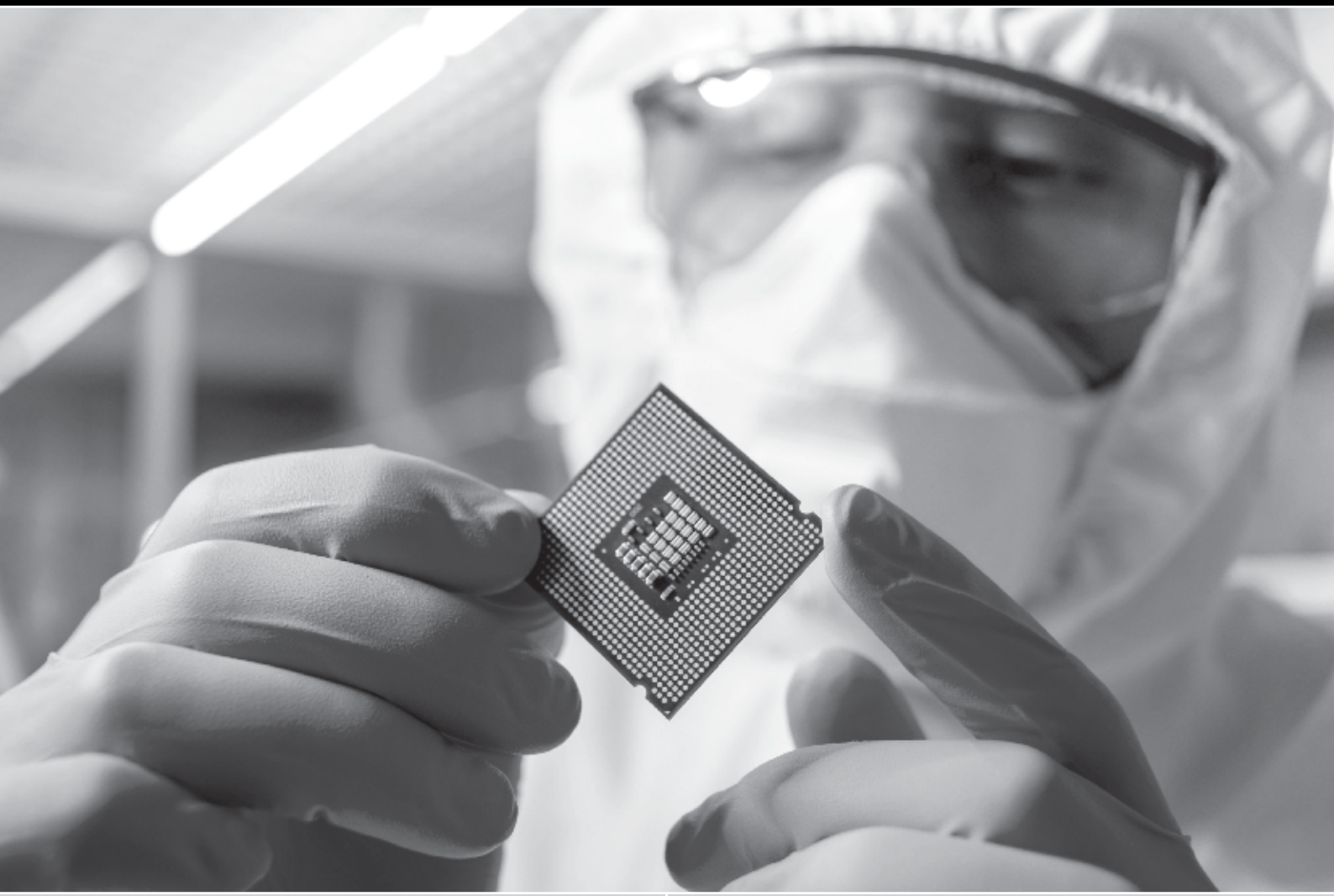
PX / PXi Series

100 % Oil-free Air Compressors

