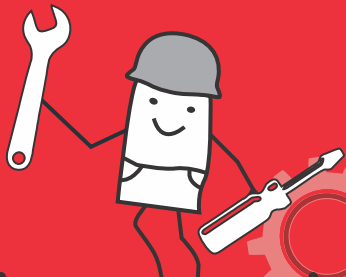




Chicago  
Pneumatic

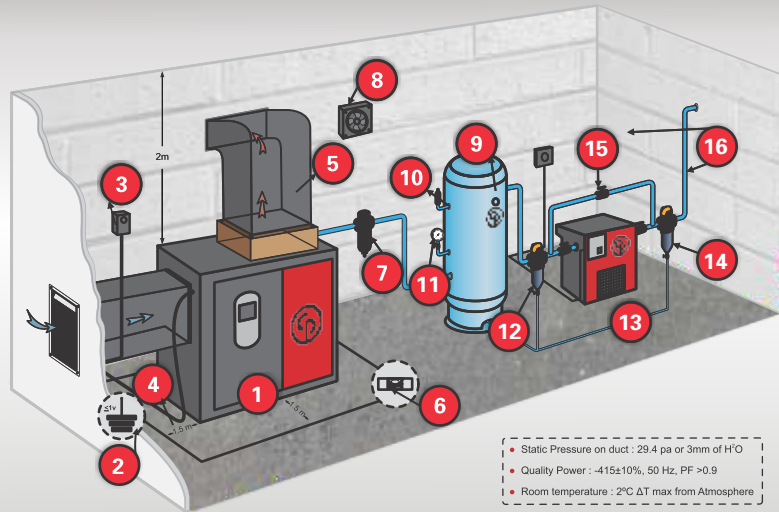
# Installation & Maintenance guidelines



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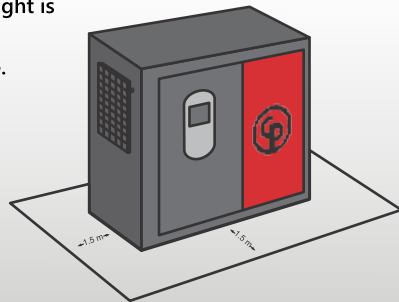


- |                                   |                             |                           |
|-----------------------------------|-----------------------------|---------------------------|
| <b>1</b> Compressor               | <b>6</b> Floor leveling     | <b>12</b> Pre-filter      |
| <b>2</b> Earthing                 | <b>7</b> Moisture separator | <b>13</b> Dryer           |
| <b>3</b> SFU (switch fusing unit) | <b>8</b> Exhaust fan        | <b>14</b> After Filter    |
| <b>4</b> Copper cable             | <b>9</b> Air receiver       | <b>15</b> By pass valve   |
| <b>5</b> Exhaust dust             | <b>10</b> Safety valve      | <b>16</b> Air Net Pipings |
|                                   | <b>11</b> Pressure gauge    |                           |



## Compressor Placements

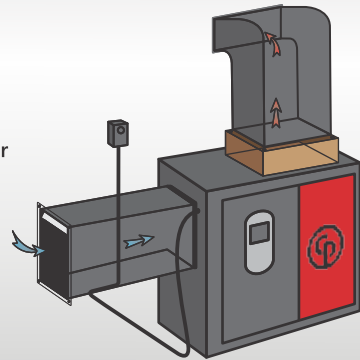
- The machine should be placed only on plain industrial levelled floor only.
- Minimum 1.5 Meter distance should be maintained on each side
- Minimum 2 Meter height is required, else if height is less duct is mandatory.
- Switch Fuse Unit (SFU) is must near to machine.



## Compressor Room Ventilation

- Room must be cross ventilated,
- If temperature rise difference between room and Atmosphere is more than  $2^{\circ}\text{C}$  Duct\* is must.
- Duct should be of minimum length and height for optimal performance.
- Static pressure in duct should be less than 29.4 pa or 3mm of Water column Suction duct is required for chemically contaminated room. (Optional)
- Exhaust fan is required to control the room temperature. (Optional)
- Duct should have easy accessibility for ease of maintenance.

\* - Duct size and specification strictly as per Chicago Pneumatic standards. Kindly refer Instruction Manual for details.



