

# Flexible Drive Rotary Screw Air Compressor

15 - 30 HP



People.  
Passion.  
Performance.



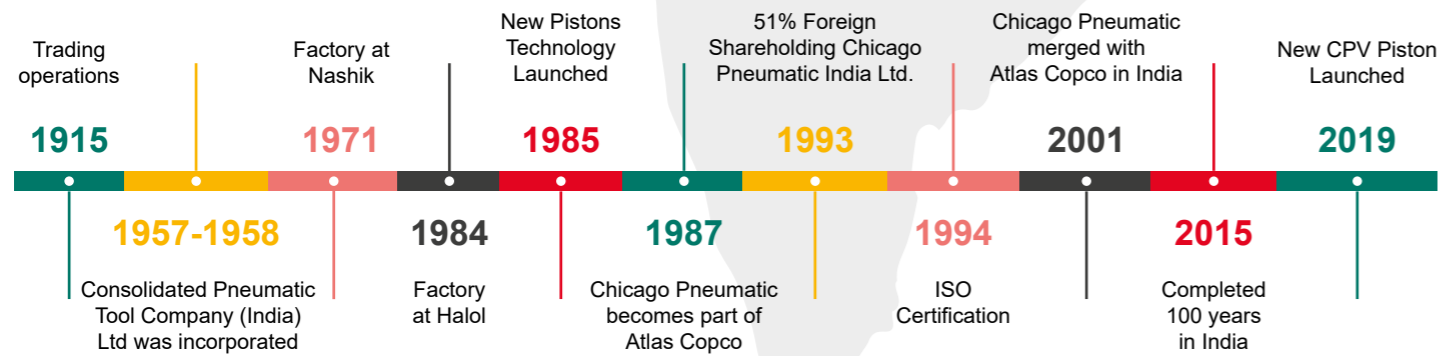
Chicago  
Pneumatic

# Over a 100 years of industrial excellence in India

Chicago Pneumatic (CP) is a global leader in the design, manufacture and distribution of high-performance compressors. In addition to pioneering design, high impact technology and durability, Chicago Pneumatic means Customer Value. Our goal is to deliver best-in-class global service and local support to our customers through a dedicated product portfolio and a strong network of authorized distributors. We generate added value by delivering the best solution to your needs based on our decades of experience.

Today, CP is a global brand that offers products for countless applications and almost every industry. We are also proud to say that after all these years CP still stands for reliability, durability and customer value.

