INDO-AIR®
Compressors Pvt. Ltd.
UTILITY AIR SOLUTIONS

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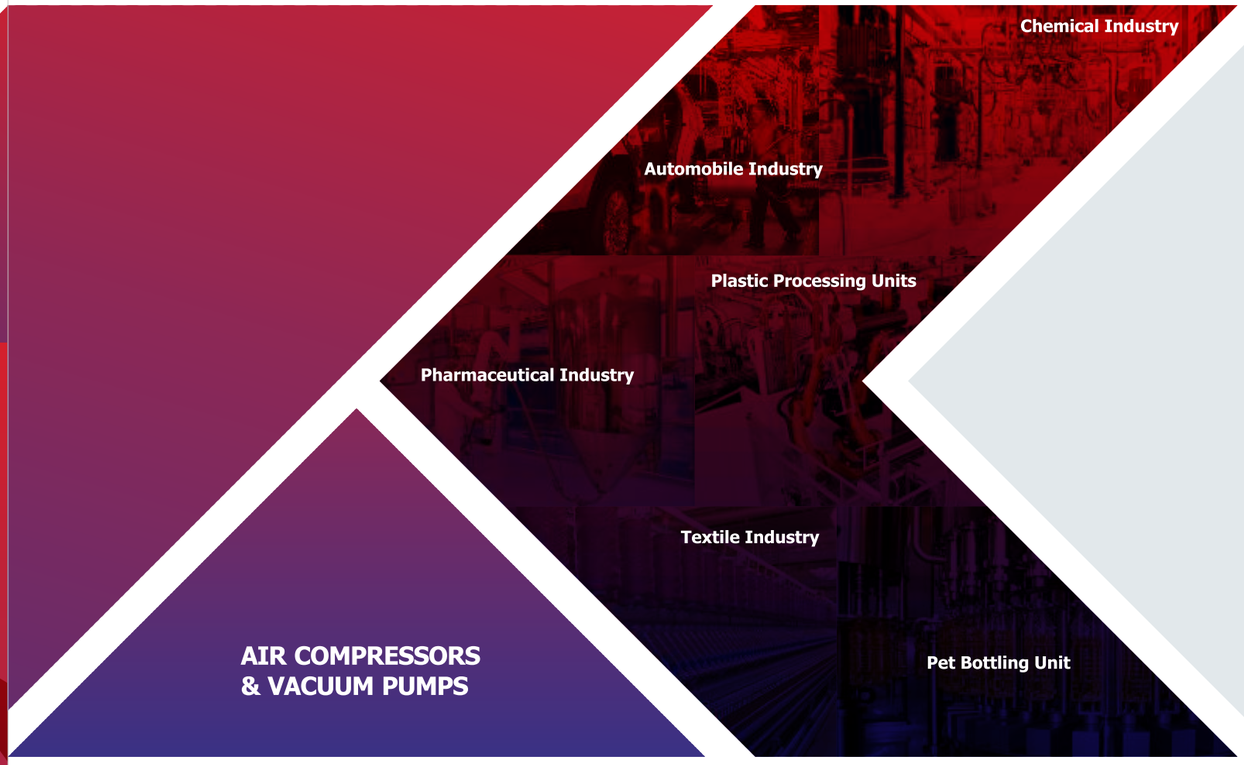
INDO-AIR®
Compressors Pvt. Ltd.
UTILITY AIR SOLUTIONS



AIR COMPRESSORS & VACUUM PUMPS

ENHANCING
THE PERFORMANCE
ENHANCING BUSINESS

ISO 9001
BUREAU VERITAS
Certification

CE

www.indoair.com

"Our Vision "

- Our mission is to ensure customer delight with on-time supply of zero-defect and quality products.
- Innovation and continuous improvement in all areas is our priority. We strive to deliver quality products, while ensuring cost effectiveness.
- Leveraging our core competencies, we aim to better our track record, each day.

