



Chicago Pneumatic



Service Binder

People. Passion. Performance.

Genuine lubricants you can trust

There is no better way to protect your investment than to use genuine lubricants. Chicago Pneumatic lubricants meet all required high-end specifications, are extensively tested and are therefore approved to be used on our complete compressor range. With the proper use of our lubricants you will extend the lifetime of your compressor, lower and control maintenance costs and maximize the compressor's efficiency. This results in increased profitability.

Risks you can avoid

The use of poorly performing lubricants can cause irreversible damage to your equipment and substantial increase of maintenance and repair costs.

The consequences of poorly performing lubricants:

- Wear of components, increased friction, cavitation
- Reduced / Increase critical clearance
- Limited operation range
- Reduced cooling and overheated bearing, compression element and/or components
- Corrosion
- Wrong pH, resulting in damage of parts and seals
- Varnish layer on internal parts (coolers, piping...)
- Low performance, higher energy consumption
- Deposits clogging of oil filter, separator, and downstream line filter
- Higher oil consumption and oil carryover
- High unpredictable maintenance costs



Screw Compressors	
Rotair Advance	From low to high duty operation, mild climate, 4000h drain interval / 1 year
Rotair Xtra	Fully synthetic lubricant, high ambient condition, long drain interval (8000h)
Rotair FoodGrade	Packaging, food and pharmaceutical applications (4000h)
Package sizes	5L, 20L, 209L
Piston Compressors	
Recip Lub Advance	Industrial environment, continuous operation, general industry (6000h)
Package sizes	20L & 209L



Piston Compressor Service Kits

1. Valve Service Kits

- Specifically designed and adopted exclusively for CP compressors.
- They are higher wear resistant and hence have long service life and efficiency.
- As a result customer need an annual shut down only for maintenance.

2. Piston and Rider Ring Kits

Specifically designed and manufactured of ceramic filled teflon Piston and rider rings exclusively for CP compressors. They ensure uninterrupted operation with long service life and efficiency. As a result customer needs an annual shut down only for maintenance.



Comprehensive kit for all maintenance requirements

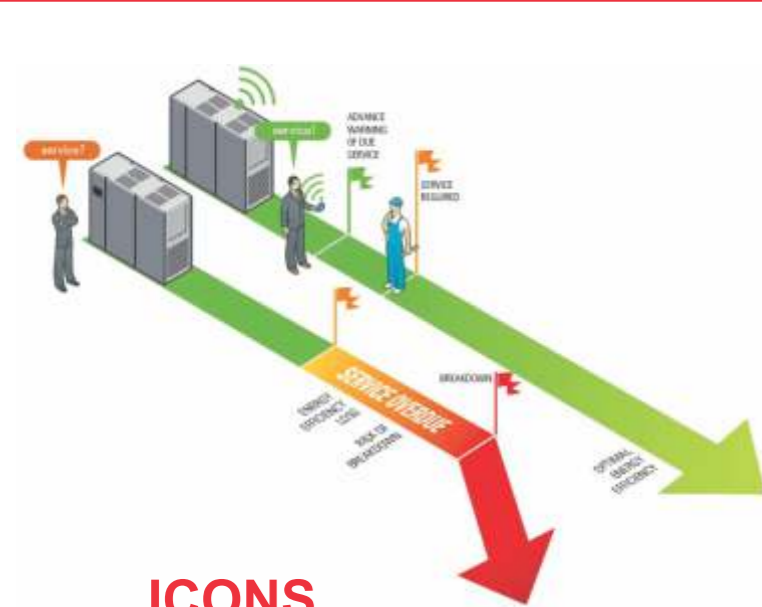
Chicago Pneumatic is always at your service with comprehensive screw kits. Find everything you need to maintain your compressor in one single kit.

