Chicago Pneumatic: full offer, global presence


TMD


IVR


Filter


Dryer


Air Receiver


CPE

Chicago Pneumatic Compressor
Sveanagar, Mumbai Pune Highway, Dapodi,
Pune - 411012 Maharashtra, India.
: + (91) 93 7191 9200 / 93 7106 0896

ORIGINAL PART

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	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	93900 38582	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

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

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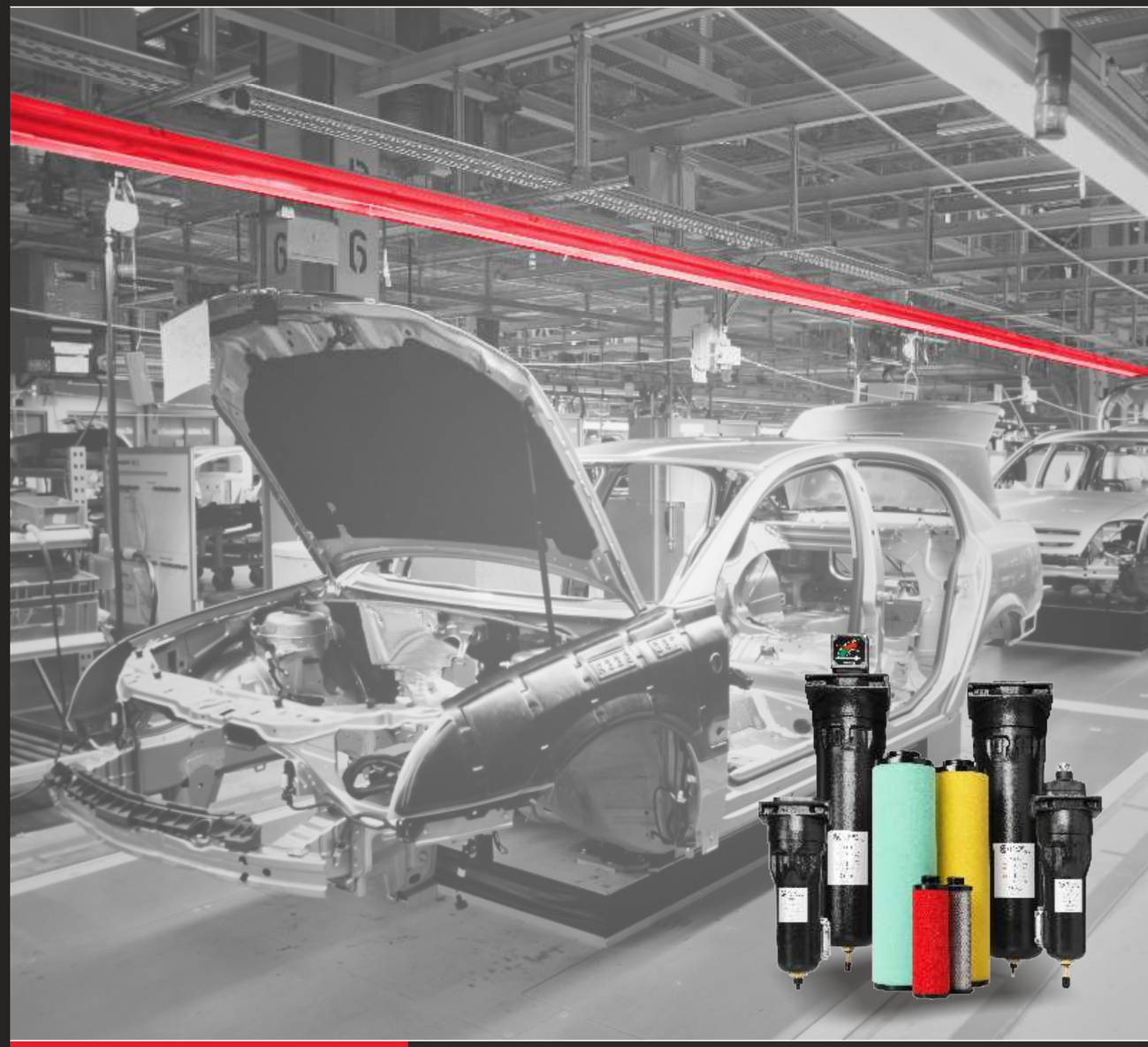
Chicago Pneumatic

100 YEARS 1915 2015



FILTER

People. Passion. Performance.

