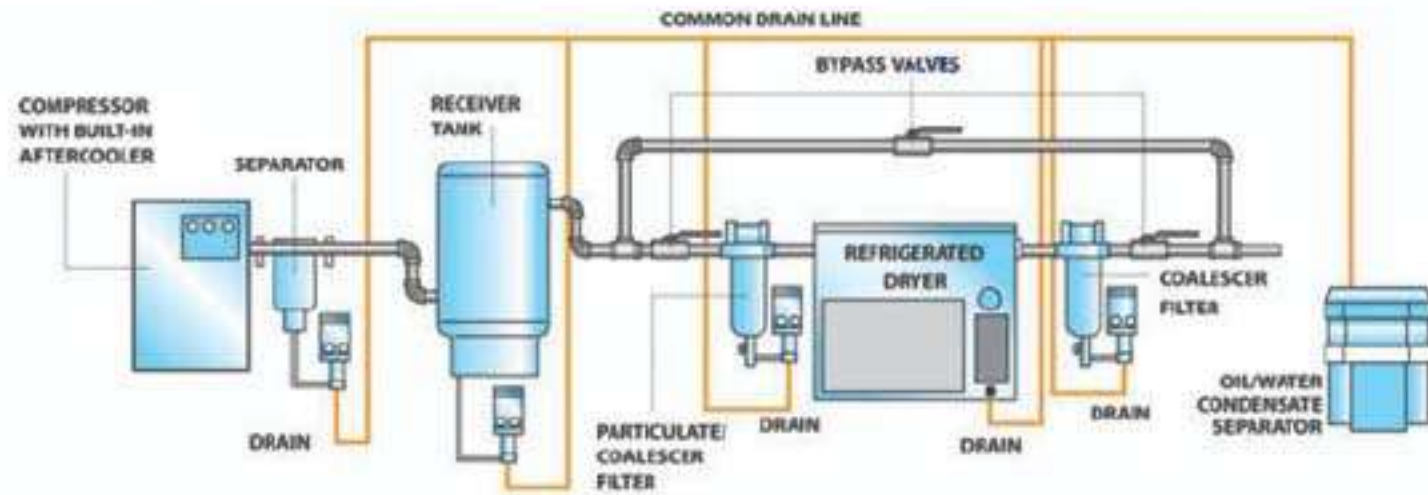


A Significant Value Addition

Accessories

Aircruiser's comprehensive range of air accessories provides you with the clean, dry air you need to extend the life of your equipment and ensure the quality of your end product.



OTHER PRODUCTS



Aircruiser Air Receiver

Capacity: 250-5000 L
Working Pressure: 7-70 kgf/cm²
Code of Construction: ASME Sec. VIII Div. 1 or IS 2825



Aircruiser Refrigerant Dryer

Capacity: 10-1750 cfm
Working Pressure: 16-60 kgf/cm²
Dew Point: +3°C PDP



Aircruiser Particulate Filter

Capacity: 19-200 cfm
Working Pressure: 16-60 kgf/cm²
Filtration Range: 1-0.003 microns



Drain Valves

Timer controlled and zero loss

Capacity: up to 353 cfm
Working Pressure: 16 kgf/cm² max
Media: Condensate

CONTACT US

Aircruiser Industrial Equipments
3/265, Opp. Powerhouse,
Pannimadai Road, K.Vadamadurai
Coimbatore - 641017

Rajesh: +91 90036 05662, +91 82200 08045
aircruiserie19@gmail.com

Branch office :
26, Anna Nagar
Neelikonam palayam, Coimbatore-33



Low Pressure and High Pressure Reciprocating Air Compressor

Reciprocating Air Compressor



Base Mount Reciprocating Air Compressor



High Pressure Reciprocating Air Compressor



Best Quality in Low Investment

For small scale industries and entrepreneurs, Aircruiser's high volume compressors provide the perfect match between low investment and maximum returns.

Long Lasting Technology

Aircruiser high volume compressor is meticulously designed with cutting-edge technology proven around the world. It is simple to operate and easy to maintain. And with an extensive service network and easy availability of spares, this compressor is undoubtedly the wisest choice for unparalleled performance in the long run.

Aircruiser reciprocating compressors are available in stationary, electric powered models. Custom built models for specific applications are also available.