User Benefits

Tested and approved for all applications and environments.	Offer a firm grip on maintenance cost.	Extend the lifetime of the compressor.	Increase the reliability and absolutely minimize the risks of breakdown.	Provide maximum performance and efficiency.
--	--	--	--	---

User Benefits

Cost effective solution (Service Kits are priced at 5-10% less than separate parts).	Everything you need to maintain your compressor is in one single kit.	Easy inventory. Increased logistics efficiency.	Assurance of high quality components.	Guaranteed long lifetime of your compressor. (Service Kits include all genuine spare parts required to maximize your equipment reliability).
--	---	---	---------------------------------------	--

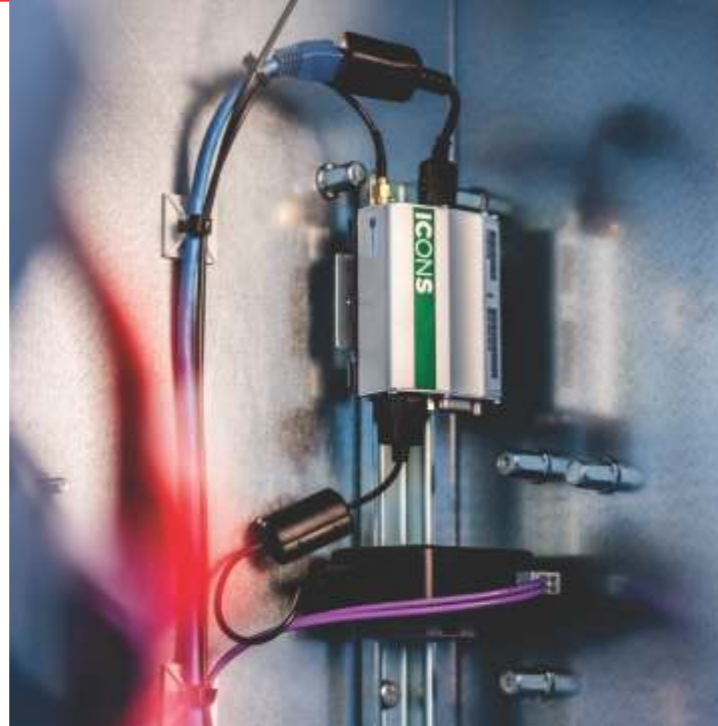


ICONS

Profitability starts with insight. Knowing the performance of your compressed air installation at each given moment allows you to make smart use of your resources. It enables you to plan maintenance interventions proactively and at just the right time.

Potential problems are recognized before they can pose a threat to the continuity of your production. And the analysis of compressor data over time gives you the information you need to optimize the efficiency of your air system.

ICONS gathers, compares and analyses data through GPRS connectivity. This allows you to carefully plan and prepare for service interventions. When needed, it sends out warnings in time. An additional, energy monitoring option can be obtained. As a result, service efficiency increases, precious time is gained and money is saved.



Why ICONS Connectivity

Connectivity Is reality	<ul style="list-style-type: none"> - Operational efficiency - Performance Management - Easy to Install
Transparency	<ul style="list-style-type: none"> - Warnings/Alarms sent via SMS/Email - Status of Running hours of machines - Service status - Trend graphs and alarms



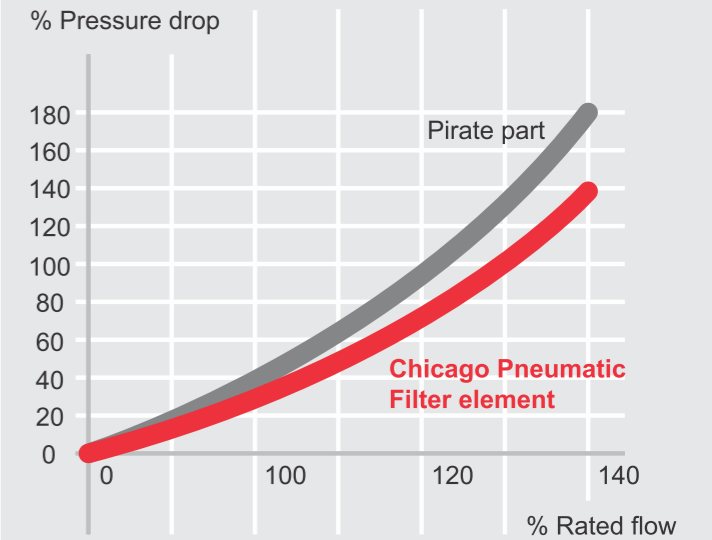
High quality line filter elements for all your filtration needs

Chicago Pneumatic offers you a wide range of high quality line filter elements for all filtration needs in different filtration grade according to your application.

Our high quality line filters are suitable for filtration use with mineral, synthetic polyglycol compressor fluids.



