120 YEARS

10-20 HP

Flexible Drive Rotary Screw Air Compresor



People. Passion. Performance.

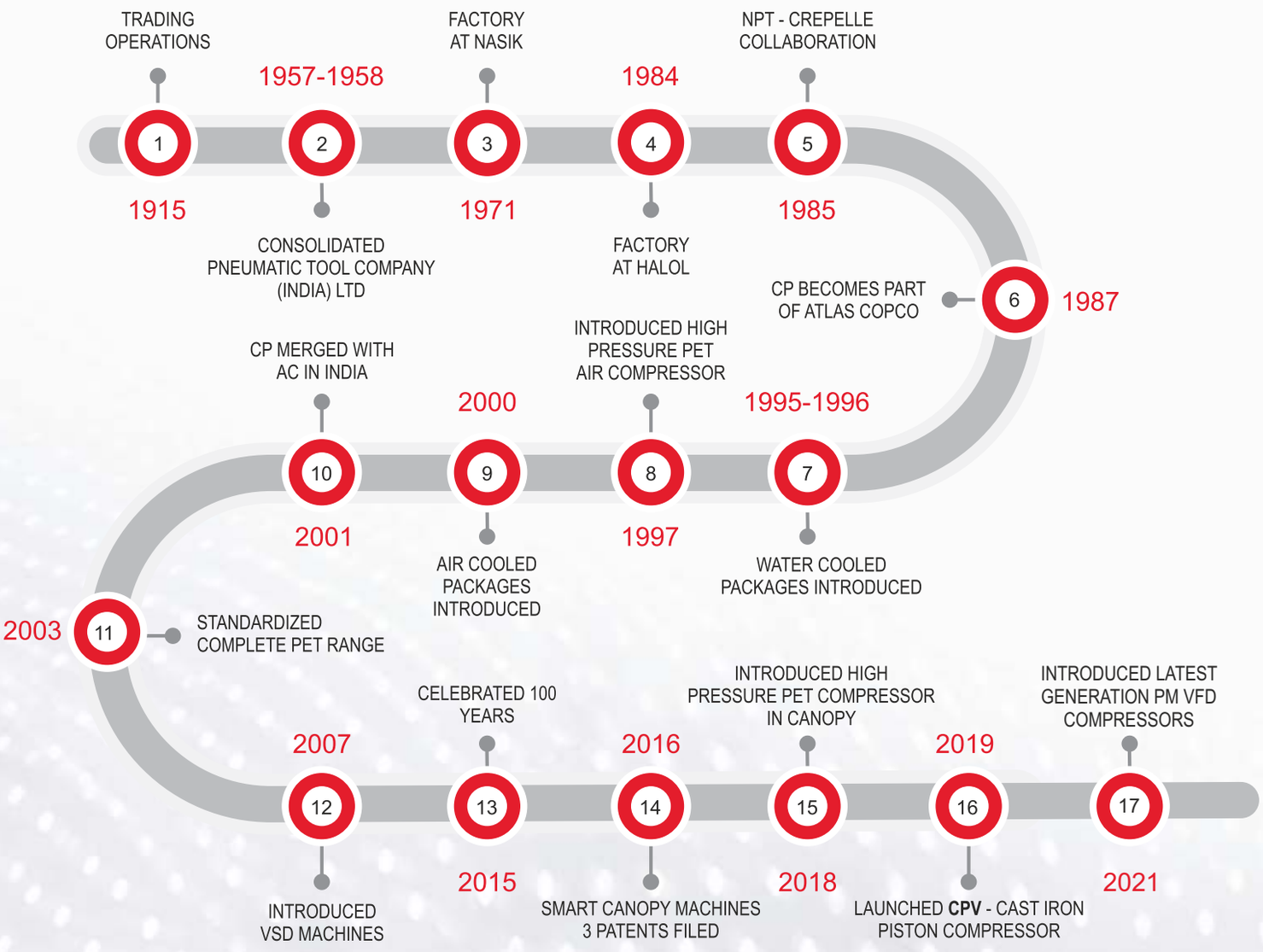
Chicago Pneumatic

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 meet 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.