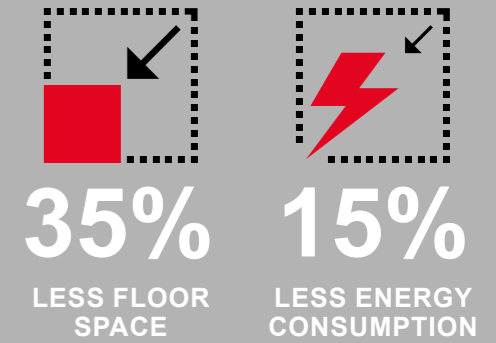
## Decades of Innovation



## CPB benefits

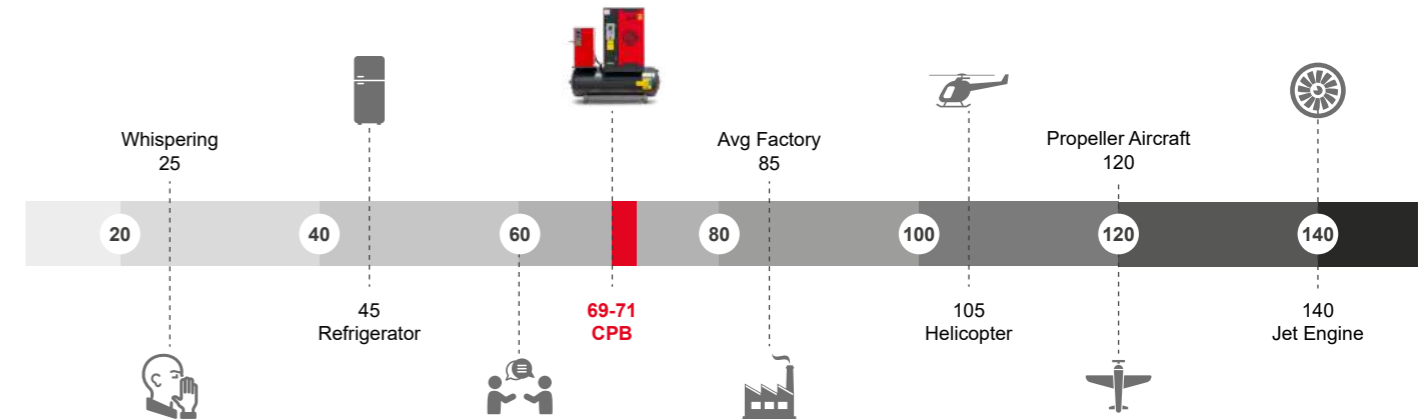


- Excellent performance
- Assured reliability
- Longer life
- Continuous duty operation
- Lower oil residual in compressed air
- Pulsation free air



\*note: compared to previous design

## Quiet operation



## Designed for India's tropical conditions:

	European Condition	Tropical Condition
<b>Temp</b>	Max 20° C Min Sub Zero	Max 50° C Min Varying
<b>Environment</b>	Dust Free, Pressurized & Ventilated	Dusty Industrial
<b>Mindset</b>	Use & Throw	Use & Continue using

- Pre tensioned flexible drive
- Pre filter panel
- Pressurized canopy
- Natural ventilation passage
- Effective cooling





# Product Features

## Flexible Drive Rotary Screw Air Compressors

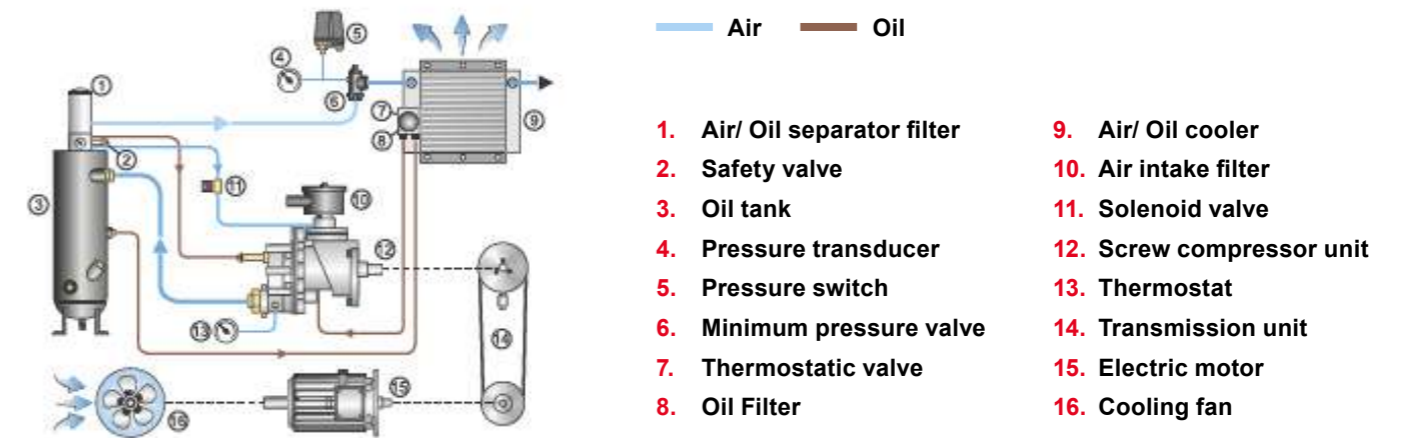


## Unique design - Pressurized Canopy and Pre Filter

- Pre filter avoids any dust entry inside the canopy
- Pre filter maintains cleanliness inside canopy
- Pre filter enhances suction filter element life
- Natural ventilation passage provides smooth and consistent flow of cool ambient air
- Pressurized canopy interior avoids any suction pressure drop decreases compressor ratio