Committed to excellence

INDO-AIR® Compressors Pvt. Ltd.
UTILITY AIR SOLUTIONS

Our Milestone

1977	Group Company Established
1985	Compressor Parts Manufacturing
1998	Founded the Compressor Manufacturing brand **INDO-AIR**
2005	Began export to Australia, U.S, Canada, France, Israel, etc.
2008	Established a New Factory Dedicated Solely for Air Compressor Manufacturing
2009	India's First Company to Design & Develop Indegenous, Oil-free, Medium Pressure, Reciprocating Compressor
2010	Introduced Screw Compressor in Low & Medium Range
2012	Developed Oil-free, High Pressure, Large Volume Compressors for Beverages and other Industries
2016	Introduced Medium Pressure, Large Volume, Oil-free Reciprocation Compressor
2017	Shortly Introducing, Screw Compressor in Large Range and Totally Engineered Models, Suitable for all Ambient Conditions
2018	Introduced new vertical Air Compressor Medium pressure in IAM Series

1977 The Journey Began

32+ Countries and Counting

28 Cities Domestic Sales & Service Network

Over the decades, we have strengthened our brand with our core values - integrity, innovation and commitment.

INDO-AIR Compressors Pvt. Ltd., along with its associated group companies was established in 1977. We started as small-scale manufacturers of compressor parts for OEMs (Original Equipment Manufacturer). In 1998, we launched our own brand of compressors and vacuum pumps – **INDO-AIR**. We have products in a wide range, from 1 - 300 HP (Horsepower) which have been in great demand in the domestic and international markets, as they are high in quality and very reliable.

Along the years, **INDO-AIR** has evolved into a trusted, reliable and independent brand known for its quality compressors and vacuum pumps.

Our manufacturing plant covers a total area of 6300 sq.m, and is located at Ahmedabad, in the Gujarat state of India. We manufacture a wide range of industrial air compressors and vacuum pumps. We also test them internally with the latest facilities set up at our plant.

We have a dedicated and committed team of professionals, with rich experience in related fields. We work under the able leadership of Mr. C. M. Panchal, our Managing Director. He is a technology expert and visionary with a vast experience of more than 20 years in the industry.

We, as a company, focus on growing and becoming successful by ensuring customer satisfaction. We have been successful in achieving this by constantly improving our product quality and new product developments. Using modern design and manufacturing techniques has been our strength. We have been, and shall always ensure that our products meet the national and international standards of quality and performance.

Success through Performance.
Performance through focus.

Our Quality Policy

We are committed to provide products and services to our customers that meet the requirement and exceeds their expectations. We ensure this by offering superior quality in terms of design, performance and metallurgy, timely delivery, prompt after sales - service and genuine spare parts.

