compression.

100% oil-free

Bare compressor adopts water spray lubrication and sealing. The compression chamber and the bearing chamber adopts the world's advanced patented sealing system, so a drop of oil is not involved in compression which ensures the entire system without oil.

High reliability

The bare compressor is the first made of the stainless steel in the world and its parts adopt special stainless steel for excellent corrosion resistance, which can bear more permanent and durable than special costing material ones and save maintenance of rust.

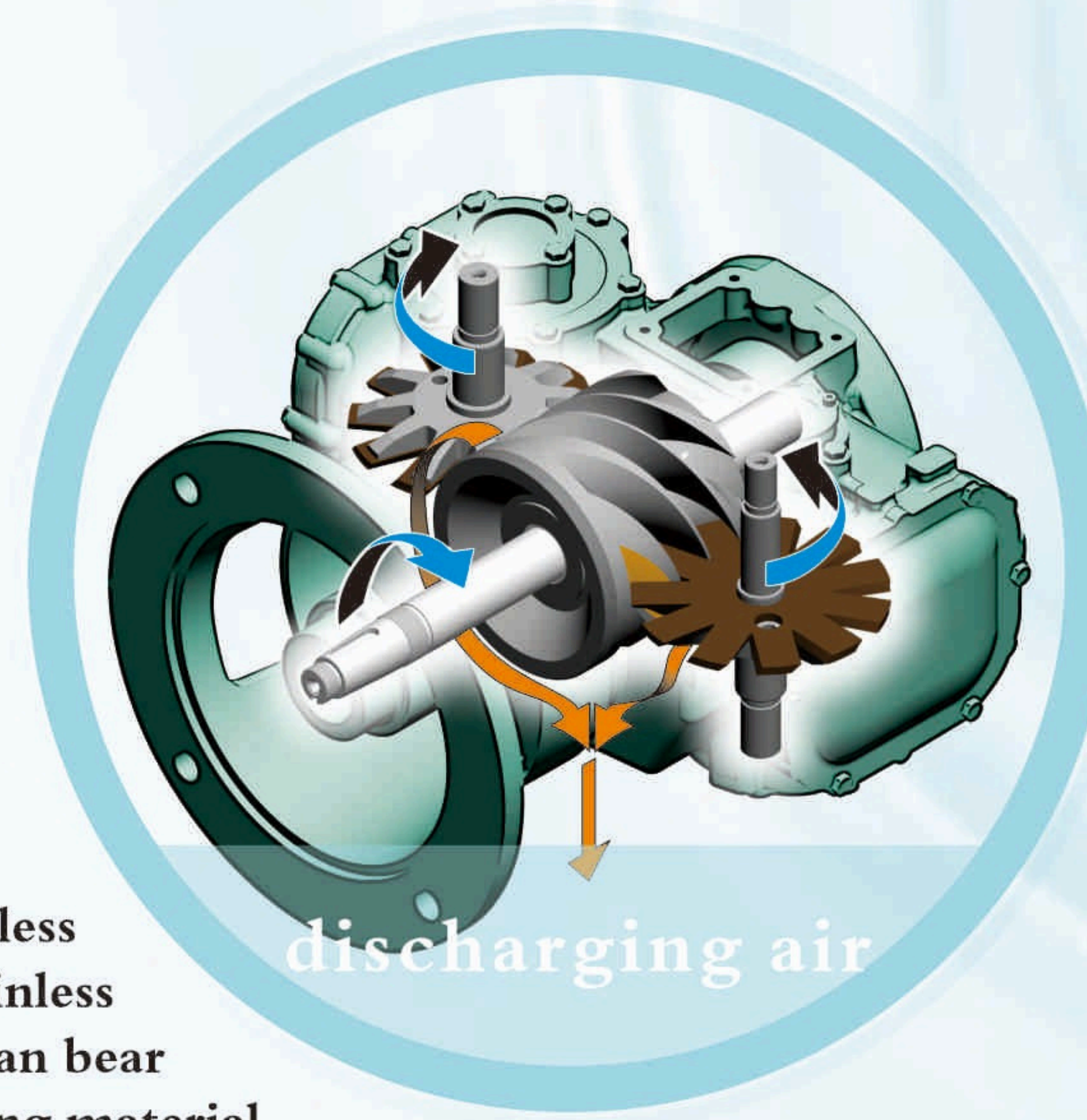
Silence

Both the main rotor axial and the radial force balanced. Lubricating by the water film, the gate rotor rotates freely with the main rotor. Therefore, the components of bare compressor run smoothly under low load, ensuring low noise and durability