## Flow diagram



## Product variants - The CPB range

		
<b>CPB Floor Mount</b>	<b>CPVR Floor Mount/TMD</b>	<b>CPB tank mounted with dryer</b>
<ul style="list-style-type: none"> <li>• Small foot print</li> <li>• Plug to existing receiver</li> </ul>	<ul style="list-style-type: none"> <li>• Built in Inverter Drive (IVR) drive</li> <li>• Saves upto 35% Power</li> </ul>	<ul style="list-style-type: none"> <li>• For moisture free and oil free application (with dryer and filter)</li> </ul>

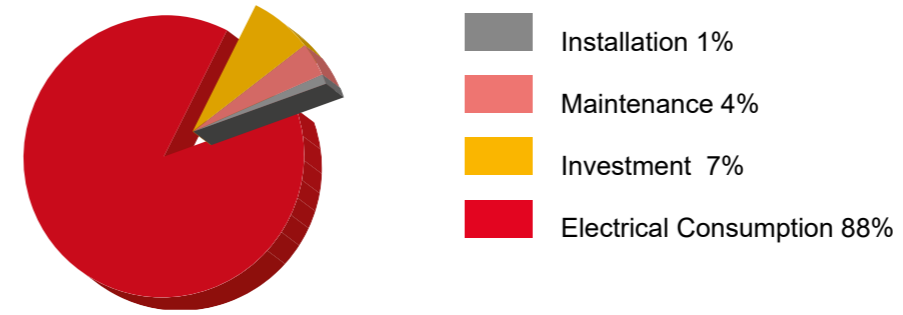
## Inverter drive (IVR)

The IVR Drive in the compressor, which electronically adjusts the motor's rotation speed, only consumes the energy needed to produce the compressed air required by your application.

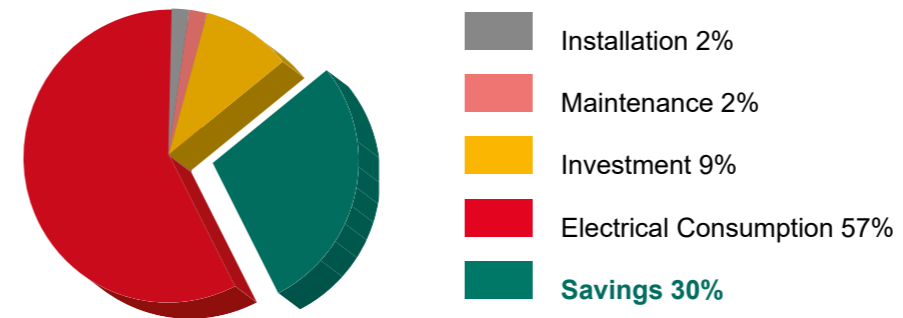


## Life Cycle Cost

### Fixed Speed



### IVR



Reducing electricity consumption means:

