



HEART OF  
YOUR EMPIRE



REFRIGERATED  
AIR DRYER



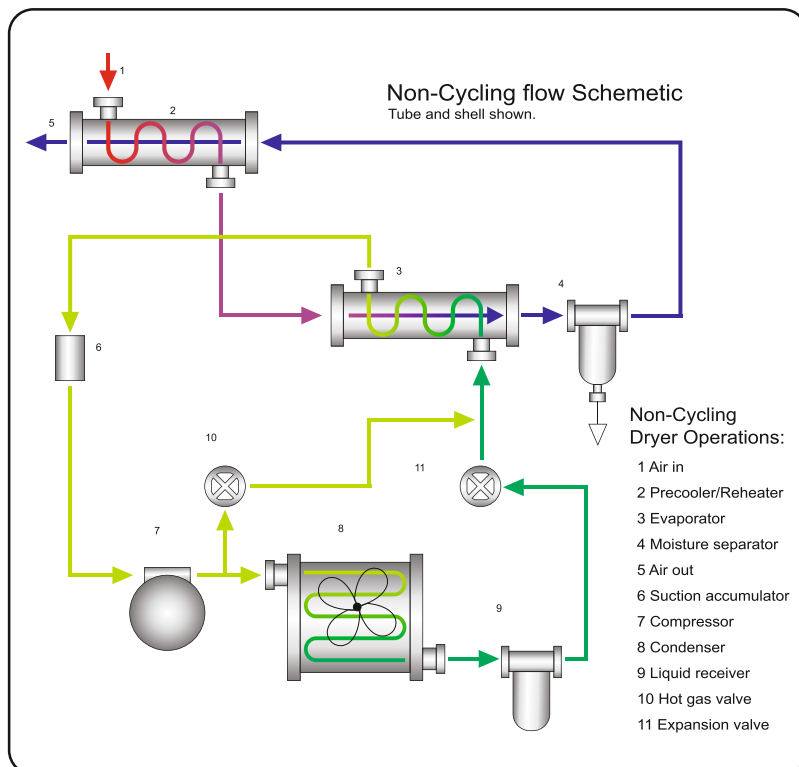
[www.empirecompressor.com](http://www.empirecompressor.com)



## TECHNICAL SPECIFICATION

Base Model	Nominal Capacity CFM	Maximum Pressure Bar	Air Connection In / Out	Connected Load (kw)	Dimension (L x W x H) (inch)		
ECLD-002	20	16	½" BSP(F)	0.21	20	17	25
ECLD-004	40	16	½" BSP(F)	0.36	24	19	28
ECLD-006	60	16	½" BSP(F)	0.45	28	17	27
ECLD-008	80	16	1" BSP(F)	0.60	25	22	35
ECLD-010	100	16	1" BSP(F)	0.67	30	18	29
ECLD-012	125	16	1" BSP(F)	1.00	34	19	33
ECLD-015	150	16	1½" BSP(F)	1.00	34	19	33
ECLD-020	200	16	1½" BSP(F)	1.40	40	22	37
ECLD-025	250	16	2" BSP(F)	1.70	40	22	37
ECLD-030	300	16	2" BSP(F)	1.80	40	22	37
ECLD-040	400	16	2" BSP(F)	2.40	48	26	39
ECLD-050	500	16	3" NB ASME Flg	2.70	48	26	39
ECLD-060	600	16	3" NB ASME Flg	2.80	65	36	48
ECLD-075	750	16	3" NB ASME Flg	3.80	65	36	48
ECLD-100	1000	16	4" NB ASME Flg	5.00	80	47	58
ECLD-125	1250	16	4" NB ASME Flg	5.70	80	70	80
ECLD-150	1500	12.5	5" NB ASME Flg	6.80	82	50	64
ECLD-200	2000	12.5	6" NB ASME Flg	8.70	82	50	64
ECLD-250	2500	12.5	6" NB ASME Flg	11.00	88	80	90

## SCHEMATIC DIAGRAM



## HIGH PRESSURE AIR DRYER

Model	Capacity CFM	Maximum Working Pressure Bar
ECHD-002	20	35
ECHD-004	40	35
ECHD-006	60	35
ECHD-008	80	35
ECHD-010	100	35
ECHD-012	125	35
ECHD-015	150	35
ECHD-020	200	35

## FEATURES

- Eco friendly refrigerant
- Energy efficient heat exchanger
- Consistent dew point 3-4° C
- More reliability
- Ease installation
- Heavy Structure



## Compressed Air Line Filters

### Description

Unfiltered compressed air frequently contains dust, oil, rust, moisture and other harmful substances, and therefore requires filtration. In the first stage of filtration, the compressed air passes through a pre filter and After filter, which creates a coalescence effect. Here bigger particles are absorbed on the filter and the water will condense into larger droplets. In second stage for special application oil removal filter is used to remove oil particles.

### Catagories

#### Pre Filter

Air filtered up to 3 micron. Major Particle's and liquid removed in this filter

#### After Filter

Air Filtered up to 1 micron. Particle's, Oil and liquid removed in this filter

#### Oil Removal Filter

Air Filtered up to 0.01 micron. Oil removed in this filter

### Features

- Empire Compressed Air filters have High quality large filtering media
- Empire Compressed Air filters have Epoxy resin treated housings
- Empire Compressed Air filters are designed for very low pressure drop
- Particle removal : 0.01 to 50  $\mu\text{m}$
- Oil retention : 0.03 to 5  $\text{mg}/\text{m}^3$
- inlet air temperature : 0°C to 80°C
- Also available with Auto drain & element life indicator

### Technical Specification

MODEL		ECI 060	ECI 060	ECI 100	ECI 150	ECI 250	ECI 350	ECI 500	ECI 750
Capacity	CFM	60	60	100	150	250	350	500	750
Variant	-	Q/P/S	Q/P/S	Q/P/S	Q/P/S	Q/P/S	Q/P/S	Q/P/S	Q/P/S
Max. Pre	Bar	12.5	35	12.5	12.5	12.5	12.5	12.5	12.5
Max. Temp	°C	80	80	80	80	80	80	80	80
Connection	inch	G $\frac{3}{4}$ "	G $\frac{3}{4}$ "	G 1"	G 1 $\frac{1}{2}$ "	G 2"	G 2 $\frac{1}{2}$ "	G 3"	G 3"





## SCHEMATIC DIAGRAM



COMPRESSOR

RECEIVER TANK

DRYER

## OTHER PRODUCTS

- Rotary screw air compressor
- Rotary PM + VFD screw air compressor
- Oil free water injected screw air compressor
- Reciprocating air compressor
- Reciprocating high pressure air compressor
- Oil free reciprocating air compressor
- Compressed air line and fittings

### EMPIRE COMPRESSOR PVT. LTD.

📍 Plot no-12 & 13, Panchratna Industrial Estate,  
Nr. Bahuchar Party Plot, B/h. Kathwada GIDC,  
Kathwada Singarva road,  
Kathwada, Ahmedabad 382430 Gujarat

📞 Contact: Mo. +91 9909 968 852 / +91 9909 969 952

✉ E-mail : [enquiry@empirecompressor.com](mailto:enquiry@empirecompressor.com) 🌐 Website : [www.empirecompressor.com](http://www.empirecompressor.com)