100+ YEARS (1915 – 2015)



Designed for Tropical Conditions

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

Screw Element



Why Tropical Design?

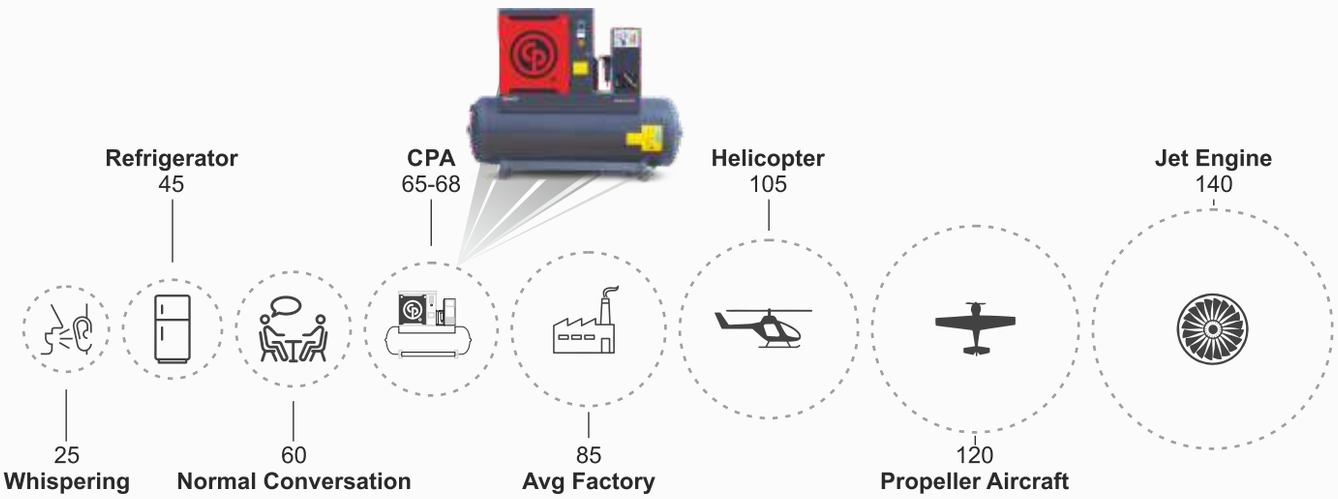
	European Condition	Tropical Condition
Temp	Max 20° C Min Sub Zero	Max 50° C Min Varying
Environment	Dust Free, Pressurized & Ventilated	Dusty Industrial
Mindset	Use & Throw	Use & Continue Using

Key Benefits:

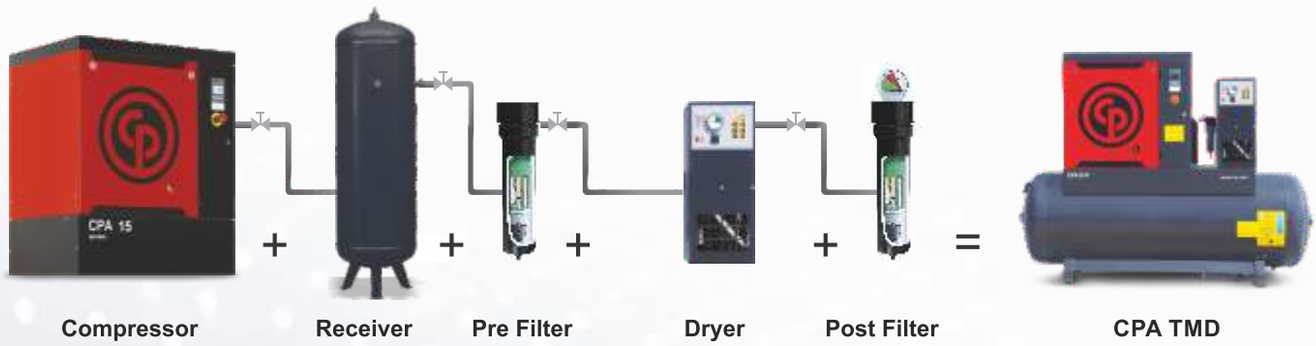
- Excellent performance
- Assured reliability
- Longer life
- Continuous duty operation
- Lower oil residual in compressed air
- Pulsation-free air