Coalescing Filter : G Series

- **High Efficiency general purpose protection. Filteration 1µm 0.1mg/m³ 0.1 mg/m³ Residual oil Green identification colour.**
- **Specifically suitable as pre-filter for dryers by refrigeration as well as for de-oiling device filters, for preventing the tear of piping, of surface treatments, etc.....**

- The standard coalescing filter uses the Green G element and provides a reliable filter for overall filtration
- Excellent low pressure drop
- More effective than a particulate filter because it also removes lubricant and liquids in suspension
- Ideal as a pre-filter for removing bulk solids and liquids before

COALESCER FILTER MEDIA (OIL REMOVAL)					
SERIES	DESCRIPTION	COALESCING EFFICIENCY	MAXIMUM OIL CARRYOVER	MICRON RATING	PRESSURE DROP (PSID) @ RATED FLOW
G	Coalescing filter capable of separating emulsion and particles down to 0.1 micron, liquid and oil included. Maximum contents of residual oil 0.1 mg/m3.	98.5%	0.1	0.1	1.2

Fine Coalescing Filter : C Series

- **High Efficiency Oil Removal Filtration. Filtration 0.01µm 0.01 mg/m³ Residual oil Red identification colour.**
- **Specifically suitable as post-filter for dryers by refrigeration, pre-filter for filters series FCA and dryers by adsorption, pneumatic transports, painting plants, control systems, lasers cutting, etc...(*).**

- The fine coalescing filter uses the Red C element and provides a high level of particulate and coalescing filtration
- Maximum coalescing efficiency available
- Excellent prevention of oil and fluid carryover into the system
- Provides technically oil-free air; exceeds ISO 8573 Class 1 for oil carryover

COALESCER FILTER MEDIA (OIL REMOVAL)					
SERIES	DESCRIPTION	COALESCING EFFICIENCY	MAXIMUM OIL CARRYOVER	MICRON RATING	PRESSURE DROP (PSID) @ RATED FLOW
C	Coalescing filter capable of separating residual oil and extremely small particles down to 0.01 micron. It produces air technically free from oil.	99.981%	0.008	0.01	1.3

Carbon activated filter: V Series

- **Activated Carbon Filtration 0.005 mg/m; Residual oil Silver identification colour.**
- **Activated carbon filter to remove steams oil, and hydrocarbons smells. Used in the pharmaceutical, foodstuffs, and chemical industry, photography labs, packaging industry, galvanic treatments, quality painting, etc....(*).**

- The adsorbing filter uses the Silver V element and represents the filter that is not able to remove particulates, but is able to remove vapor and odors
- Activated carbon media provides sustained protection from harmful vapors and prevents them from moving downstream in the compressed air
- Should always be mounted after a C Series or G Series
- Used for sensitive applications where the highest air purities are desirable: medical, electronics, pharmaceutical,etc.

ADSORBER FILTER MEDIA (VAPOR REMOVAL)			
SERIES	DESCRIPTION	MICRON RATING	PRESSURE DROP (PSID) @ RATED FLOW
V	Activated carbon filter for the elimination of hydrocarbon vapor and odor. When installed after a G Series or C Series grade filter, it lowers the maximum contents of residual oil to 0.005 mg/m3.	0.005	1.7

The Line Filters of Chicago Pneumatic represent the answer to the need of having advanced compressed air able to ensure a greater efficiency and reliability also of the most sophisticated compressed air equipment.

(*) Some application may require a greater air quality (less humidity, oil or residual dust). Our offices are at your service for any need.

Ideal Installation

Dry air without oil	APPLICATION	Dry air without oil and hydrocarbon odours
RECOMMENDED EQUIPMENT CPX refrigeration dryer		
CPX		CPX
		
G Series C Series		G Series C Series V Series
AIR QUALITY CLASS : ISO 8573- 1		
1.4.1		<1.4.1

Technical Data

Model	⇨⇨①		∅	H L W			
	cfm	bar	End Connection	A	B	C	Kg
45	25	16	3/8"	90	21	228	1
90	55	16	1/2"	90	21	228	1.1
125	75	16	1/2"	90	21	228	1.3
180	105	16	3/4"	110	27.5	303	1.9
290	170	16	1"	110	27.5	303	2.1
505	295	16	1 1/2"	140	34	449	4.2
685	405	16	1 1/2"	140	34	532	4.5
935	550	16	1 1/2"	140	34	532	4.6
1295	765	16	2"	179	50	618	6.9
1890	1110	16	3"	210	57	720	11
2430	1430	16	3"	210	57	720	12.6

① Reference conditions : Pressure 7 bar (100 psi) ; Temperature 20 °C
② The ISO class referred to water is not according to the filter feature .
Max. operation temperatures : 65 °C for series G Series -C Series; 35 °C for series CPFA

Correction factor of the flow rate when the working pressure changes

Working Pressure (bar)	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Working Pressure (psi)	29	43	58	72	87	100	116	130	145	159	174	188	200	217	232
Correction Factor	0.38	0.50	0065	0.75	0.88	1.00	1.25	1.38	0.38	1.50	1.63	1.75	1.88	2.00	2.13

The new flow rate value can be obtained by dividing the real air flow rate by the correction factor related to the working pressure.