Wet pressure drop of Chicago Pneumatic filter element



User Benefits

Excellent Service level.	Cost reduction.	Real time SMS – Machines events/ On time intervention.	No need of regular visit to compressor room.	Get all service status data by SMS/Email.
Less risk of breakdowns.	Monthly service reports. Planning of maintenance/ Costs.	No need to maintain logbook/excel sheet.	Machines warning to be sent via SMS/Email.	All data in one mouse click.

User Benefits

Stainless steel inner and outer cores ensure strength, long life and total element integrity.	Stainless steel core protects element from high differential pressure. The element will not burst.	Stainless steel core prevents corrosion.	Multi-layer eases efficiency.	End caps will not corrode.
Low pressure drop saves energy.	Will not disintegrate.	High temperature tolerance.	Provides optimum oil removal.	Highly durable.



Compressed Air Piping System

AIRnet is a compressed air piping system that delivers quality air exactly where you need it, from compressor to the point of use.

The unique benefits of AIRnet effectively reduce the cost of ownership of your piping system.

Discover AIRnet at www.airnet-system.com

FAST

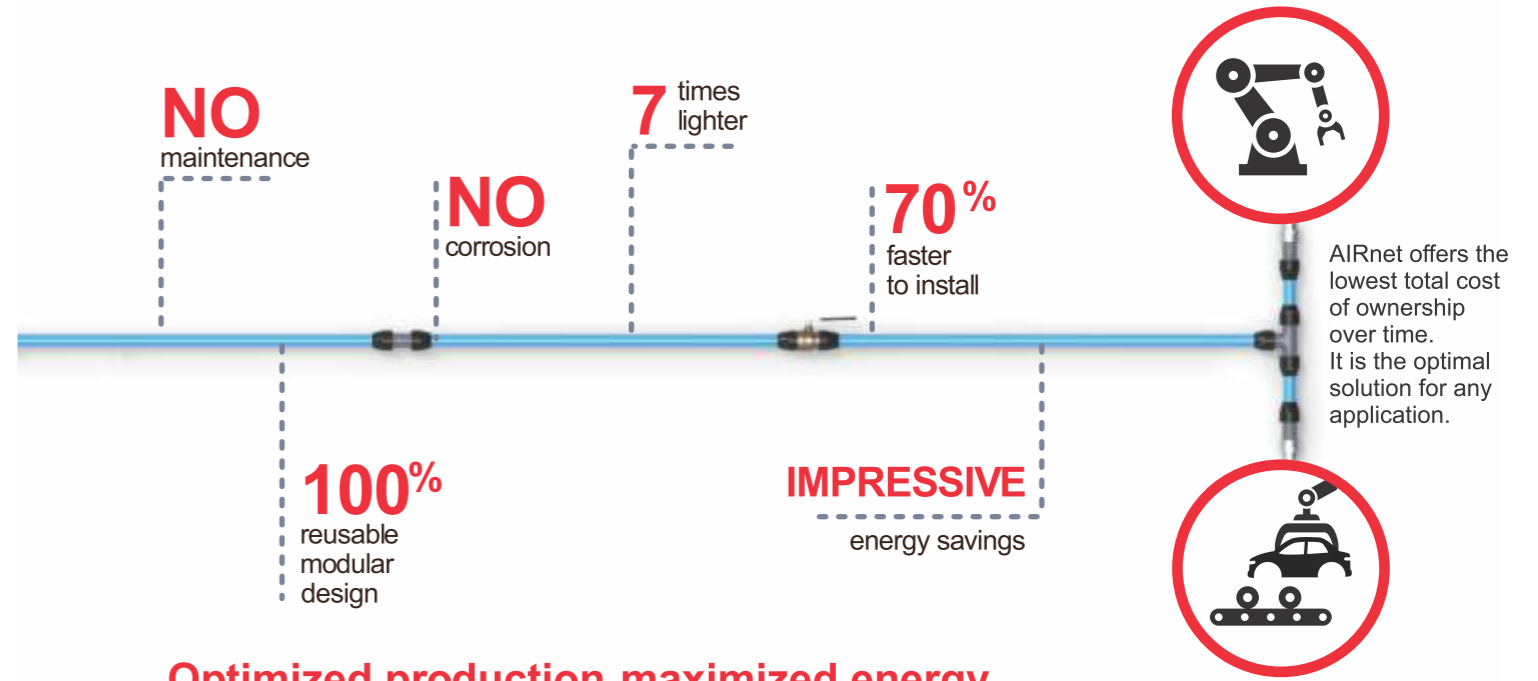
Installing a piping system is no longer time consuming, thanks to AIRnet.