TECHNICAL SPECIFICATIONS

• Robust and rugged design	Designed for continuous performance in extreme climatic conditions
• Deep finned cylinders	Deep finned cylinders
• Air-cooled after-cooler	Efficient cooling to ensure that temperature rises are kept within 10°C above ambient
• Inter stage pressure relief valve	Provides additional safety
• Wire wound copper to copper after cooler	Greater cooling and better heat dissipation
• High quality piston rings	Low oil carry-over and extended life of piston rings
• Efficient valve system	Higher volumetric efficiency
- Disc valve for high volume compressor	
- Finger valve for high pressure compressor	

SL.No.	Model	Motor H.P	No. of Cylinders	AIR DISPLACEMENT Lit/Min	CFM	WORKING PRESSURE Kg/Cm2	PSI	TANK CAPACITY IN LITRES	UNIT rpm
SINGLE STAGE MODELS									
1	AC 10	1.0	ONE	124	4.40	9	100	50/50/100	1250
2	AC 20	2.0	ONE	208	7.30	9	128	160	900
3	AC 30	3.0	TWO	360	12.70	9	128	200	550
4	AC 50	5.0	TWO	620	21.90	9	128	200/270	350
5	AC 75	7.5	TWO	962	34.00	9	100	250	720
6	AC 100	10.0	TWO	1270	44.85	9	100	250	950
7	AC 150	15.0	THREE+	1900	67.10	9	100	500	950
TWO STAGE MODELS									
8	AC 200	2.0	TWO	195	6.90	12	170	200	600
9	AC 300	3.0	TWO	310	10.90	12	170	200	950
10	AC 500	5.0	TWO	480	16.95	12	170	270	720
11	AC 600	7.5	TWO	635	22.40	12	170	270	950
12	AC 1000	10.0	THREE	962	34.00	12	170	500	720
13	AC 1500	15.0	THREE	1436	50.70	12	170	500	1075
HIGH PRESSURE MODELS									
14	AC 300H	5.0	TWO	310	10.95	30	426	200+	950
15	AC 500H	7.5	TWO	480	16.95	30	426	200+	720
16	AC 600H	10.0	TWO	635	22.40	30	426	270+	950
17	AC 1000H	15.0	THREE	962	34.00	30	426	BASE MOUNTED	720
18	AC 1500H	20.0	THREE	1270	44.85	30	426	BASE MOUNTED	950

How moisture was separated from compressed air?



- DILIGENT BRINGS SUCCESS

Micro-filters



Our Micro filters clean the various contaminants at regular intervals of time. These contaminants could be dirt, oil and water that come unfiltered through compressed air. The oil and water mostly exist in liquid or vapour forms. Purified Solution.

Compressed Air Receiver Tank



Our compressed air tank, is an integral part of any compressed air system. The main purpose of this is to act as temporary storage to accommodate the peaks of demand from your system and to optimize the running efficiency of your plant.

Air-Cooled Chillers



Our Air-cooled chillers, making it possible to remove heat from indoor spaces or from industrial processes. Once the refrigerant in a chiller absorbs the heat from a building or process it becomes a gas, but it is incapable of releasing the heat right away in this form. Compressor raises the pressure & temperature of the gasified refrigerant, the heat can be expelled. Chillers release heat directly outdoors, while water-cooled chillers release it into a stream of water that is then pumped to a cooling tower.

AIRCRAUISER INDUSTRIAL EQUIPEMENTS

REFRIGERATION AIR DRYERS



ADDRESS:

3/265, OPPOSITE POWER HOUSE, PANNIMADAI ROAD
K.VADAMADURAI

COIMBATORE-641017.

MOBILE: +91 90036 05662 / +91 8489975662

E-MAIL: ARICRUISERIE19@GMAIL.COM

HOW DOES AIR DRYER WORK?

Air dryers are essential to any air compressor system to keep water vapors out of the compressed air expelled by the machine. A refrigerated compressor dryer draws in the hot air from the compressor and cools it down, lowering the dewpoint and ultimately reducing the overall moisture level in the air. Using an air dryer in conjunction with your air compressor prevents the corrosion of its internal mechanisms to prolong your system's lifespan.



TEMPERATURE CONTROLLER

- * Dedicated programmed microcontroller, Integrated with temperature controllers and sensors to indicate the dew point, inlet & condensing temperature with following alarms.
- * On delay time to protect the compressor due to sudden failure.



THERMOSTATIC EXPANSIVE DEVICE

- * Customized selection according to cooling load and operation condition
- * Ensures constant dew point on varying load conditions.
- * Sensible to suction pressure.
- * Sensible to both suction pressure and temperature.
- * Can be customized



HEAT EXCHANGER

- * Out evaporator is a CO-AXIAL heat exchanger.
- * It performs as a pre-cooler and evaporator
- * Our design maximizes exchanger efficiency by using copper tubes in a coiled TUBE-IN-TUBE arrangement.
- * Heat exchangers are fully encapsulated by PUF insulation to prevent the loss of cooling effects.