INDO-AIR®
Compressors Pvt. Ltd.
UTILITY AIR SOLUTIONS

6300 sq.m. Manufacturing Plant

We Reach out to the World

We, as a company, focus on growing and becoming successful by ensuring customer satisfaction.
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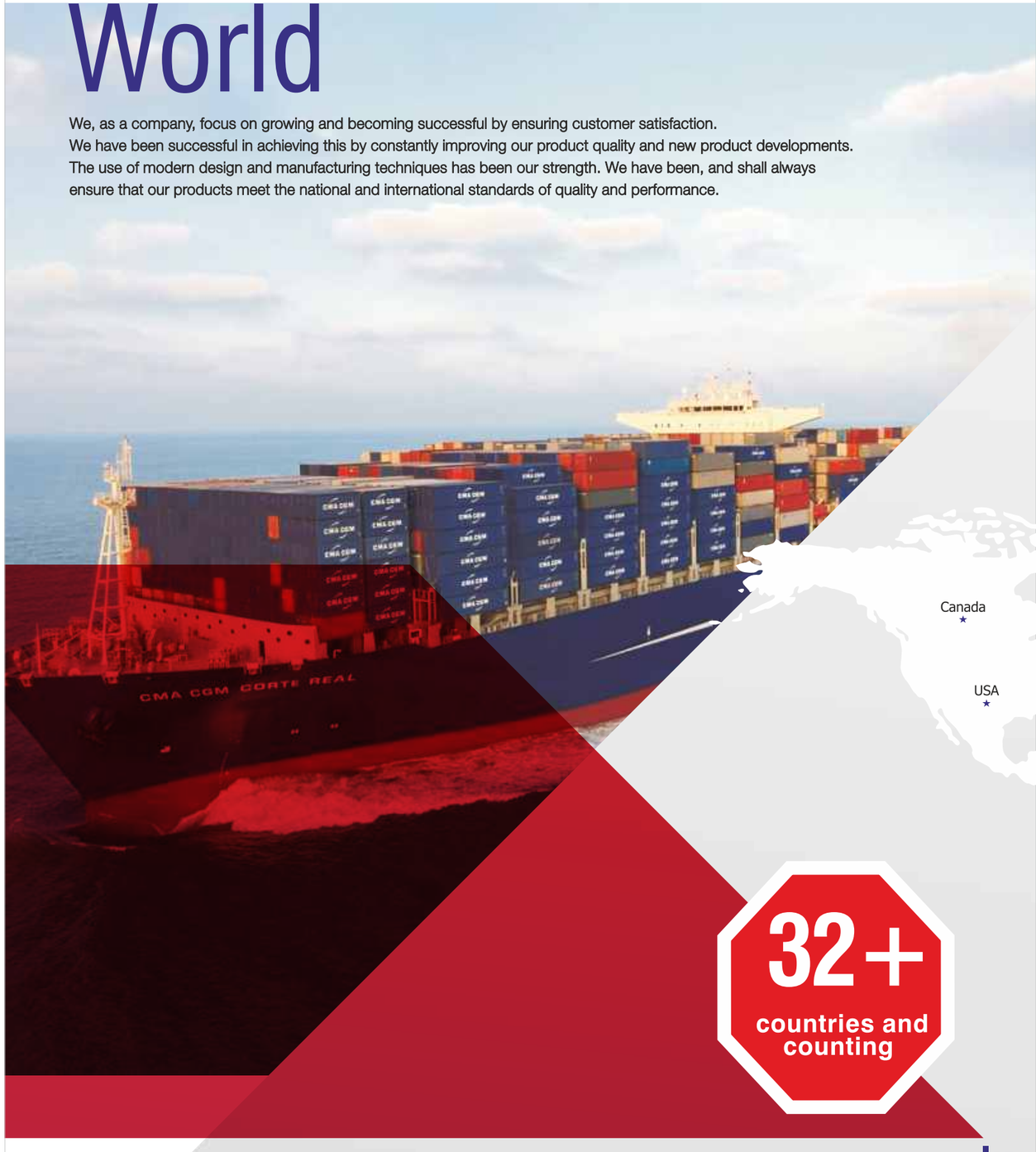


32+
countries and counting

INDO-AIR®
Compressors Pvt. Ltd.
UTILITY AIR SOLUTIONS

Countries

Asia
Afghanistan
Bhutan
Bangladesh
Nepal
Sri Lanka
Singapore
Thailand

Africa
Ethiopia
Ghana
Kenya
Mozambique
Nigeria
Republic of Congo
South Sudan
Somalia
Tanzania
Uganda
Egypt