Quiet Operation

- Rotary Screw Technology
- Sound Enclosure Helps In Noise Reduction



A Complete Compressed Air Package - CPA TMD 500



Product Features - Flexible Drive Rotary Screw Air Compressors



Screw Element
Robust and Silent



ES 4000
24x7 Compressor
Surveillance
User Friendly



Oil Separation System
3 Stage Effective
Oil Separation



Electrical Cubicle
Monitors Power
Management



CPA Unit Performance
100% Factory
Tested & Certified





Air Intel Duct With Fan
Guides Air Flow
Through the
Compressor



Pre filter Panel
Breathes in
Dust-Free Air



Electric Motor
High Efficiency
TEFC Motor



Combination Cooler
Aluminium With Fine
Fins Design For
Efficient Cooling



Flexible Drive
Reliable and
Relentless Operation

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 and decreases compressor ratio



Permanent Magnet Motor (PM VFD)

The PM VFD 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.

Up to 45%

PM VFD Saves up to 45% Power and Thus Ensures Faster Payback

Regulates Pressure Within 0.1 Bar.

Built-In PM VFD for Maximum Reliability



Assures Constant Power Factor

Factory Tested Machine at Critical Speed to Minimize Vibration/ Resonance Risk

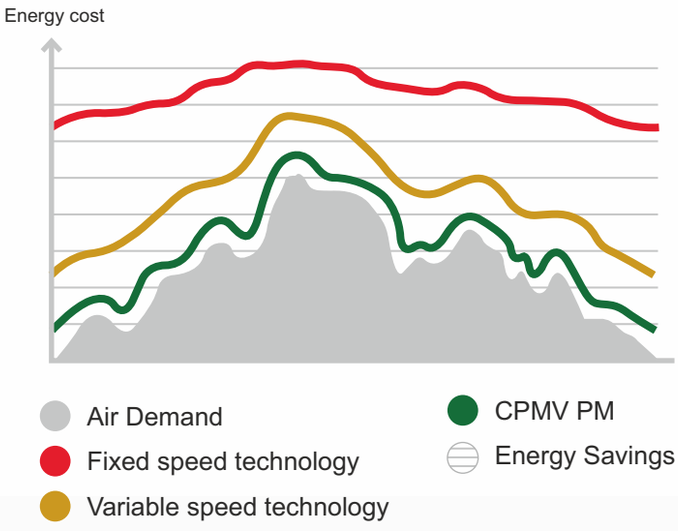
Assures Reduced Carbon Dioxide Emissions

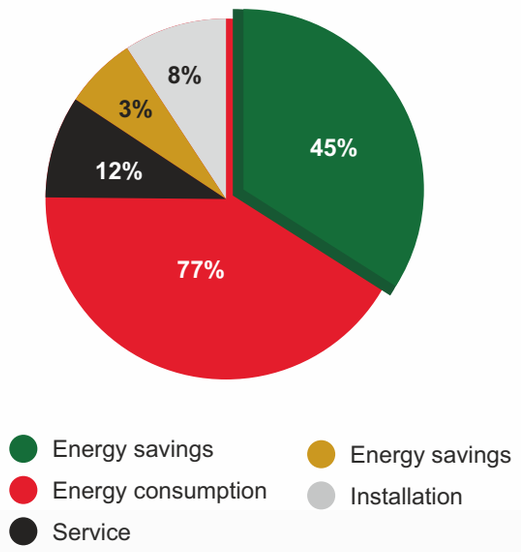
Eliminates Unloading Power to Almost 0%

Helps Save the Environment

Why invest in CPMV PM?