EASY

With AIRnet there is no need for heavy tools or extra manpower.

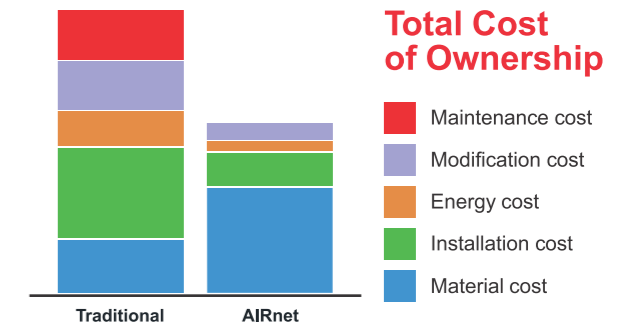
RELIABLE

The reliability of AIRnet is not a hollow promise; it is a solid 10-year guarantee.



Optimized production, maximized energy efficiency and minimized total cost

The optimal piping network is sized, planned and installed to support sustainable operational excellence in the production process. Material and product design, installation and maintenance costs; flexibility and safety. They all influence your total cost of ownership and the level of efficiency in your production. If you are looking for a high performing and effortless system that can be customized to fit any production site, AIRnet will turn out to be the best investment choice you can make. It is a high end aluminum system specially designed to save the money that other piping systems spend.



In line with the high quality performance of the AIRnet product range, we provide our customers with a 10 year guarantee on the AIRnet fittings and aluminum pipes against material defect.