100+ 1915 2015 YEARS







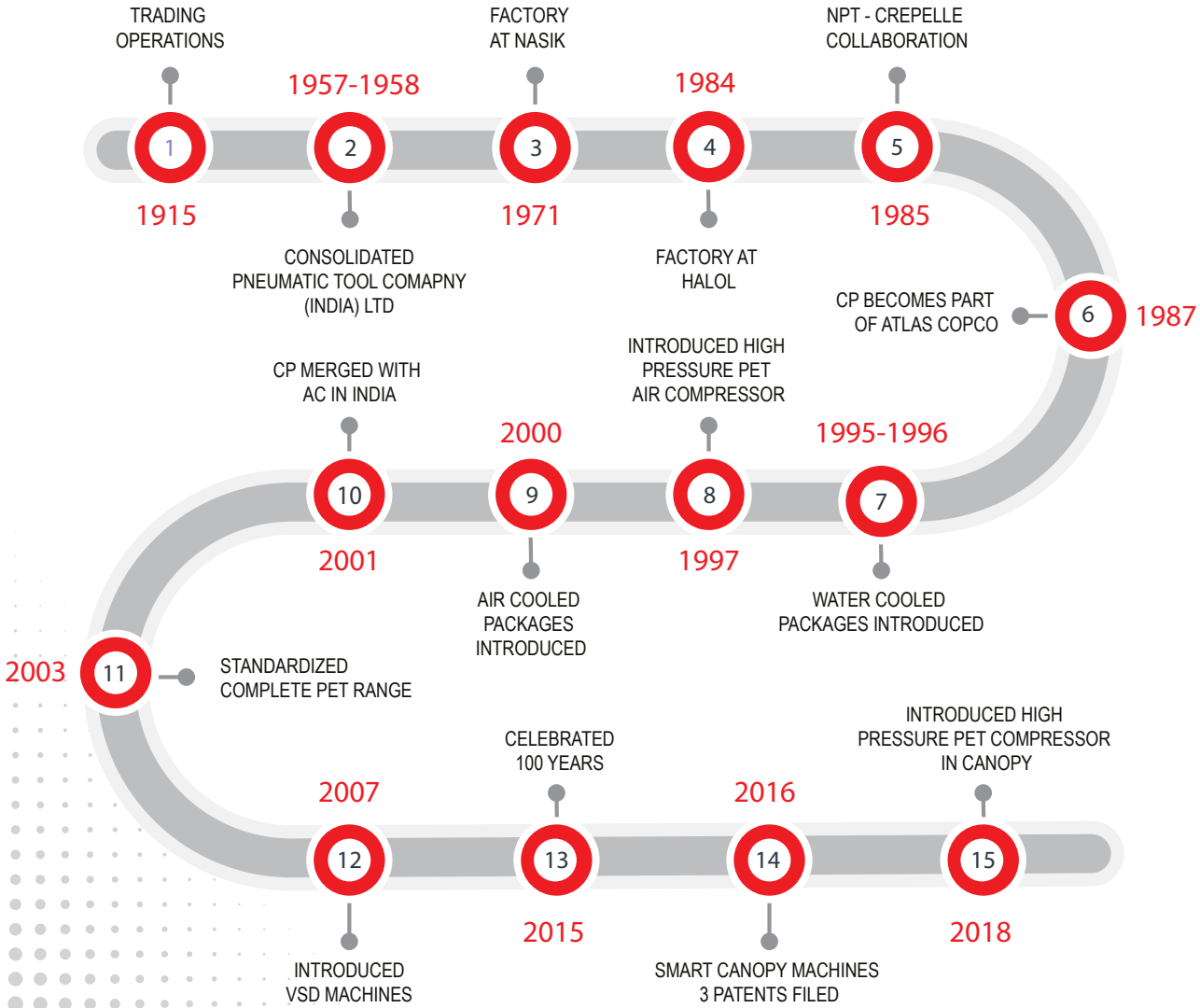
People.
Passion.
Performance.