Intaking air

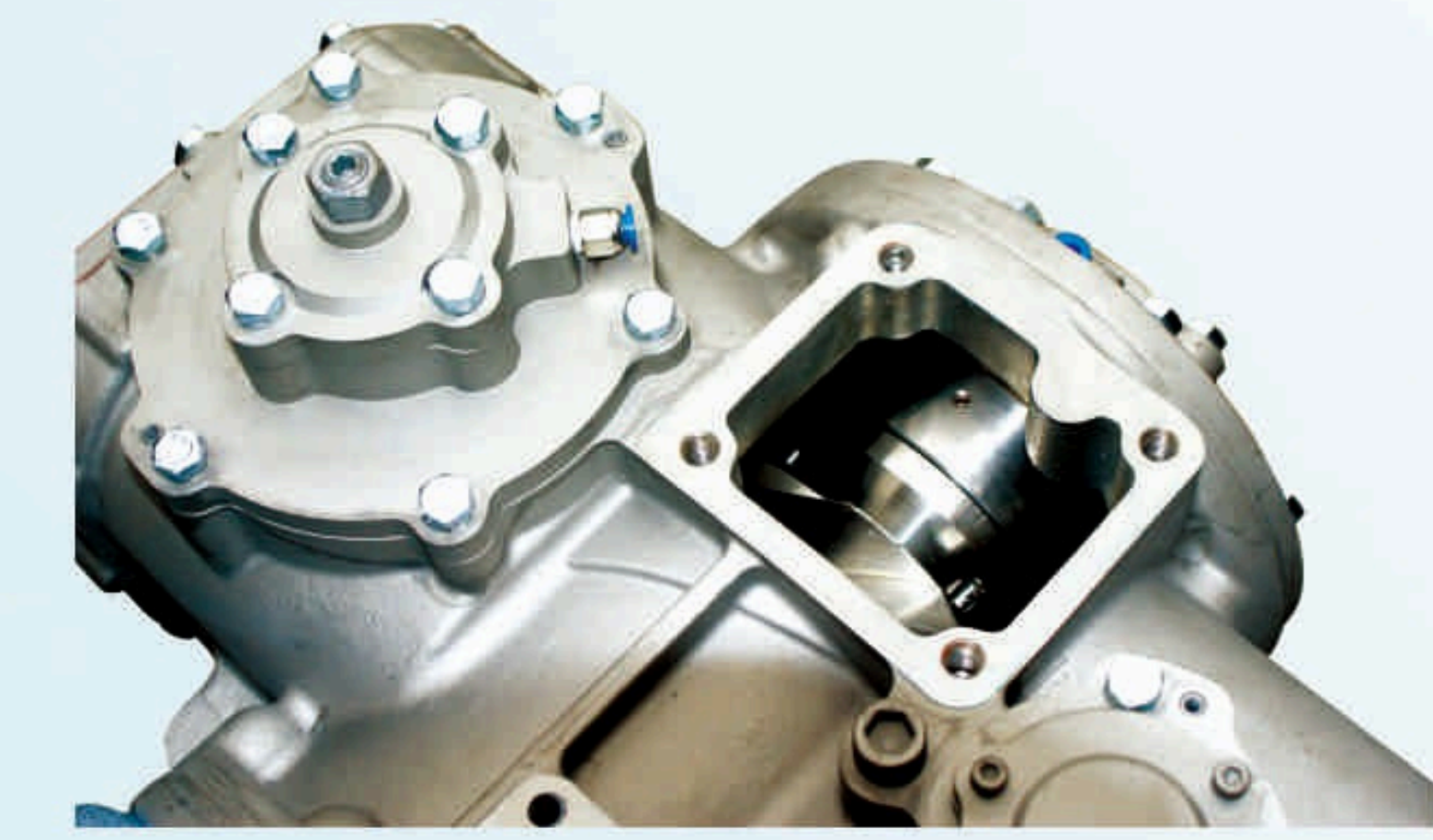
InfinitePure
ZERO CONTAMINATION TECHNOLOGY