Europe
France

Middle East
Israel
Lebanon
Oman
Saudi Arabia
UAE
Qatar

North America
Canada
United States Of America

South East Pacific
Australia
Fiji

And all over India

Indo Air Compressors

OUR CLIENTS


Pharmaceutical Industry

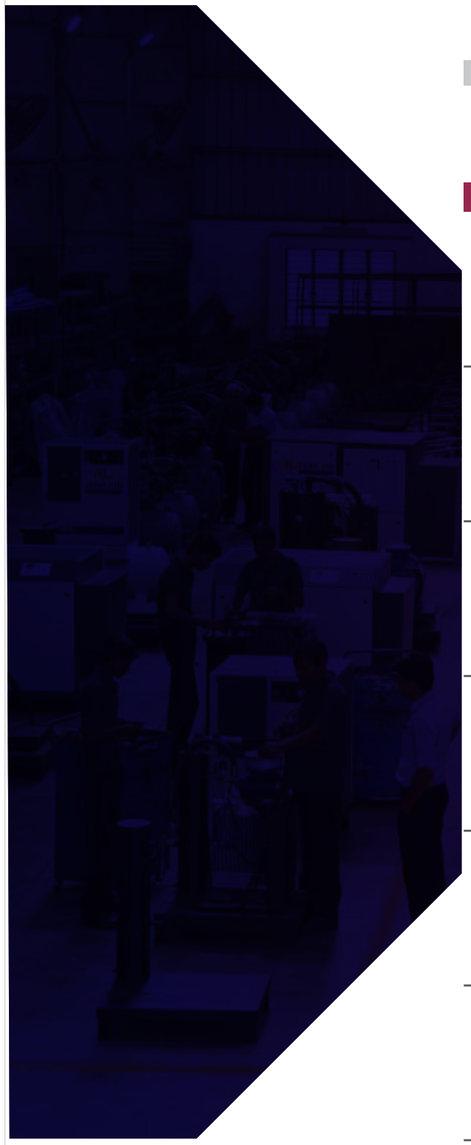

Food Industry


Service Center


Pneumatic Press


Automobile Industry


Chemical Industry



AMMANN Apollo

SHYAM Plastic Machinery

MILACRON

KHS Filling and Packaging – Worldwide

Reliance Industries Limited

TATA MOTORS

Sidel

ASB

LARSEN & TOUBRO

GUJARAT STATE FERTILIZERS & CHEMICALS LTD.

ऑयल इंडिया लिमिटेड Oil India Limited

CLEAR PREMIUM WATER

Bisleri mountain water

WINDSOR Partner in Progress

DAVAT Soft Drinks

JAGMOHAN PLA-MACH PVT. LTD.

ALPHA

GOKUL

DRDO

NAROTO GET SET ROTATE

CEAT

Akums

Institute for Plasma Research

COLUMBIA ASIA

Central Institute of Plastics Engineering & Technology

Manikchand Oxyrich

PEPSICO

Parle Agro refreshing India

IRB INFRASTRUCTURE DEVELOPERS LTD

hmt

About Company
WHY **INDO-AIR?**

INDO-AIR Indo-Air has always believed in technological evolution and our swift adaptability, along with appreciation for modernity has always helped us gain an edge over the rest.

We ensure best-in-industry services:

- Quality products
- Lower costs, as compared in the organized sector
- Complete air solutions
- Easy and ready availability of spares parts
- Cater to all industrial needs
- Quick response and supply of equipments, as per customer requirements
- Service within 48 hrs, anywhere in India
- Preferred vendor/brand by International bulk buyers
- Globally recognized exporter

- **Road Making Machines**

- **Plastic Processing Units**

- **Pet Bottling Unit**

INDO-AIR® Compressors Pvt. Ltd.
UTILITY AIR SOLUTIONS

ROTARY SCREW

7.5 To 300 HP

Lubricated

Main part of Screw Compressor is Air-end, consisting of a pair of rotors. The male motor is driven by electric motor. Suction of air though Inlet filter and suction control valve.

Air – oil mixture from air-end flows into an air – oil separator.

The separated oil flows through oil filter and after cooling in 'cooler', it gets back into the system.

The air also passes through air cooler and to the receiver.

The whole system is controlled through valves / sequence of compressor is done through electric /electronic control.

High Quality Compressors

Compact, High-efficiency, Low-noise:

- Big Rotor, Big Output Capacity, Good Specific Power.
- Stable Air Flow Volume, Less wear Parts than Piston Compressor, High Reliability

Low Investments:

- Mechanical structure is simple, has low running cost and provides a continuos 24 hours operation

High Reliability:

- Less moving parts. Integrated combination parts, Lower failure, high protection grade
- Excellent quality compressed air, outlet compressed air oil content less than 3ppm, suitable for all main industry area

• Pneumatic Press

• Automobile Industry

• Chemical Industry

Rotary Screw Small Range (7.5 To 30 Hp)