Chicago Pneumatic

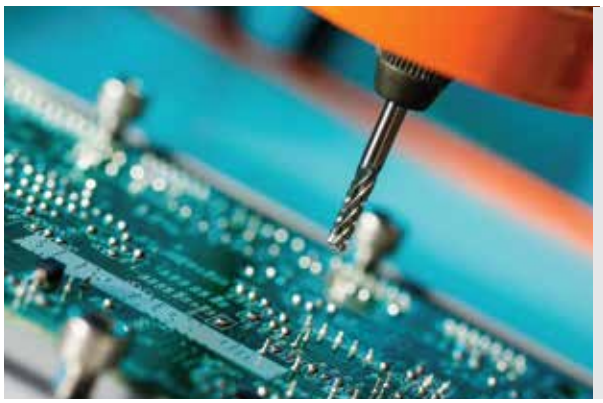
Chicago Pneumatic

100+ Years of Industrial Excellence in India

Established in 1901 in the United States, Chicago Pneumatic has been a global leader in the design, manufacture and distribution of high performance compressors. Today, Chicago Pneumatic is an international brand that offers quality products to meet every requirement across almost all industries. Driven by a passion to research, develop, manufacture and deliver products that meet your exact needs, we want our customers' businesses to excel, regardless of the industry. In addition to pioneering design, high impact technology and durability, Chicago Pneumatic means Customer Value. We as a brand have always emphasized the importance of local service in order to build a global reach. When it comes to meeting global quality standards, you really need not look any further.



Few Industries We Cater To



Electronics

Sensitive, high technology equipment is used to manufacture electronic components. Oil contamination in the compressed air can result in expensive maintenance cost.

- **PCB board cleaning:** Oil-free air is used to blow the boards clean after production
- **Pick and place machine:** Oil-free air is used to power the pneumatic machines for component conveying



Pharmaceutical

- 100% Oil-Free quality air for all kinds of pharmaceutical applications i.e. Jet Mill, Process Air, Fermentation, Packaging, Coating, Filing, Capping, Cleaning & Instrumentation etc.



Petrochemical

Compressed air can also be found having numerous uses in this industry. Oil-free compressors deliver a safe and reliable form of energy that can be used on both sensitive products and in hazardous environments.

- **Air curtains**
  Compressed air is used as a curtain to create a safe and clean area
- **Material handling**
  Compressed air operated fluid pumping systems are used in volatile environments without the risk of explosion
- **Nitrogen generation**
  Compressed air is filtered via a membrane to produce nitrogen used in a variety of chemical applications
- **Pneumatic conveying**
  For safe transportation of chemicals
- **Product drying**
  Compressed air is mixed with product to accelerate drying



Cement

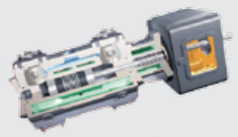
- Ideal system for Pneumatic conveying, Dust Collector, Bag Filtration, Instrument Air, Packing & Process Air
- High purity air imparts high productivity & eliminates downtime
- High reliability ensures production process stays up and running day in and day out

And many more..

Product Feautures

100% Oil-Free Air

- Chicago Pneumatic oil-free compression chambers ensures your demand of 100% oil-free compressed air is met to the fullest
- Our oil-free cylinders with PTFE rings and extra long distance guarantees oil-free air for your critical process
- The machine is packaged & tested as per BS 1571 Part II



Reliability & High Uptime

- Designed for 24x7 industrial appplications, it meets your continuous need of compressed air
- Time proven 2 stage compression process
- Superior stainless steel valves, precise sizing and selection of every component for highest efficiency and reliable performance.



Smartest Design

Totally integrated package with our time tested oil-free piston technology comes as a plug and run unit. The sound enclosure consists of a simple drop in panel with fire retardant and special sound absorbing foam, making your work environment pleasant with extremely low noise level.