discharging air

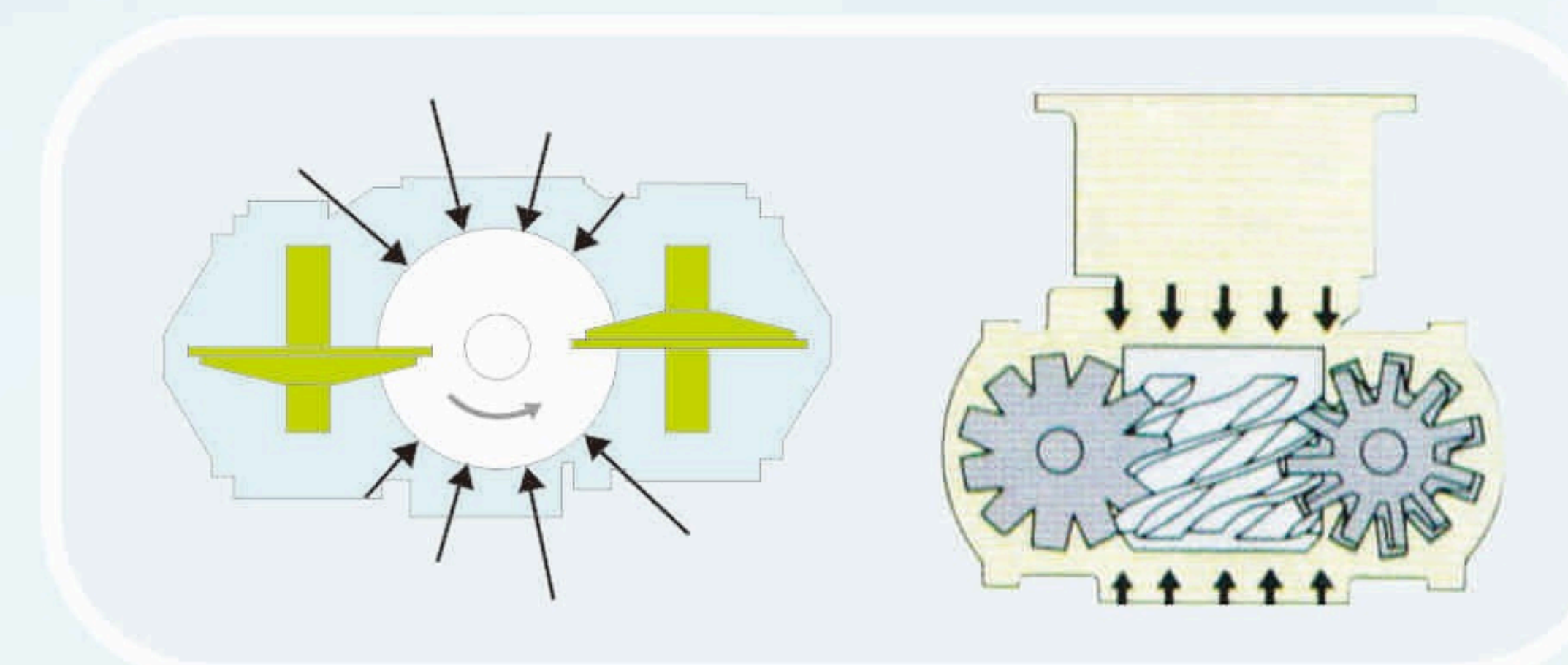


Compressing

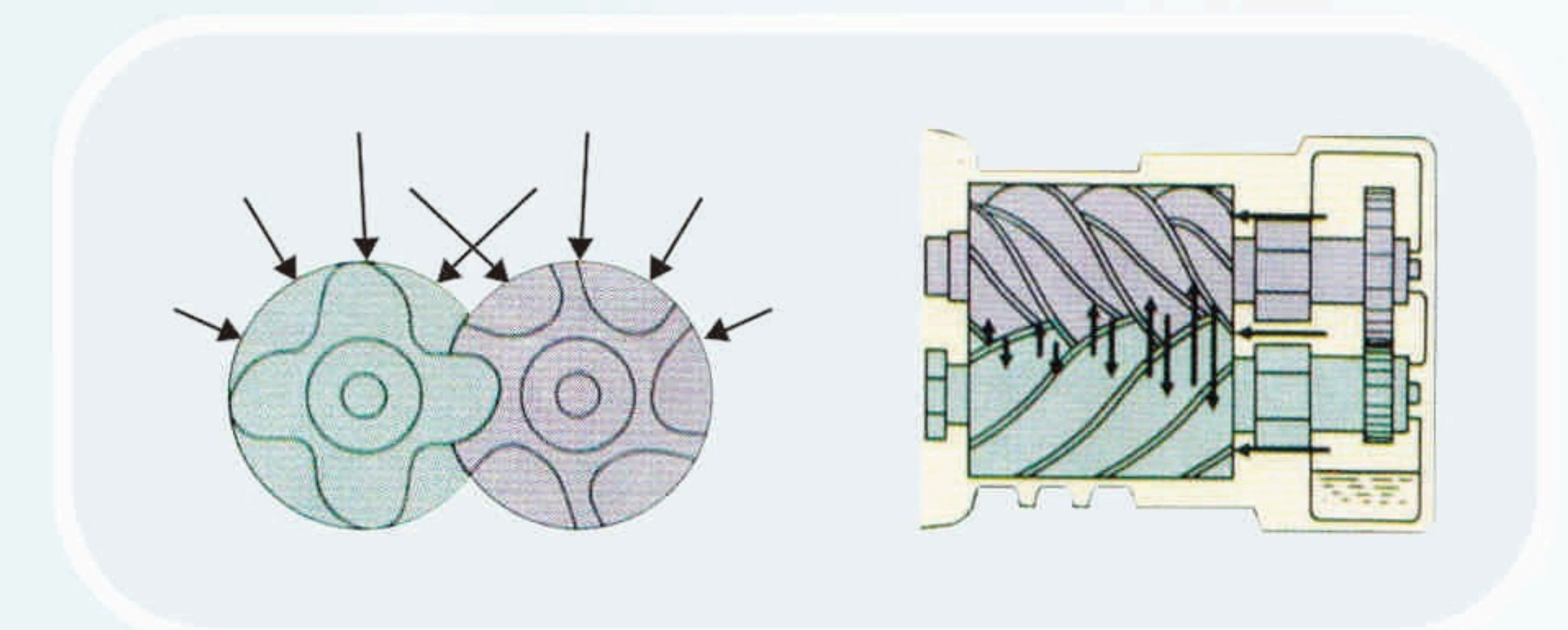


Ganey surmounted three difficult technical problems

Solve the mechanical seal between bearing and working chamber with highly reliable



Force bearing picture of single screw compressor



Force bearing picture of double screw compressor



Water filter

The shell is made of stainless steel, special filter with high filtering precision, long life which ensures the system clean and impurity-free.



Air filter

With pre-filtering, using fold pleated filter, low pressure loss, high ash content and durable.



Unload valve

The unload valve designed independently (patent number: ZL200520058468.2) which is designed for the working characteristics of the screw compressor achieves air inflow can be adjusted 0-100% and ensures stepless gas supply.