REFRIGERATOR COMPRESSOR

- * Rugged & Reliable hermetically sealed reciprocating / scroll compressor
- * Suitable for eco-friendly gases
- * Less noise level
- * Low power consumption
- * Better COP



COMPRESSOR AUTO DRAIN VALVE

- * Removes condensate at 100% continuous duty
- * Works with compressors, receivers, dryers, & aftercoolers
- * Also works with filters and drip legs; for 110V/120V 50 to 60 Hz



CORRECTION FACTOR OF AIR DRYERS

INLET TEMPERATURE CORRECTION FACTOR (C1)

Inlet Temp Deg C	30	35	40	45	50	55	60
Correction Factor	1.2	1.15	1.05	1	0.85	0.8	0.7

AMBIENT TEMPERATURE CORRECTION FACTOR (C2)

Inlet Temp Deg C	25	30	35	40	45	50
Correction Factor	1.2	1.15	1	0.91	0.87	0.78

INLET PRESSURE CORRECTION FACTOR (C3)

Pressure	Bar	4	5	6	7	8	9	10.5	11	12	13	14	15
	g PSI	58	73	87	100	116	131	150	174	174	189	200	218
Correction Factor		0.75	0.85	0.93	1	1.06	1.11	1.15	1.2	1.2	1.22	1.23	1.25

DUE POINT CORRECTION FACTOR (C4)

Due Point Temp Deg C	3	5	7	8	10
Correction Factor	1	1.09	1.15	1.18	1.3

PRODUCT LIST

MODEL	CAPACITY		Watt	ELECTRICAL CONNECTION			DIMENSION L x W x H			Conductor	END CONNECTION	Weight
	cfm	M3/h		kw	V	Ph	Hz	mm				
ACD 10	10	25	0.10	230	1	50	550	400	600	AIR	½	35
ACD 20	20	34	0.13	230	1	50	550	400	600	AIR	½	40
ACD 40	40	68	0.21	230	1	50	550	400	600	AIR	½	45
ACD 50	50	85	0.28	230	1	50	550	500	800	AIR	¾	50
ACD 60	60	102	0.32	230	1	50	540	500	800	AIR	1	70
ACD 80	80	136	0.48	230	1	50	540	500	900	AIR	1	75
ACD 100	100	170	0.67	230	1	50	540	500	900	AIR	1	80
ACD 125	125	205	0.76	230	1	50	700	500	950	AIR	1½	80
ACD 150	150	255	0.85	230	1	50	700	750	950	AIR	1½	85
ACD 200	200	340	1.2	230	1	50	700	750	1100	AIR	1½	105
ACD 250	250	425	1.35	230	1	50	900	750	1200	AIR	2	155
ACD 300	300	510	1.7	440	3	50	900	800	1250	AIR	2	155
ACD 400	400	680	2.0	440	3	50	900	850	1450	AIR	2½	185
ACD 500	500	850	2.3	440	3	50	950	850	1450	AIR	2½	255
ACD 600	600	1020	2.75	440	3	50	1100	900	1500	AIR/WATER	2½	255
ACD 750	750	1275	3.3	440	3	50	1100	900	1500	AIR/WATER	3"NBFLg	385
ACD 800	800	1487	3.9	440	3	50	1100	900	1800	AIR/WATER	3"NBFLg	390
ACD 1000	1000	1700	4.5	440	3	50	1100	900	1800	AIR/WATER	3"NBFLg	395
ACD 1500	1500	2550	6.2	440	3	50	1700	1400	1700	AIR/WATER	4"NBFLg	645
ACD 2000	2000	3400	7.8	440	3	50	1700	1400	2100	AIR/WATER	5"NBFLg	830

OUR PRODUCT

Micro-filters



Our Micro filters clean the various contaminants at regular intervals of time. These contaminants could be dirt, oil and water that come unfiltered through compressed air. The oil and water mostly exist in liquid or vapour forms. Purified Solution.

TIMER BASED AUTO DRAIN VALVE



A valve used to drain off material that has separated from a fluid or gas stream, or one used to empty a process line, vessel, or storage tank.

CONNECTION SET



An air compressor generates power in the form of air pressure, and for an air compressor to work efficiently it requires a Pipe line system. This unit is the piping, glue that holds this intricate system together.

ADDRESS:

3/265, OPPOSITE POWER HOUSE, PANNIMADAI ROAD
K.VADAMADURAI
COIMBATORE-641017.
MOBILE: +91 90036 05662 / +91 8489975662
E-MAIL: ARICRUISERIE19@GMAIL.COM



- DILIGENT BRINGS SUCCESS

AIRCRAUISER

COMPRESSED AIR RECEIVER TANK



ABOUT AIR RECEIVER TANK

The AIRCRUSER's Air receiver tank acts as a reservoir of compressed air for peak demands. The receiver tank will help remove water from the system by allowing the air chance to cool. The receiver tank minimizes pulsation in the system caused by a reciprocating compressor or cyclic process downstream.