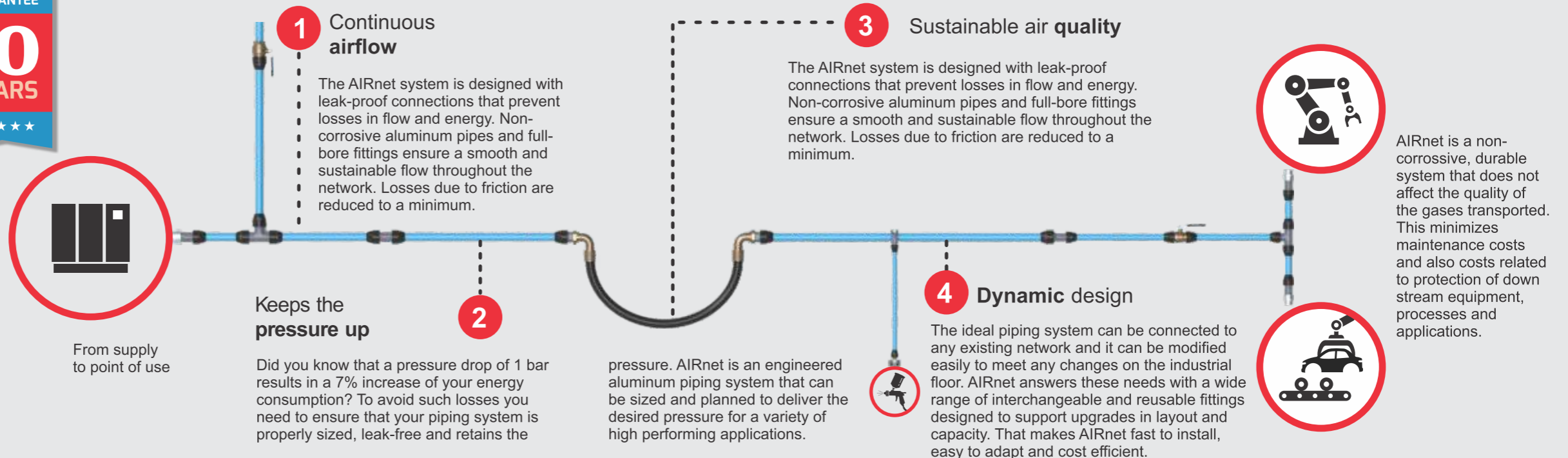
GUARANTEE

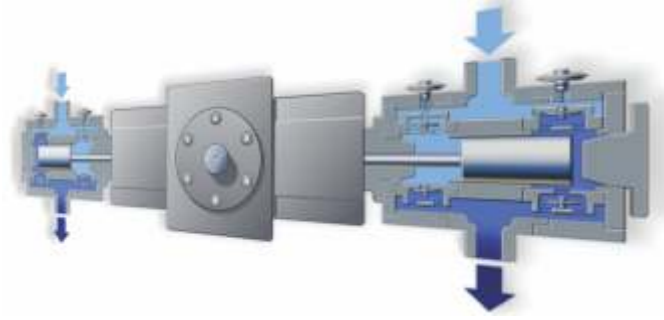
10
YEARS

★★★★★

To achieve the lowest Total Cost of Ownership AIRnet offers

- HIGH QUALITY MATERIALS
- HIGH ENERGY EFFICIENCY
- OPTIMAL OPERATIONAL PERFORMANCE
- LOW OPERATIONAL COSTS
- LOW INSTALLATION COSTS
- LOW MODIFICATION COSTS
- SAFETY





Recip Compressor Block Replacement

Totally oil free air

- 100% Oil Free Air.
- PTFE piston & Rider rings + long distance piece

High reliability

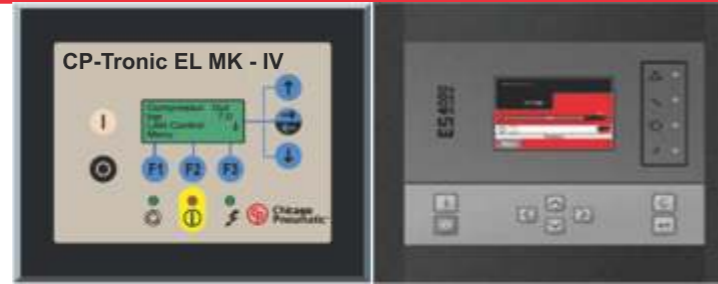
- Low piston speed
- Balanced opposed design
- Less vibration
- Less pulsation
- Design close to API 618

Serviceability

- Long service intervals
- 6000 hours / year without service intervention
- Ease of maintenance
- Easily accessible parts

Energy Efficiency

- Reciprocating technology
- Highest volumetric efficiency
- Efficient coolers
- Low inter stage temperatures thermodynamic efficiency



Controller Upgradation MK IV to MK V

CP-Tronic - Advanced Microprocessor Controller MK-V :

- The CP-Tronic MK-V 5th generation regulating system provides energy efficient load/no load control.
- Microprocessor based control
- Controls and monitors the compressor
- History of shutdowns
- Anticipated start => no pressure undershoots
- Dual pressure band => lower pressure possible during night and/or weekend
- Timer based start/stop => automatic stop possible for e.g. weekend
- Remote start/stop possible => fast intervention from a distance
- **We undertake all other controllers upgrades to our latest technology**



Water-cooled to Air-cooled conversion

Clean water should be provided for cooling. If the cooling water has a high percentage of lime sulphur, silt, mud or other impurities, these will be deposited in the cylinder jackets, head, intercoolers, and after cooler tubes and shells. The scale deposits unless removed, will obstruct the flow of water and lower the rate of heat transfer and may result in damage to the machine.

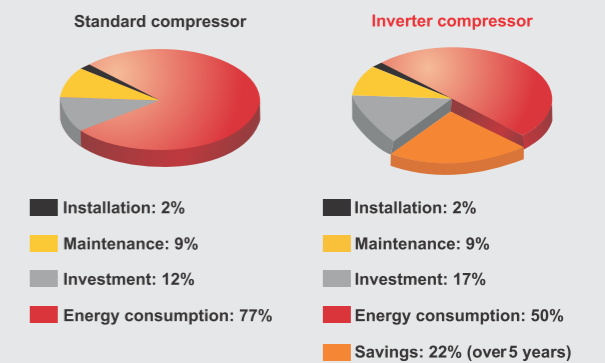
To overcome these problems, convert to Air Cooled

- Higher overall reliability
- No separate space required for cooling tower and water pump.
- Energy Efficient



VFD Upgradation

Life cycle cost comparison (LCC) over a period of 5 years.



35% savings on energy consumption

User Benefits

Higher overall reliability & efficiency. Reduces operating cost & immediate payback.