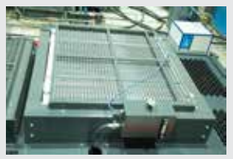
Water Separator Device

- After Cooler with integrated WSD
- Efficient water separation
- No risk of condensed water in down stream

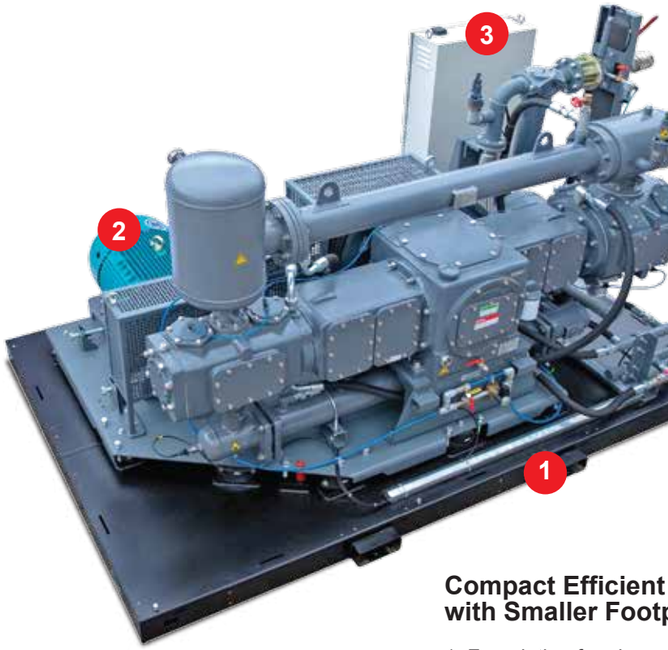


Unique Cooler Assembly

- Inter/After Cooler & Radiator in single frame
- Separately replaceable
- Service friendly
- Low maintenance cost







Compact Efficient Design with Smaller Footprint

1. Foundation-free base with double deck arrangements
2. ICONS (Intelligent Connectivity System)
3. Premium Efficiency IE3 Motor



Foundation-free Design

Horizontal BOP design and dynamically balanced arrangement leads to lesser vibration levels.
The machine comes with unique base frame design (PATENT APPLIED FOR) & special elastomer AVM, needing no special foundation.



ICONS

Always be connected with ICONS that helps to optimize your compressed air consumption and saves on cost / energy. It offers complete insight of your compressed air network through secured network. It also protects your equipment by anticipating potential problems and warning you upfront.



Integrated Electrical Starter & Control Panel

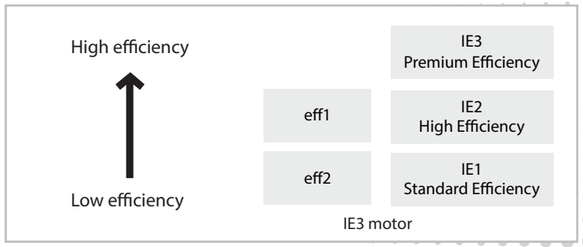
Professionally designed Star-Delta starter panel integrated on the compressor skid. Option of VSD panel ensures you pay for what you use. The design provides easy access to components & proper ventilation for trouble-free operation.



IE3 Motor

Now the machine is available with IE3 Premium efficiency motor as standard.

- Saves power
- Reduced power consumption
- Less carbon footprint
- Lower electrical costs



Smarter Control

Advanced 5th Generation Microprocessor Control

PX series machines are extremely energy efficient. The smarter controller adapts to your air requirements and ensures that process is extremely flexible & efficient. Different capacity controls are possible with this advanced unit.

Stepped Control - Double acting cylinders allow the flow to be adjusted by clamping one or several suction valves in the open position. Stepped capacity control of 0-100% is possible with more advanced control as per process requirement.

Bypass - The use of pressure control valve gives an extremely stable pressure. Narrow pressure band gives flexiblity to deliver the performance at optimum regime.

Variable Speed Drive - PXi series machines with double acting cylinders, Variable Speed Drive (VSD) capacity control allow step less capacity control, optimized energy consumption and ensure process stability.