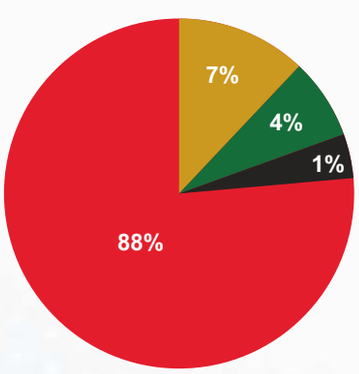
In the CPMV PM range we have combined our imporium variable speed technology with our new and highly efficent drive train with PM motor technology and evolved the energy efficiency of variable speed compressors to a new level, resulting in energy savings of up to 45%



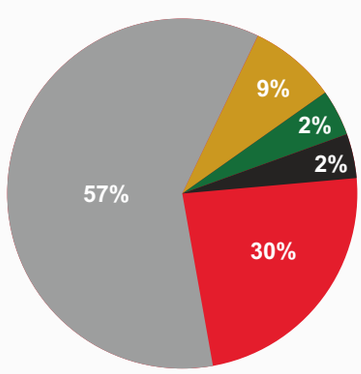


Life Cycle Cost

Fixed Speed



IVR



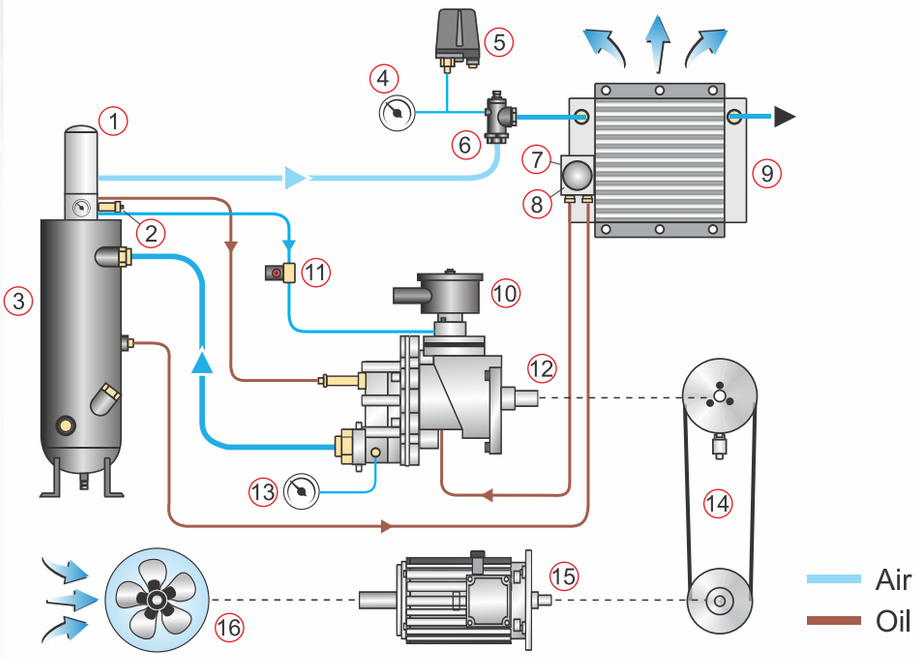
Reducing electricity consumption means:

Lower Power Costs
= **SAVINGS**

Lower Power Consumption
= **ENVIRONMENTAL FRIENDLINESS**



Flow Diagram



1 Air / Oil separator filter
2 Safety valve
3 Oil tank
4 Pressure transducer
5 Pressure switch
6 Minimum pressure valve
7 Thermostatic valve
8 Oil filter
9 Air / Oil cooler
10 Air intake filter
11 Solenoid valve
12 Screw compressor unit
13 Thermostat
14 Transmission unit
15 Electric motor
16 Cooling fan

Product Variants - The CPA Range



CPA Floor Mount

- Small footprint
- Plug to existing receiver



CPMV PM VFD

- Direct Drive (1:1) for enhanced savings
- World Acclaimed "Horizontal Design for EASE OF SERVICE



CPA Tank Mounted Compressor with Dryer and Filter
(270 and 500 L tank)

- For moisture free and oil-free applications
- 270 series - For steady air demand
- 500 series - For fluctuating air demand



CPA Tank Mounted Compressor
(270 L tank)