Total productivity : Round the clock operation

Upgraded with latest technology

Allows remote monitoring with centralised control – DCS connectivity

Helps increase compressor life time

User Benefits - VFD

Constant Outlet Pressure

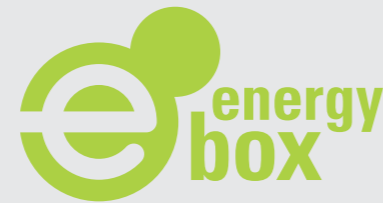
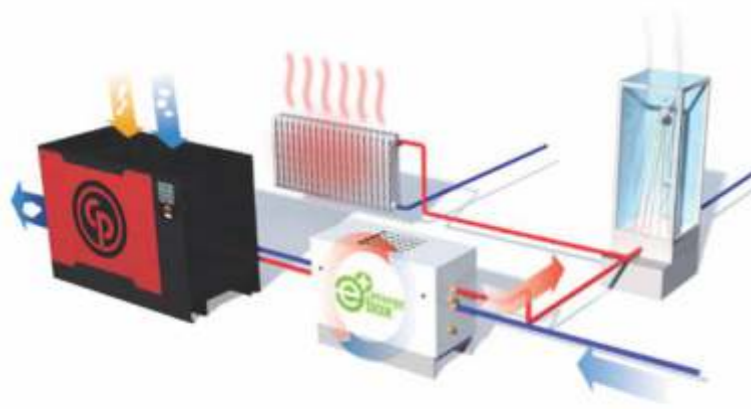
The outlet pressure is virtually constant over a wide capacity range (narrow pressure band within 0.1 bar) or if your power supply is not steady. This optimizes energy consumption and ensures high process stability when the air demand fluctuates.

Low Starting Current

With VSD technology, there is no current peak at start-up. The starting current is equal to the nominal current during the start-up phase. This eliminates the need to oversize your equipment to absorb peaks.

A High and Stable Power Factor

Regardless of the flow variation, the power factor remains constant at a high value (Cos Phi 0.99). This means that no additional investment needs to be made to correct the power factor, and penalties from the utility company can be avoided.



SAVE UP TO ₹ 1 MINR YEARLY* REDUCE 79 ton/year OF CO² EMISSION

*based on estimations made for 75 kW compressor, 6000 running hours, assumed fuel cost 50 ₹/L

Energy saving and cost reduction solution

The Energy Box supports customers to achieve huge energy (up to 85%) and cost savings, great productivity improvement and large CO² emission reduction. Almost all compressor installations and applications can benefit from energy recovery systems where energy recuperation is achieved by heating air or water. The Energy Box is the solution to heat water for different applications. It fits all generations and types of oil injected screw compressors.

Screw Compressors	
Applications	<p>General: heating systems, showers, hot water feed</p> <p>Dairies: process boiler feed, pasteurization, drying & scalding process, sterilization</p> <p>Process: synthesis of gas, steam cracking, stripping, boiler feed</p> <p>Pharmaceuticals: temperature maintenance, drying process, sterilization, steam barriers</p> <p>Textile: dyeing, finishing</p> <p>Turbine feed, humidification, reboilers, purge medium and many others</p>

Which plan is perfect for you?

With a view to accommodating the different factors that can impact your business, including your compressor's average run time, work-schedule, etc. Chicago Pneumatic offers 3 different contracts to choose from.

Preventive Maintenance Plan

Expert Advice

Regular Maintenance by Certified Chicago Pneumatic engineers

Preventive Maintenance Plus Plan

Regular & proactive maintenance

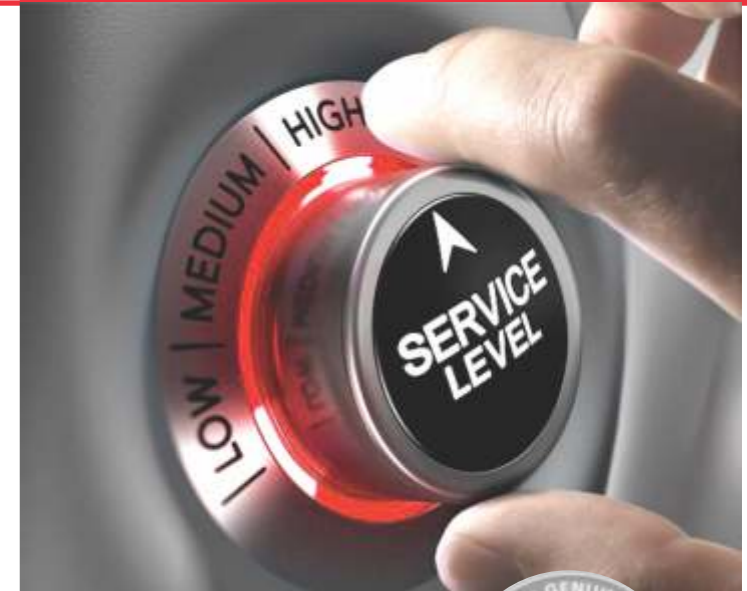
Servicing by certified Chicago Pneumatic engineers

Preventive Maintenance Premium Plan

Stable, up-front cost to help plan your maintenance budget.