1. High resolution display gives easy readouts of the equipment's running conditions.

2. Clear icons and navigation system provides you faster access to all important settings and data.

3. Easy monitoring of equipment running conditions and maintenance schedule scales the uptime of machines.

4. Inbuilt remote control & notification functions,including simple to use ethernet based communication.

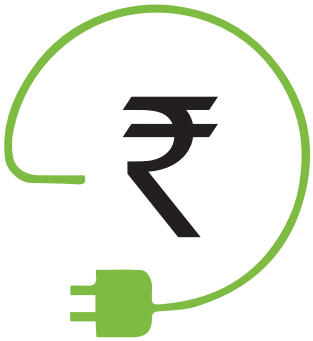
5. Support of 31 different languages, including character based languages.



Online & Mobile monitoring:

Monitor your compressed system from remote/local

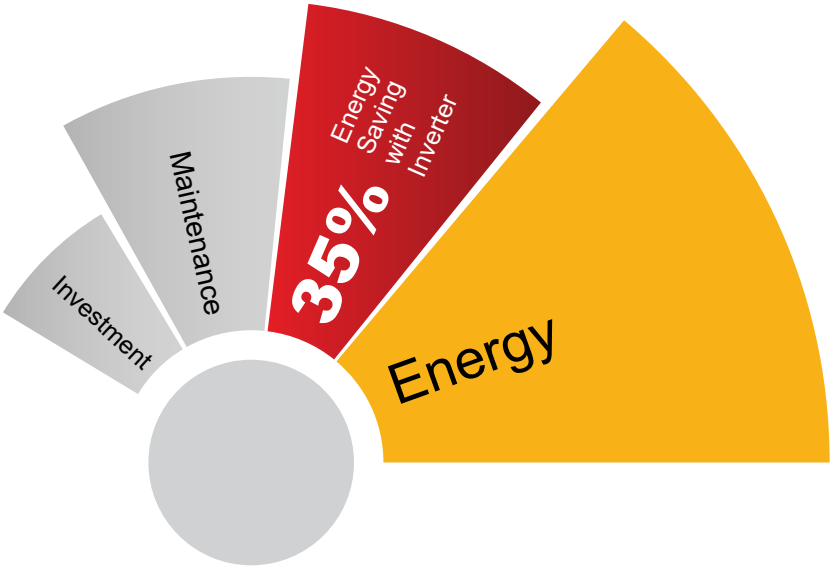
Inverter - Variable Speed Drive



Variation in air demand is present in almost 90% of all installations. In almost every production process, air demand fluctuates depending on different factors (time of the day, week or even month).

Detailed analysis and studies of compressed air demand cycle show that 80% of all compressor installations have substantial variations in air demand. Only 20% of all installations have a more stable air demand. In this scenario, inbuilt inverter drive compressors save substantial energy.

Energy consumption typically represents over 80% of a compressor's Life Cycle Cost. To reduce costs and provide innovative solutions, we at Chicago Pneumatic compressors have pioneered the inverter drive technology. Inverter drive provides major energy savings, while protecting the environment for future generations. Our continual investments in R&D, enable us to offer the widest range of integrated Inverter drive compressors to the market.



Inverter technology precisely follows the air demand by automatically synchronizing motor speed. This results in large energy savings of up to 35%. The Life Cycle Cost of a compressor can be cut down exponentially. In addition, lowered system pressure with Inverter minimizes energy use across your production drastically.