MODEL	7 Bar		8 Bar		10 Bar		13 Bar		Motor Power HP	Length mm	Width mm	Height mm	Weight kg	Air Connection
	FAD		FAD		FAD		FAD							
	M^3/MIN	CFM	M^3/MIN	CFM	M^3/MIN	CFM	M^3/MIN	CFM						
IAS 7.5	0.85	30	0.79	28	0.71	25	0.62	22	7.5	870	760	1120	286	3/4”
IAS 10	1.13	40	0.99	35	0.91	32	0.79	28	10	870	760	1120	292	3/4”
IAS 15	1.70	60	1.61	57	1.42	50	1.22	43	15	870	760	1120	351	3/4”
IAS 20	2.38	84	2.29	81	1.98	70	1.81	64	20	870	760	1120	489	3/4”
IAS 25	3.29	116	3.00	106	2.61	92	2.32	82	25	1470	1115	1175	504	1 1/4”
IAS 30	3.77	133	3.51	124	3.29	116	2.89	102	30	1470	1115	1175	517	1 1/4”

• Due to continuous engineering improvements, specifications are subject to change.

Rotary Screw Medium Range (40 To 125 Hp)

MODEL	7 Bar		8 Bar		10 Bar		13 Bar		Motor Power HP	Length mm	Width mm	Height mm	Weight kg	Air Connection
	FAD		FAD		FAD		FAD							
	M^3/MIN	CFM	M^3/MIN	CFM	M^3/MIN	CFM	M^3/MIN	CFM						
IAS 40	5.10	180	4.98	176	4.19	148	3.68	130	40	1470	1115	1175	610	1 ½”
IAS 50	6.46	228	6.29	222	5.81	205	5.30	187	50	1450	1600	1480	650	1 ½”
IAS 60	8.13	287	8.01	283	6.80	240	6.00	212	60	1850	1600	1480	1050	2”
IAS 75	10.39	367	10.00	353	8.50	300	7.59	268	75	1850	1600	1480	1250	2”
IAS 100	13.82	488	13.31	470	11.70	413	10.00	353	100	2340	1740	2000	1760	2 ½”
IAS 125	16.51	583	16.00	565	14.50	512	12.52	442	125	2340	1740	2000	1890	DN 80

• Due to continuous engineering improvements, specifications are subject to change.

Rotary Screw Large Range (150 To 300 Hp)

MODEL	7 Bar		8 Bar		10 Bar		12.5 Bar		Motor Power HP	Length mm	Width mm	Height mm	Weight kg	Air Connection
	FAD		FAD		FAD		FAD							
	M^3/MIN	CFM	M^3/MIN	CFM	M^3/MIN	CFM	M^3/MIN	CFM						
IAS 150	20.25	715	19.97	705	17.42	615	15.58	550	150	2340	1740	2000	2350	DN 80
IAS 180	24.5	865	24.0	847	21.0	741	18.00	635	180	2700	1750	1850	3100	DN 65
IAS 220	29.0	1024	28.3	1000	24.0	848	21.5	759	220	2700	1750	1850	3200	DN 65
IAS 250	32.5	1147	31.6	1116	28.3	999	24.5	865	250	2700	1820	1850	3450	DN 80
IAS 300	40.0	1412	39.3	1388	34.0	1200	28.5	1006	300	3000	2050	2100	4800	DN 100

• Due to continuous engineering improvements, specifications are subject to change.

Fully Automatic Interlocking Control and Operation Management

Intelligent PLC, with the signals of pressure, temperature, current provided with key important indicator of 12 alarms and full security protection measures, multi-language display suited for different countries requirement, maintenance period reminder, RS485 communications interface help realize linkage work for many compressors, concisely and comprehensively to let customer understand the running situation in a timely manner.

Safe Leakage-Proof Connection

Abandoned the traditional hose with low cost whole rigid line and flexible connection, put an end to bursting of ageing of pipeline causing leakage, reduce the oil pressure loss at the same time. Adopt cutting sleeve or fluorine rubber o-rings for sealing which prevent leakage. Also, it helps reduce vibration effectively.

Intake Valve With Saving Energy

Intake valve with high-quality and high reliability effectively control the loading and unloading of machine, saving energy. Sol.valve service life is up to 2 million times more than the structure used to upgrade, no gap can be completely sealed, no need air cylinder pneumatic control, no seal diaphragm etc. wearing parts.

Electric control Components

Reliable electrical control components to ensure the long-term stable operation of units.