Lower Power Costs = SAVINGS

Lower Power Consumption = ENVIRONMENTAL FRIENDLINESS

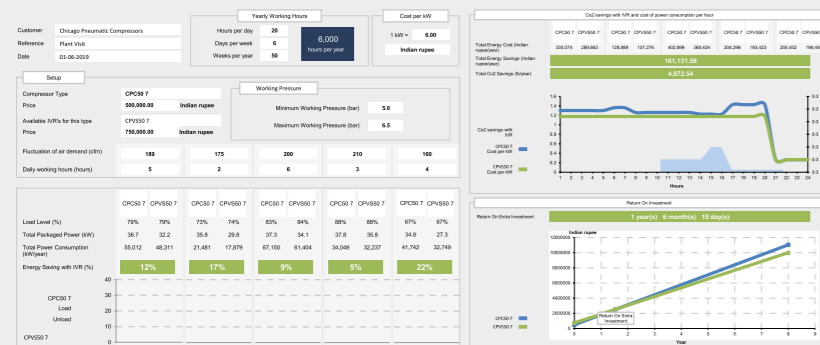


## Energy Saving with Electronic Regulation

### Electronic Regulation

The ES 4000 electronic controller groups all the command controls and alarms of the machine. This device allows management of all running and control functions of the machine; eliminating need for supervision during working.

## Energy audit

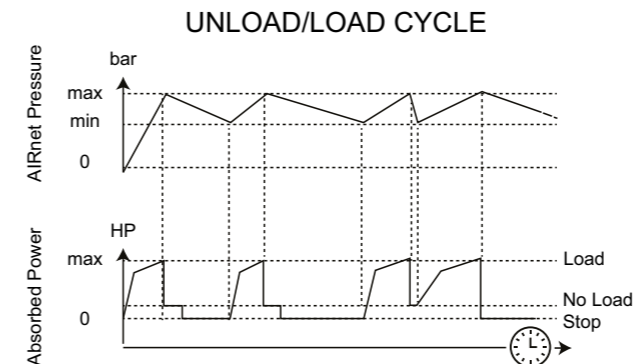


A frequency driven compressor potentially offers an energy efficient compressed air installation, with a ROI of less than 18 months.

Chicago Pneumatic has developed the Energy Cutter, a tool which calculates yearly savings that can be obtained from investing in a VFD Compressor for any specific industry.

We offer energy audits, specialized advice to make sure you make the right decision when buying your compressor.

### Energy Saving



# Technical Data

## Inverter Driven

Model	Pressure (BAR G)	CFM @ BAR					dB (A)	End Connection	Weight KG	Dimensions (L X W X H) mm
		4	7	8	10	13				
		CPVR 20	10	38 ~ 80	37 ~ 79	37 ~ 79				
CPVR 20	13	29 ~ 65	29 ~ 65	29 ~ 65	28 ~ 64	26 ~ 62	72	1"	420	1300 X 780 X 1200
CPVR 25	10	50 ~ 102	49 ~ 101	47 ~ 100	47 ~ 100	-	72	1"	460	1300 X 780 X 1200
CPVR 25	13	36 ~ 79	37 ~ 79	37 ~ 79	36 ~ 78	34 ~ 76	72	1"	460	1300 X 780 X 1200
CPVR 30	10	56 ~ 114	55 ~ 114	55 ~ 114	54 ~ 112	-	72	1"	485	1300 X 780 X 1200
CPVR 30	13	49 ~ 101	49 ~ 101	49 ~ 101	47 ~ 100	46 ~ 98	72	1"	485	1300 X 780 X 1200