## Compressor Electricals



- Quality Power required : 415 V  $\pm$  10%, 50 Hz, Power Factor > 0.9
- Power earthing is mandatory and instrumentation earthing to be provided separately to PLC
- Earth value between Neutral and earthing should not exceed 1 V Power
- Cable should be connected to the machine with proper lugs and glands.
- Copper cable is preferred.
- Avoid any loose connection.
- For selection of cable and SFU, please refer to the chart given below.

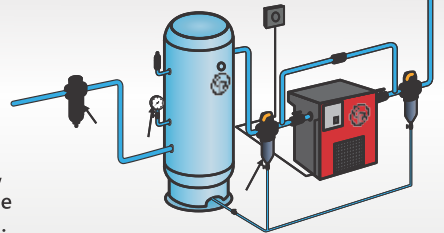
Motor Rating (in HP)	Incoming Cable 3.5 Core (in Sq.mm.)		SFU Rating (in Amps.)
	Cu	Al	
3 - 4	1	1.5	16
5	1.5	2.5	16
7 - 10	2.5	5	32
15	6	10	32
20	10	16	50
25 - 30	16	25	63
40	25	35	80
50	35	50	100
60	50	70	100
75	50	95	160
100	70	150	160
120	95	185	200

## Compressor Piping



- Ensure minimum bends, valves to avoid pressure drop.
- Standard discharge pipe dia to be maintained as per compressor outlet.
- If required, pipe dia can be increased proportionately to length of piping.
- **CP AIRnet** Piping recommended for Fast, Easy installation and Reliable Performance
- Preferred sequence order for installation :

Compressor → Moisture separator → Air receiver → Pre-filter → Dryer → After filter



## Service guidelines

- Use Chicago Pneumatic Genuine parts only.
- Use service kits as per the service schedule.
- Compressor service should be carried out by trained professionals only.
- Use of Safety PPE during maintenance schedule is a must.
- LMRA and use of LOTO during maintenance schedule is mandatory.
- Hazardous waste disposal to be regulated through authorised agency only.



ORIGINAL PART

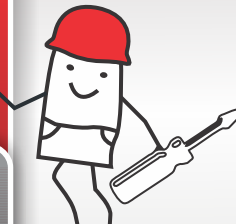


Use Genuine  
Parts only



For Warranty Registration  
Please Message :

**91-855 488 0040**



Warranty Registration is mandatory on same day  
of commissioning.

Please send sms on 0855 488 0040 in format given below on

1. Company Name

5. Date of commissioning

2. Contact Person

6. Compressor Model

3. Contact Number

7. Compressor Serial Number

4. Email Id

Reach us at : **1800 200 0040** Visit us at : **www.cp.com**

## Feedback



Dear Customer,

We, at Chicago Pneumatic are committed to providing you with reliable high performance products and service of the highest standard.

If we fall short of your expectations, please contact me at:

Direct no: 020 – 39852080  
Mobile no: 09370511640  
Email id: feedbackgm@cp.com

**Raman Koul** - General Manager, Chicago Pneumatic Compressors

## Chicago Pneumatic Compressor

Sveanagar, Mumbai Pune Highway, Dapodi, Pune - 411012 Maharashtra, India.

### Regional Customer Centres

BRANCH	ADDRESS	SALES ↴	SERVICE ↴	EMAIL
WEST	Rushabh, II Floor, Near American Heart Institute, Ghodbunder Road, Thane (W) 400601	93241 74565	93256 36552	sales.west@cp.com service.west@cp.com
NORTH	Unitech Business Park, Tower - A, First Floor, Block - F, Sector -41, South City -I ,Gurgaon - 122001	93124 06866	93124 17744	sales.north@cp.com service.north@cp.com
EAST	Trinity Plaza, 2nd Floor, East Wing, 84/1A, Topsia Road, (South) Kolkata 700 046	93322 90559	93322 91224	sales.east@cp.com service.east@cp.com
CENTRAL	4th Floor, Block A, Amsri Shamira Building, Old Lancer Lines, Secunderabad 500 025	88861 78825	93924 06641	sales.central@cp.com service.central@cp.com
SOUTH	No.1-A, Kushal Garden, Peenya Industrial Area, Peenya 2nd Phase, Bangalore - 560 058	93677 87070	93421 44450	sales.south@cp.com service.south@cp.com



### **Over 100 years industrial presence 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.