Scope of Supply

Oil-Free Reciprocating Water/Air Cooled PX Series

Air Circuit

- Efficient Suction Air Filter with Dampers
- Water Cooled/ Air Cooled Heat Exchangers (Intercooler/Aftercooler)
- Fixed Speed Unit-Load / Unload (0-100%) Regulation System
- Inbuilt Inverter for PXi Series

SKID

- Sub Deck with Anti Vibration Mounting Pads
- Heavy Duty Steel Deck for Mounting Entire Package with Lifting Facility
- Silenced Canopy

Technical Specifications

Fixed Speed Range

PX Series#	Max Working Pressure		Capacity*			Installed Motor Power		
	BAR (E)	PSIG	L/S	M3/MIN	CFM	KW	HP	LBH
PX 30	7	102	75	4.47	158	22	30	3070 x 1810 x 2055
	10	145	58	3.45	122	22	30	
PX 40	7	102	105	6.31	223	30	40	
	10	145	89	5.35	189	30	40	
PX 50	7	102	129	7.73	273	37	50	
	10	145	101	6.06	214	37	50	
PX 60	7	102	157	9.40	332	45	60	3070 x 2070 x 2055
	10	145	134	8.01	283	45	60	
PX 75	7	102	194	11.67	412	55	75	
	10	145	153	9.17	324	55	75	
PX 100	7	102	247	14.84	524	75	100	
	10	145	223	13.37	472	75	100	

Variable Speed Range

PXi Series#	Max Working Pressure		Capacity*			Installed Motor Power		
	BAR (E)	PSIG	L/S	M3/MIN	CFM	KW	HP	LBH
PXi 50	7	101.5	94.9	5.7	201	37	50	3070 x 1810 x 2055
	8.5	123.3	93.4	5.6	198	37	50	
	10	145.0	90.0	5.4	190	37	50	
PXi 75	7	101.5	145.8	8.7	309	55	75	
	8.5	123.3	143.5	8.6	304	55	75	
	10	145.0	138.2	8.3	293	55	75	
PXi 120	7	102	220	13.2	467	90	120	
	8.5	124	217	13	460	90	120	
	10	145	210	12.6	446	90	120	

Weight Chart (Kgs Approx)

Compressor variant	30 HP to 60 HP	75 HP to 100 HP
PX W	2700	3300
PX W E	4000	4100
PX A E	4000	4100

Note:

Ambient Temp & Cooling Water - 32°C, 89.6°F
Suction Pressure - 1 bar (e), 14.5 psig

Version Available

PX - W/A E (Water Cooled/Air Cooled with Canopy)
- W (Water Cooled Without Canopy)

PXi - W/A E (Water Cooled/Air Cooled with Canopy)
- W (Water Cooled Without Canopy)

*Reference conditions according to BS 1571 Part II

*Capacity measurement at the outlet of Package.

Air Dryer & Receiver are optional.

Integrated Compressed Air Solutions



Service Integrity

Quality products ably supported by quality service!



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 and spare parts availability. We are available for any technical consultation to optimize the performance of your equipment and 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 feedback and continuosly endeavour to improve our products and services.

Which plan is perfect for you?

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, upfront cost to help plan your maintenance budget
- Elimination of stock & administration costs
- Genuine spares and lubes, with servicing by certified Chicago Pneumatic engineers

User Benefits

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

Original parts. Quality assurance.

ORIGINAL PART

24 7 Service ahead of time.

Product Portfolio

100% Oil-Free Compressed Air System

HX-Vertical

Capacity: 42-136 CFM
Intel Pressure: Atmospheric
Working Pressure:
7-9-10 bar
Motor: 15-30 HP
Version: Air/Water Cooled



Air Treatment Accessories

Air Dryer
Air Receivers: Stand Alone
Air Filters: Dust/Oil removal



PET

Capacity: 55-960 CFM
Working Pressure:
32-42 bar
Motor: 25-335 HP
Version: Air/Water Cooled, Inverter driven



HN4-BOP

Capacity: 1400-3000 cfm
Working Pressure:
2.5-4-7-10 bar
Motor: 215-540 HP
Version: Air/Water Cooled



PX/PXi

Capacity: 122-781 CFM
Working Pressure:
7-10 bar
Motor : 30-100 HP
Version: Air/Water Cooled, Inverter driven



HN2-BOP

Capacity: 576-1610 CFM
Working Pressure:
2.5-4-7-10 bar
Motor: 120-215 HP
Version: Air/Water Cooled Inverter driven



Customized Machines

Engineered machine as per requirement
API 618 compliance*
Extra features
End to End solution
Gas/Media: Air &N2





Since 1901, the Chicago Pneumatic name has represented reliability and attention to customer needs, with tools and compressors designed for specific industrial applications. Today, Chicaco Pneumatic has a global reach, with local distributors around the world.