- All-in-one compact solution
- Smaller footprint and ease of installation

Technical Data

Model	Pressure (In Bar)	Motor HP	Motor kW	Capacity CFM Min	Capacity CFM Max	Noise db (A)	End Connection	Weight (KG)	L W H in mm
CPVR 15/7	7	15	11	23	58	68	3/4"	230 FM Version 765 TMD 300 Version 765 TMD 500 Version	FM : 851 X 590 X 1090 TMD 300 : 1485 X 620 X 1640 TMD 500 : 1860 X 620 X 1640
CPVR 15/10	10	15	11	20	50	68	3/4"		
CPVR 15/13	13	15	11	17	43	68	3/4"		

Model	Motor HP	Cfm Range @ Bar 7	Cfm Range @ Bar 8	Cfm Range @ Bar 10	Noise dB (A)	End Connection	Weight (KG) FM	Weight (KG) TMD 500	L W H in mm
CPMP 10 PM	10	7 - 41	7 - 38	7 - 33	73	3/4''	205	NA	850 X 750 X 1000
CPMP 15 PM	15	10 - 61	10 - 57	10 - 50	73	3/4''	205	NA	850 X 750 X 1000
CPMP 20 PM	20	17 - 73	17 - 69	17 - 63	73	3/4''	205	NA	850 X 750 X 1000

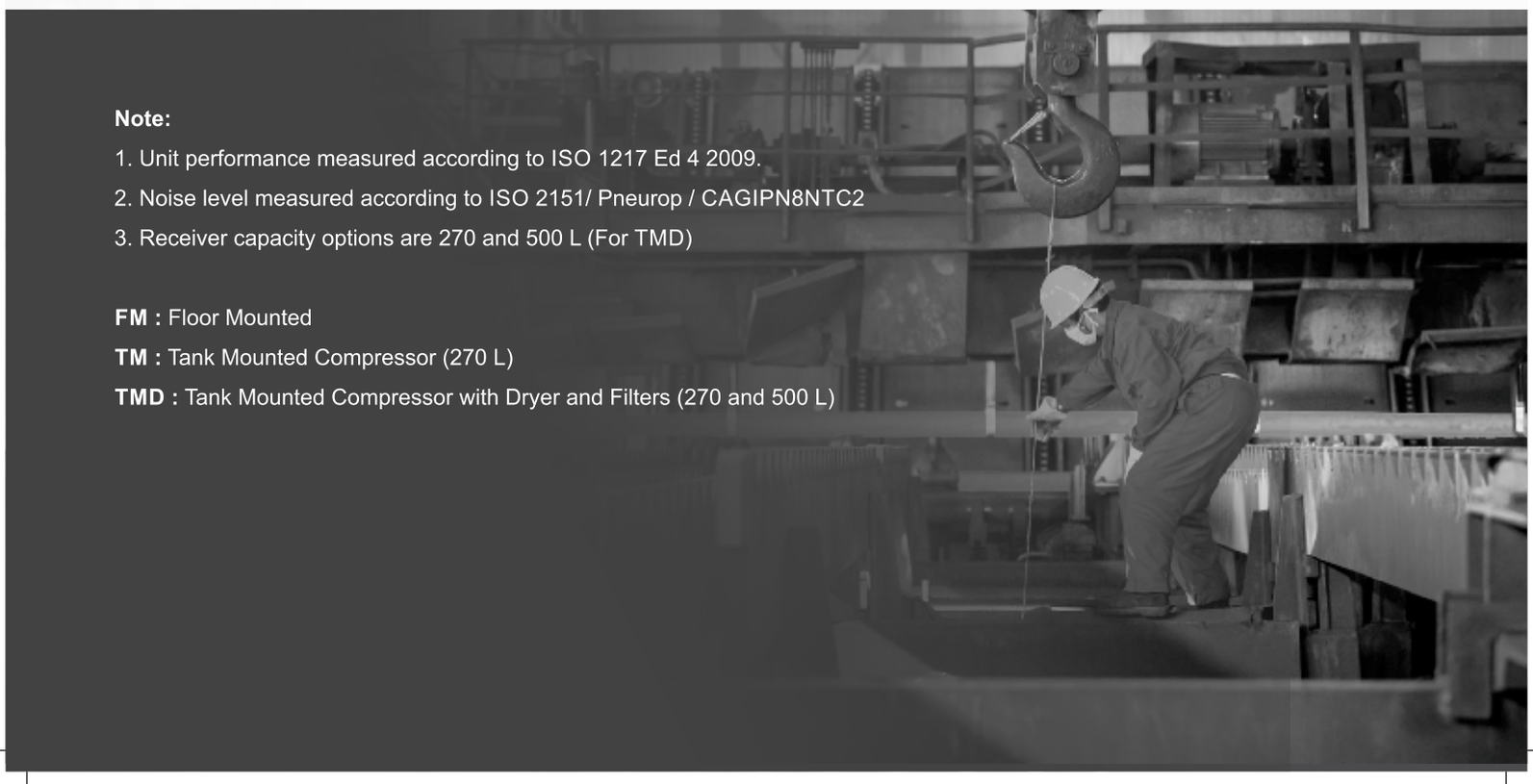
Note:

1. Unit performance measured according to ISO 1217 Ed 4 2009.
2. Noise level measured according to ISO 2151/ Pneurop / CAGIPN8NTC2
3. Receiver capacity options are 270 and 500 L (For TMD)

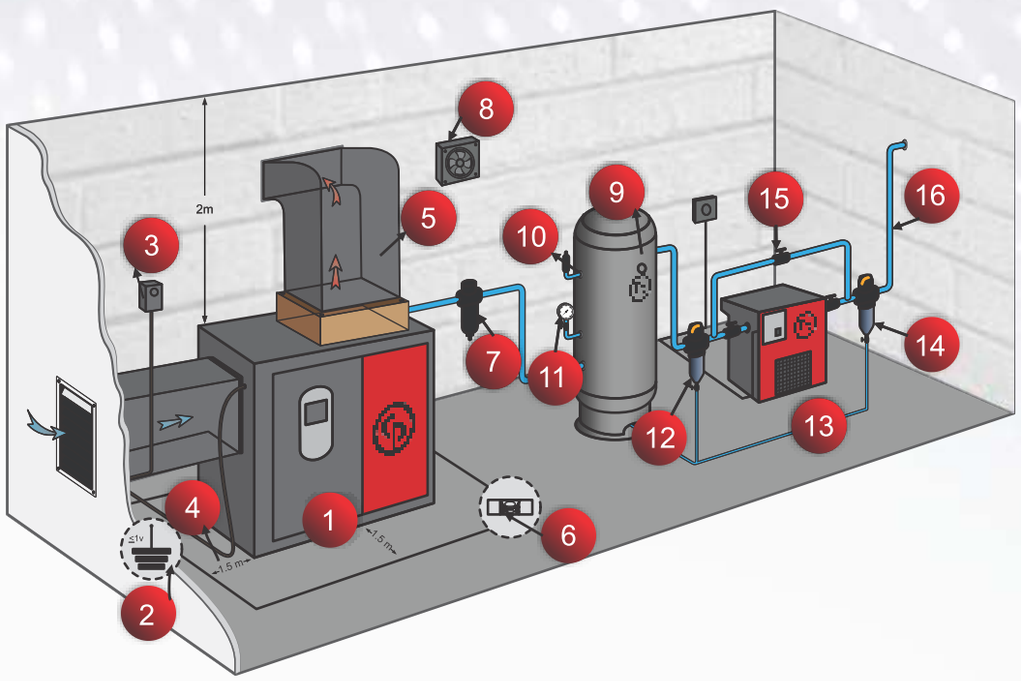
FM : Floor Mounted

TM : Tank Mounted Compressor (270 L)

TMD : Tank Mounted Compressor with Dryer and Filters (270 and 500 L)



Maintenance and Installation Guidelines



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

Air Xtend

Have Complete Peace of Mind With Air Xtend,
Our Extended Warranty Plan on Screw Element

Air Xtend
Secure Assurance. Built To Last.