Elimination of stock and administration costs

Genuine spares and lubes, with servicing by Certified Chicago Pneumatic engineers.



We Value Good Service To Ensure Customer Satisfaction !!!



At Chicago Pneumatic, it is our constant endeavour to provide you with the best equipment and service solutions. Our compressors are supported by a network of trained service technicians and dealers who provide complete service support and ensure spare parts availability. They are available for any technical consultation to optimize the performance of your equipment and ensure reliable operation. With a wide network spread across the country, we are never too far away, to help you solve your problems. Anytime, Anywhere.

We value your feedbacks and endeavour to continuously improve our products and services.

Use Original parts. Your quality assurance.



User Benefits

- Energy savings: up to 85% of the energy of the compressor shaft power can be recovered, resulting in the huge tangible savings.
- Reduced impact on the environment: CO² emission reduction.
- Plug & Play concept: all major mechanical parts are pre-mounted in the canopy which reduces the risks of wrong connections of flexible hoses and parts.
- Easy maintenance operations: standalone unit, easily detachable.
- Easier access to compressor, motor and thermostatic valve housing.

User Benefits

- Price negotiated at the beginning of contract. Fixed Budget.
- We schedule for you. You need not keep any inventory.
- Well maintained equipment by trained Chicago Pneumatic experts.
- Reduced life cycle cost and energy consumption.
- Comprehensive diagnostic report per service visit.

Chicago Pneumatic: full offer, global presence



Lubricants



Compressor Service Kit



ICONS



Line Filters



AIRNET



Chicago Pneumatic Compressor
 Sveanagar, Mumbai Pune Highway, Dapodi,
 Pune - 411012 Maharashtra, India
 ☎ : + (91) 9390038582 / 9324175628



Design
 Manufacture, Sales and
 Service of air compressors,
 Air dryers and air filters



ISO 9001
 Chicago Pneumatic's
 Environmental Management System
 forms an integral part of each
 business process.



ISO 14001
 ISO 14001 EMS
 forms integral part of
 each business process.

Regional Customer Centres

BRANCH	ADDRESS	SERVICE ☎	EMAIL
WEST	Rushabh, II Floor, Near American Heart Institute, Ghodbunder Road, Thane (W) 400601	93256 36552	service.west@cp.com
NORTH	Unitech Business Park, Tower - A, First Floor, Block - F, Sector -41, South City -I, Gurgaon - 122001	93124 17744	service.north@cp.com
EAST	Trinity Plaza, 2nd Floor, East Wing, 84/1A, Topsia Road, (South) Kolkata 700 046	93322 91224	service.east@cp.com
CENTRAL	4th Floor, Block A, Amsri Shamira Building, Old Lancer Lines, Secunderabad 500 025	93924 06641	service.central@cp.com
SOUTH	No.1-A, Kushal Garden, Peenya Industrial Area, Peenya 2nd Phase, Bangalore - 560 058	93421 44450	service.south@cp.com

Area offices : Ahmedabad, Baroda, Chandigarh, Chennai, Pune
Resident Offices : Coimbatore, Erode, Kochi, Jaipur, Raipur, Vizag

Dealer Representation at :

- Ahmedabad • Aurangabad • Bangalore • Baroda • Bhubaneswar • Belgaum • Bellari
- Bhopal • Chandigarh • Chennai • Cochin • Coimbatore • Dehradun • Delhi • Durgapur
- Faridabad • Gandhidham • Gurgaon • Guwahati • Hospet • Hyderabad • Indore • Jaipur
- Jammu • Jamshedpur • Jodhpur • Kanpur • Karimnagar • Kathmandu • Katni • Kolhapur
- Kolkata • Lucknow • Ludhiana • Madurai • Mumbai • Nagpur • Nashik • Nellore • Noida
- Patna • Phuntsholing • Puduchery • Pune • Raipur • Rajkot • Silvassa • Surat
- Thane • Tirupur • Udaipur • Vaizag • Vapi

Toll Free No : 1800 200 0040

www.cp.com