Our people start every single day with a passion to research, develop, manufacture and deliver new products that are meant to meet your needs not only today, but tomorrow as well.

To learn more, visit www.cp.com.

Chicago Pneumatic: Full Offer, Global Presence



Vertical Machine



Oil-Free PET



Silenced Machine



Gas Compressor



Dryer

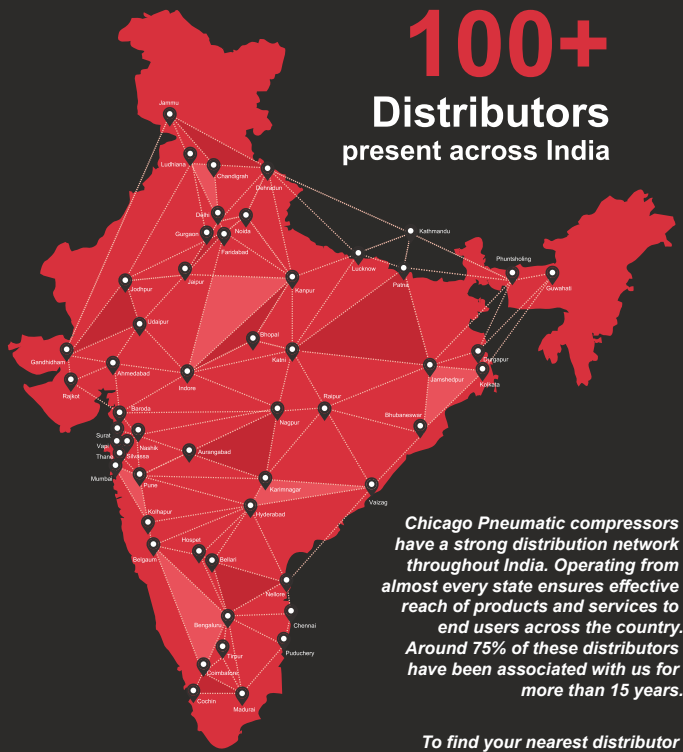
Chicago Pneumatic Compressors
Sveanagar, Mumbai-Pune Highway, Dapodi,
Pune - 411012, Maharashtra, India.

ORIGINAL PART

Design
Manufacturing, Sales and
Service of Air Compressors,
Air Dryers and Air Filters

ISO 9001. ISO 14001
OHSAS 18001
Forms an integral part of each business process of Chicago Pneumatic Compressors

Dealer Network



Chicago Pneumatic compressors have a strong distribution network throughout India. Operating from almost every state ensures effective reach of products and services to end users across the country. Around 75% of these distributors have been associated with us for more than 15 years.

To find your nearest distributor please visit www.cp.com

Regional Customer Centers

West	'Rushabh', 2nd Floor, Adjacent to Hotel 'Silverador Boutique', Manpada, Ghodbundar Road, Thane (W) - 400607, Maharashtra, India
North	Unitech Business Park, Tower - A, First Floor, Block - F, Sector - 41, South City - I, Gurgaon – 122001 (Haryana), India
East	Merlin Acropolis, 14th Floor, Office Unit No. 15/3, 1858/1 Rajdanga Main Road, Kolkata, West Bengal 700107, India
Central	404,Fourth Floor Amsri Shamira,Old Lancer Lines, Secunderabad 500025, India
South	No.1-A, 5th Floor, Kushal Garden, Systems Compound, Peenya Industrial Area, 2nd Phase, Bengaluru 560058, India

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

Dealer Stamp

Toll Free No.: 1800 120 110040 | Email : customer.care@cp.com

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