*For more details contact service representative

To know more visit us at **www.cp.com/en-in/Compressors**

Preferred Choice Across Multiple Industries


Pharmaceutical


Auto Ancillaries


CNC Machines


Textile

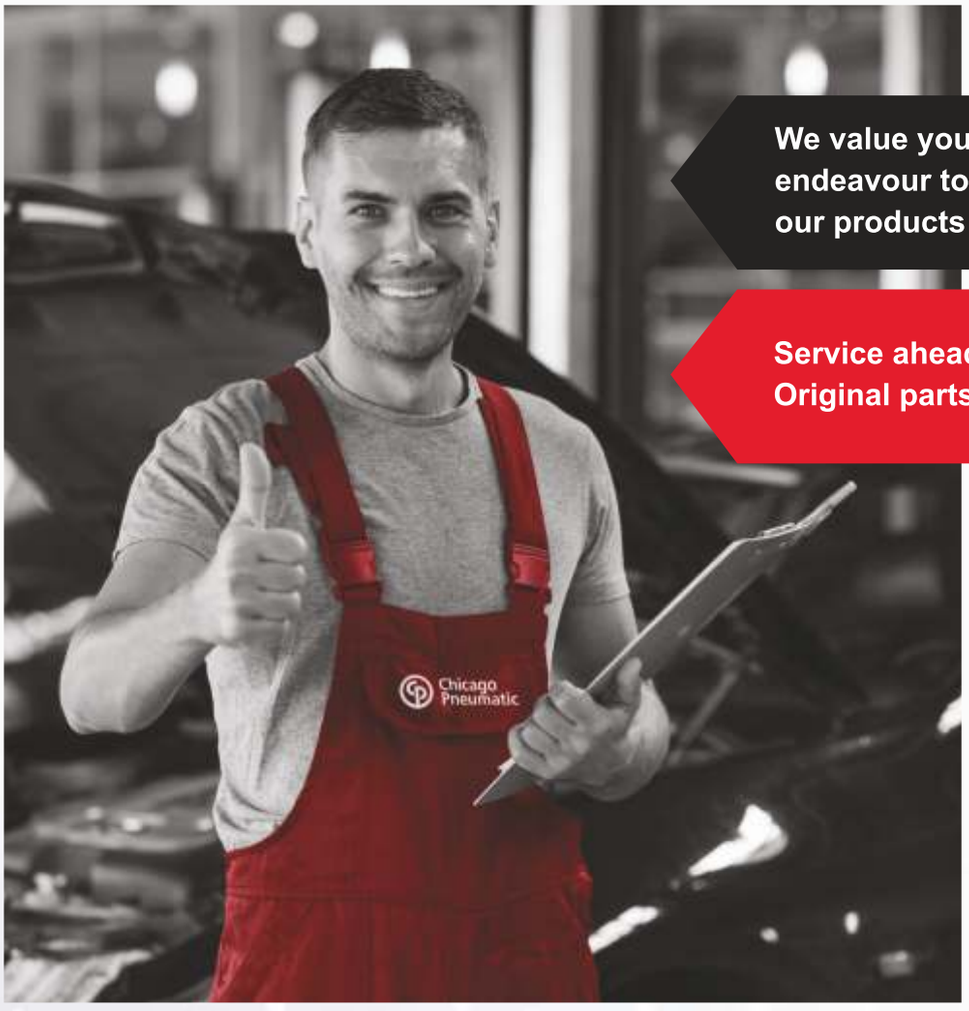

Healthcare

Service Features

Quality products ably supported by quality service!

Chicago Pneumatic compressors are supported by a full range of service kits that come complete with all necessary genuine parts and lube oil.

- Genuine parts guarantee, extended compressor service life and reliability
- Cost-effective service solutions based on optimum service intervals
- Save time and administration - no need to determine individual service parts
- Off-the-shelf availability
- Chicago Pneumatic genuine oil is specifically designed to offer sustainable lubricant properties even under demanding operating conditions.



We value your feedback 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.

Chicago Pneumatic

At Chicago Pneumatic we have a passion for performance and long-lasting partnership. Since 1901, we have been committed to reliability based on technology and trust.

People. Passion. Performance.

Chicago Pneumatic : Full Offer, Global Presence


Tank mounted compressor package


Inverter driven compressors


Water injected screws


Scroll compressors


Gas generators


Air treatment


CPV


PM motor 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

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

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

Dealer Stamp

Powered by a strong aftermarket support at your doorstep

24 7 Service ahead of time.

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