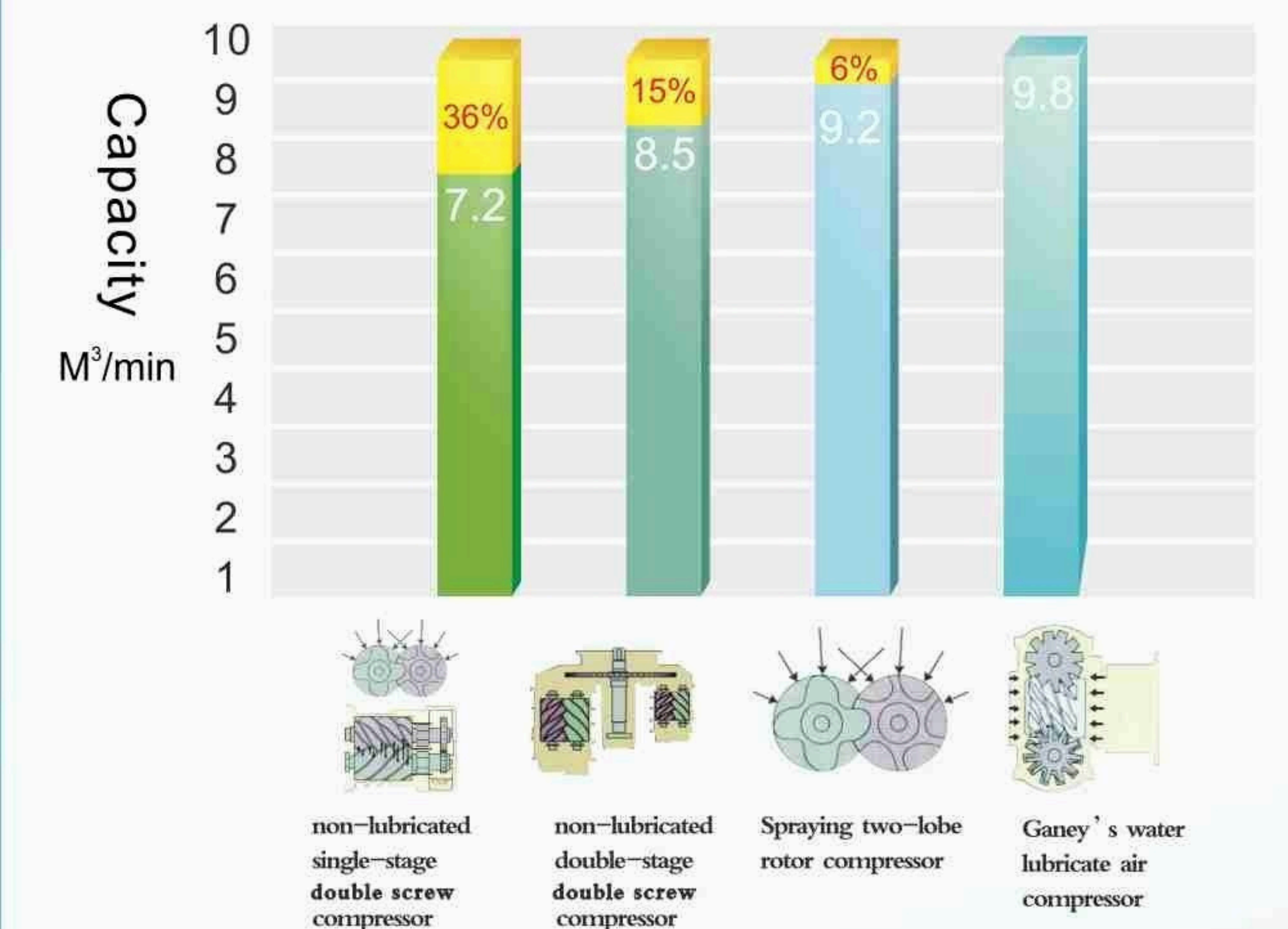


Screw air-end

The bare compressor is made of stainless steel and applies the advanced sealing system in the world, setting mechanical seals, wind curtain room, labyrinth seal and the bypass channel in one.

The advantages of energy-saving of Ganey's water lubricate air compressor

(55kW, 0.7Mpa)



Water cooler

Plates are made of special stainless steel, which have corrosion resistance and high heat transfer efficiency, as well as ensures the system is approximately isothermal compression. Small volume of system, less cooling water, low pressure loss, durability and convenient cleaning and maintenance etc.



Interface Display System

The most ergonomic design, advanced automatic control technology, easy operation, fault diagnosis and alerts, and offering RS485 communication port to achieving joint control.



Minimum Pressure Valve

The minimum pressure valve designed independently (patent number: ZL03140225.9) and its pressure loss reduces above 3%. It has compact structure, higher reliability and more durable.



Softener

Principle of ion-exchange has been used to remove the scaling factor in water, and effectively prevent the system to produce scale. The effect of the exchange media is up to 3 years.



Water Level Controller

Accurately monitoring the water level of system, automatically water supply, water drainage and water changed.



Control Valve

For the water quality conditions, the control valve which selected is the international brands and entire stainless steel. It has compact structure, quick action and starting with zero pressure, avoiding water hammer and other performance characteristics.