The Purpose of an Air Receiver Tank

AIRCROUSER air receiver tank provides temporary storage for compressed air. It also helps your air compression system run more efficiently.

The air receiver tank has three main functions in your compressed air system:

- * It stores compressed air that can be used for short, high-demand events.
- * It provides a steady air signal to compressor controls.
- * When used as a "wet tank", it acts as a secondary heat exchanger, increasing the efficiency of your air dryer.

WHY AIRCRUSER TANKS? Epoxy Coated and Galvanized Air Receiver Tanks

AIRCROUSER air receiver tanks have treated interior linings to reduce corrosion and maintain air quality. Epoxies work by creating a moisture-proof barrier between the air and the base metal of the tank.

Galvanized tanks are treated with a protective zinc coating that halts the formation of rust. Zinc protects the base metal by reacting chemically with corrosive agents before they can reach the base.

Both methods provide long-lasting protection for the interior of the tank.

AIRCROUSER USE ONLY HIGH STANDARDS IS2062 STEEL

AIRCROUSER air receiver tanks IS2062 is a product standard of Bureau of Indian Standards. It specifies standards for Hot Rolled Medium and High Tensile Structural Steel.

ENGINEERING STANDARDS

Engineering standards for the thickness of the tank body, welds and joints, connections, and other components of the tank. AIRCROUSER conform's to all of the rules to obtain top grade standars

TECHNICAL SPECIFICATIONS

MODEL	RECEIVER VOLUMES (L)	MAX DESIGN PRESSURE	HEIGHT MM	RADIUS	IN OUT CONNECTION	THICKNESS IN MM	HYDRO TEST BAR
ACR 0.25	250 L	8.0	1540	500	¾ BSP	5/5	13.5
	250 L	11.0	1545	500	¾ BSP	5/5	16.0
	250 L	15.0	1550	500	¾ BSP	5/6	2.1
ACR 0.50	500 L	8.0	1925	600	1 BSP	5/5	13.5
	500 L	11.0	1925	600	1 BSP	5/6	16.0
	500 L	15.0	1930	600	1 BSP	6/8	2.1
ACR 0.75	750 L	8.0	1900	734	1½ BSP	5/6	13.5
	750 L	11.0	1900	734	1½ BSP	6/6	16.0
	750 L	15.0	1900	734	1½ BSP	8/8	2.1
ACR 1.0	1,000 L	8.0	2265	800	1½ BSP	5/6	13.5
	1,000 L	11.0	2265	800	1½ BSP	6/6	16.0
	1,000 L	15.0	2265	800	1½ BSP	8/8	2.1
ACR 2.0	2,000 L	8.0	3165	980	2 BSP	5/6	13.5
	2,000 L	11.0	3165	980	2 BSP	8/8	16.0
	2,000 L	15.0	3165	980	2 BSP	10/10	2.1
ACR 3.0	3,000 L	8.0	4485	1289	4 NB FLG	5/6	13.5
	3,000 L	11.0	4485	1289	4 NB FLG	8/8	16.0
	3,000 L	15.0	4485	1289	4 NB FLG	10/10	21.0
ACR 4.0	4,000 L	8.0	3575	1289	4 NB FLG	8/8	13.5
	4,000 L	11.0	3575	1289	4 NB FLG	10/10	16.0
	4,000 L	15.0	3575	1289	4 NB FLG	8/8	21.0
ACR 5.0	5,000 L	8.0	4340	1289	4 NB FLG	10/10	13.5
	5,000 L	11.0	4340	1289	4 NB FLG	12/12	16.0
	5,000 L	15.0	4340	1289	4 NB FLG	8/8	21.0
ACR 6.0	6,000 L	8.0	5095	1289	6 NB FLG	10/10	13.5
	6,000 L	11.0	5095	1289	6 NB FLG	12/12	16.0
	6,000 L	15.0	5095	1289	6 NB FLG	8/8	21.0
ACR 8.0	8,000 L	8.0	4400	1600	8 NB FLG	10/10	13.5
	8,000 L	11.0	4400	1600	8 NB FLG	12/12	16.0
	8,000 L	15.0	4400	1600	8 NB FLG	12/14	21.0
ACR 10.0	10,000 L	8.0	6510	1464	8 NB FLG	8/10	13.5
	10,000 L	11.0	6510	1464	8 NB FLG	12/12	16.0
	10,000 L	15.0	6510	1464	8 NB FLG	12/14	21.0