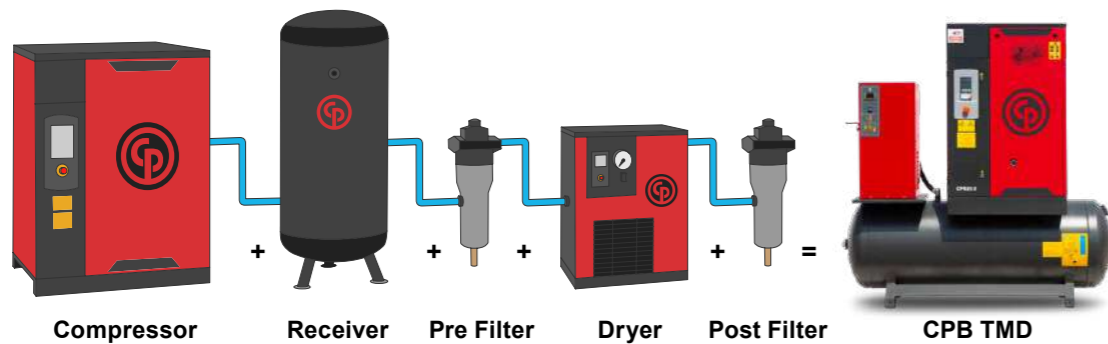
## Fixed Speed

Model	HP	CFM @ BAR			dB (A)	End Connection	Weight KG		Dimensions in mm	
		8	10	13			FM	TMD 500	FM	TMD 500
		CPB 15	15	70			60	49	69	1"
CPB 20	20	93	79	64	69	1"	360	570	800 X 800 X 1245	1880 X 805 X 1875
CPB 25	25	112	97	80	70	1"	370	600	800 X 800 X 1245	1880 X 805 X 1875
CPB 30	30	129	110	96	71	1"	395	620	800 X 800 X 1245	1880 X 805 X 1875
CPB 40	40	150	123	107	72	1"	505	-	1300 X 780 X 1200	-

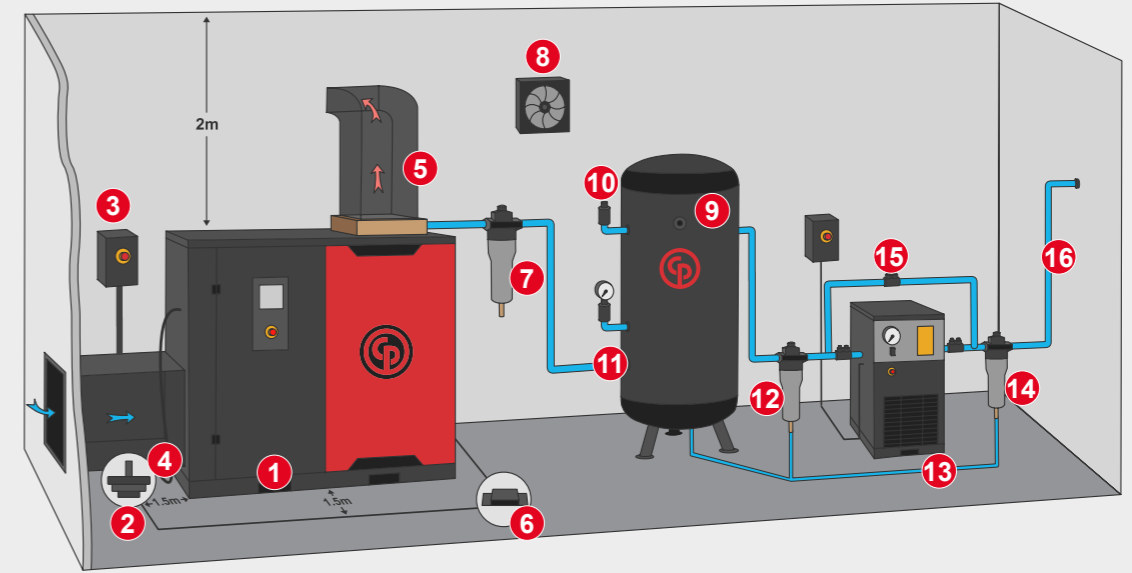
Note:  
 1. Noise Level is measured as per ISO 2151 / Pneurop / CAGI PN8NTC2  
 2. Receiver Capacity Option is 500 Litres  
 3. Unit Performance is measured as per ISO 1217 Ed 4 2009

FM : Floor Mounted  
 TMD : Tank Mounted with Dryer and Filters

## A Complete Compressed Air Package - CPB TMD 500



# Maintenance and installation guidelines



- 1 Compressor
- 2 Earthing
- 3 SFU (Switch Fusing Unit)
- 4 Copper cable
- 5 Exhaust dust
- 6 Floor leveling
- 7 Moisture separator
- 8 Exhaust fan
- 9 Air receiver
- 10 Safety valve
- 11 Pressure gauge
- 12 Pre-filter
- 13 Dryer
- 14 After Filter
- 15 By pass valve
- 16 AIRnet piping

## Service Features

Chicago Pneumatic CPB range is supported by a full range of service kits that come complete with genuine parts & oil.

