Chicago Pneumatic

ECOBOX

The CP ECOBOX offers a compressor condensate cleaning solution with excellent performance for compressed air systems up to 60 cfm (30 l/s). It is designed to remove the oil traces from compressor condensate via adsorption. The ECOBOX is able to clean the compressor condensate to oil concentrations below 15 ppm* by using a new, advanced filter medium. It is specifically designed to offer an affordable condensate cleaning solution for piston compressors and small screw compressor installations.

Standard Features:

- ✔ **Environmentally friendly -** all materials are 100% recyclable
- ✔ **Economic -** avoid collection and treatment by a costly external company
- ✔ **Compact footprint -** compact and lightweight design, optimized for small compressor installations
- ✔ **Excellent performance -** thanks to the use of advanced absorption media
- ✔ **Quick and easy installation and replacement -** by means of a wall or plate mounting bracket
- ✔ **Clean water -** after separation, water contains oil levels below 15 ppm*
- ✔ **Easy sampling kit available -** option with easy sampling kit to verify outlet concentration on a regular base

* Please see back page

Chicago Pneumatic

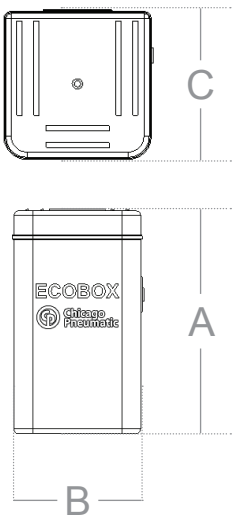
ECOBOX

MODEL	RATED FLOW**				CONNECTIONS				WEIGHT		DIMENSIONS					
					INLET		OUTLET				in			mm		
	cfm	l/s	m^3/h	l/min	in	mm	in	mm	lb	kg	A	B	C	A	B	C
ECOBOX	< 60	< 30	< 54	< 900	1/4	6	3/8	10	2.2	1.0	9.5	5.5	5.5	240	140	140

STANDARD DESIGN			
Capacity	30 cfm (900 l/min)	50 cfm (1500 l/min)	60 cfm (1800 l/min)
Oil Residual	15 ppm	15 ppm	15 ppm
Expected Life Time - Cold climate **	6000†	4000†	3000†
Expected Life Time - Normal climate **	6000†	4000†	-**
Expected Life Time - Hot climate **	4000†	-**	-**
Suitable Compressor	Piston Compressor 2 – 7.5 hp	Screw Compressor 3 – 10 hp	Screw Compressor 15 hp
Electricity Connection	Not Required	Not Required	Not Required
Common Applications	Car service, car washes, warehouse, fuel stations, handyman workshops	Small general industry, medium sized workshops, dry cleaning, large car washes	Truck repairs shops, small general industry

Total Simplicity:

1. Condensate enters the ECOBOX via the inlet connection at the top.
2. During the pre-filtration the oil-water mixture seeps through a polypropylene based filter media, absorbing and capturing the oil but not the water.
3. In a second post filtration stage the remaining oil is adsorbed by an advanced new filter media.
4. Clean condensate exits from the outlet with almost no residual oil content, enabling it to be discarded into the sewage without worries.
5. The Anti-siphon vent prevents the separator from being completely drained once a flow is passing through the outlet connection.
6. Depressurization slits in the ECOBOX top cap allow condensate under pressure to be fed into the separator.
7. Mounting the oil-water separator to the mounting bracket will ensure easy access to the separator as well as a quick replacement.



* 15ppm is generally well below the acceptance level for disposal in the sewage, but due to strongly varying international and local regulations, it is the user's responsibility to consult local waste water discharge regulations and ensure compliance.

** In tropical climates (high ambient temperatures and humidity levels), the air generally contains more water vapor. The extra condensate, generated during the compression and cooling process of the air, shortens the contact time in the device, leaving less time for the media to absorb the oil. Climatic conditions used in the table above are defined as follows:
- Cold climate conditions: average ambient temperature of 68 °F – relative humidity of 50 %
- Normal climate conditions: average ambient temperature of 77 °F – relative humidity of 60 %
- Hot climate conditions: average ambient temperature of 95 °F – relative humidity of 70 %

† The ECOBOX is designed for mineral-based lubricants, which are generally used. It should not be used with synthetic polyglycol (PAG) lubricants due to its increased solubility in water.

10/16 001

For more information, call 877.861.2722.

ORIGINAL PART