- Genuine parts guarantee extended compressor service life and reliability.
- Cost-effective service solution based on optimum service intervals.
- Save time and administration - no need to determine individual service parts.
- Off-the-shelf availability.
- Chicago Pneumatic's specifically formulated screw oil offers sustainable lubricant properties even under demanding operating conditions.

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

Service ahead of time.  
Original parts, Your quality assurance.

24/7 Service ahead of time. ORIGINAL PART

**AirXtend**  
Secure Assurance. Built To Last.



We serve many industries...



Machining



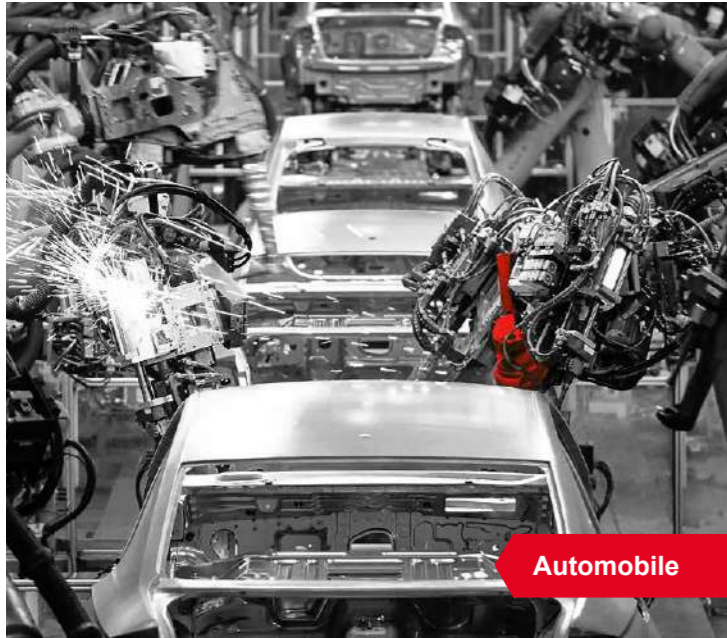
Laser Cutting



Metal Working



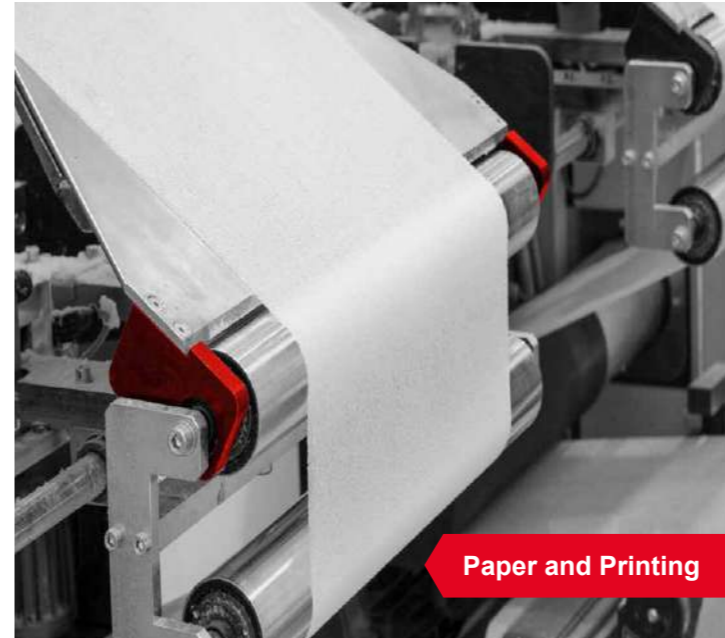
Wood Working



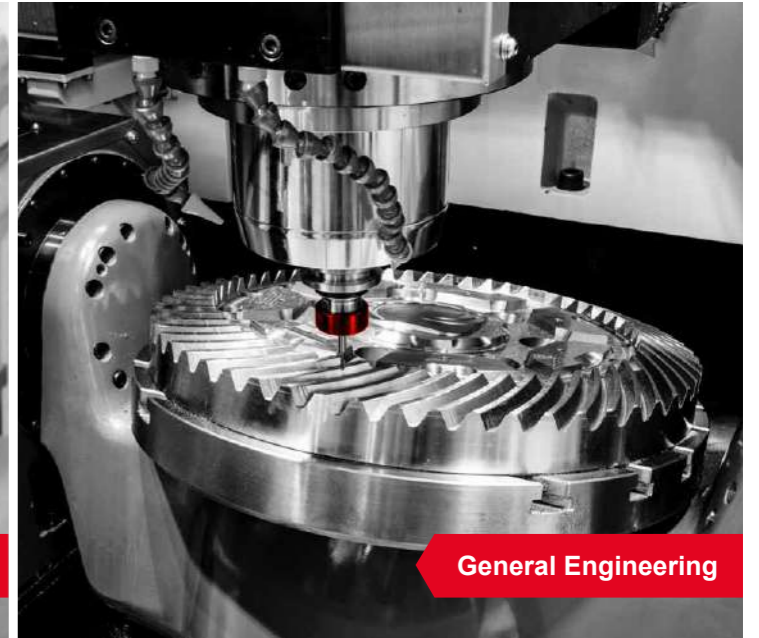
Automobile



Oil and Gas



Paper and Printing



General Engineering



Colour Sorter



Aerospace



Pharmaceutical



Spinning (Textile)





Since 1901 the Chicago Pneumatic name has represented reliability and attention to customer needs, with construction, maintenance and production tools and compressors designed for specific industrial applications. Today, Chicago 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](http://www.cp.com).

## Chicago Pneumatic: full offer, global presence



TMD



CPVS



WIS AIR



Spiral AIR



PPNGs



TAS



CPV

### Chicago Pneumatic Compressors

Sveanagar, Mumbai Pune Highway, Dapodi, Pune - 411 012, Maharashtra, India.

**Dealer Network**

**100+**  
**Distributors**  
present across India

*Chicago Pneumatic compressors have strong Distribution network operating from almost every state ensures effective reach to the products and services to the end users across the country. Of which, around 75% of dealers have been associated with us for more than 15 years.*

To findout your nearest Distributor please check [www.cp.com](http://www.cp.com)

### Regional Customer Centers

<b>West</b>	"RUSHABH" 2 <sup>nd</sup> Floor, Adjacent to Hotel "Silverador Boutique", Manpada, Ghodbundar Road, Thane (W) - 400607, Maharashtra, India
<b>North</b>	Unitech Business Park, Tower - A, 1 <sup>st</sup> Floor, Block - F, Sector - 41, South City-I, Gurgaon - 122001
<b>East</b>	Merlin Acropolis, 14 <sup>th</sup> Floor, Office Unit No. 15/3, 1858/1, Rajdanga Main Road, Kolkata 700107, West Bengal, India.
<b>Central</b>	4 <sup>th</sup> Floor, Block A, Amsri Shamira Building, Old Lancer Lines, Secunderabad - 500 025
<b>South</b>	No. 1-A, Kushal Garden, Peenya Industrial Area, Peenya 2 <sup>nd</sup> Phase, Bangalore - 560 058

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



**Toll Free No.: 1800 120 110 040 | Email: [customer.care@cp.com](mailto:customer.care@cp.com)**

Use only authorized parts. Any damage or malfunction caused by the use of unauthorized parts is not covered by Warranty or Product Liability.