General Arrangement Diagram of Compressed Air System

RECIPROCATING

1 To 20 HP Single-stage

Low Pressure

INDO-AIR Single-stage air compressors are designed for low pressure application. These compressors have cylinders of same size (regardless of the number of cylinders). Robust, overhung design crankshaft for reliability & easy maintenance, solid end connecting rods, high thermal efficiency, inter-cooling, reliable splash lubrication and balanced V-type construction for smooth, vibration-free operation.

Single Stage Low Pressure Compressors (2 - 8 Kg/cm²)

MODEL	MOTOR		NO. OF CYL.	RPM	RECEIVER		MAX. PRESSURE		PISTON DISPL		
	HP	KW			CFT.	LTRS.	PSIG	KG/CM²	CFM	M³/M	LTR/MIN
IA 31	1.0	0.75	1	600	2.50	70	125	8.78	4.12	0.117	117
IA 32	2.0	1.50	2	600	3.55	100	125	8.78	8.25	0.234	234
IA 33	3.0	2.20	2	960	5.30	150	125	8.78	13.75	0.389	389
IA 161	1.0	0.75	1	600	2.50	70	125	8.78	4.00	0.110	110
IA 265	2.0	1.50	2	460	5.30	150	80	5.62	10.35	0.293	293
IA 265	3.0	2.20	2	675	5.30	150	80	5.62	15.18	0.430	430
IA 274	5.0	3.70	2	660	7.95	225	80	5.62	26.50	0.750	750
IA 274	7.5	5.50	2	865	7.95	225	80	5.62	34.64	0.980	980
IA 285	7.5	5.50	2	505	8.83	250	80	5.62	40.00	1.130	1130
IA 285	10.0	7.50	2	660	8.83	250	80	5.62	52.50	1.485	1485
IA 37S	10.0	7.50	2	750	10.80	300	60	4.21	68.10	1.928	1928
IA 37S	12.5	9.30	2	900	10.80	300	60	4.21	81.75	2.315	2315
IA 37S2	12.5	9.30	2	800	10.60	300	40	2.81	88.00	2.490	2490
IA 45S	15.0	11.00	3	700	17.66	500	60	4.21	95.40	2.700	2700
IA 45S	20.0	15.00	3	900	17.66	500	60	4.21	122.65	3.470	3470
IA 45S2	20.0	15.00	3	850	17.66	500	40	2.81	140.15	3.969	3969

• Due to continuous engineering improvements, specifications are subject to change.

RECIPROCATING

2 To 30 HP Two-stage
Medium Pressure

INDO-AIR Two-stage air compressors are designed for medium pressure application and are made of heavy-duty components to give optimum performance. These compressors have two different sized cylinder bores.

Robust overhung design crankshaft for reliability and easy maintenance, solid end connecting rods, high thermal efficiency, inter-cooling, totally reliable splash lubrication and balanced V-type construction for smooth, vibration-free operation.

Two Stage Medium Pressure Compressors (7 - 17.5 Kg/cm²)

MODEL	MOTOR		NO. OF CYL.	RPM	RECEIVER		MAX. PRESSURE		PISTON DISPL		
	HP	KW			CFT.	LTRS.	PSIG	KG/CM²	CFM	M³/M	LTR/MIN
IA 264	2.0	1.50	2	675	5.30	150	175	12.30	7.60	0.210	210
IA 264	3.0	2.20	2	960	5.30	150	175	12.30	10.80	0.305	305
IA 5340	3.0	2.20	2	1000	5.30	150	175	12.30	11.25	0.318	318
IA 272	5.0	3.70	2	865	7.95	225	175	12.30	17.32	0.490	490
IA 272	7.5	5.50	2	1000	7.95	225	175	12.30	20.00	0.570	570
IA 5475	5.0	3.70	2	950	7.95	225	175	12.30	18.98	0.537	537
IA 5475	7.5	5.50	2	1100	7.95	225	175	12.30	22.00	0.622	622
IA 283	7.5	5.50	2	660	8.83	250	175	12.30	26.23	0.740	740
IA 283	10.0	7.50	2	660	8.83	250	250	17.50	26.23	0.740	740
IA 5545	7.5	5.50	2	750	8.83	250	175	12.30	29.81	0.843	843
IA 5545	10.0	7.50	2	950	8.83	250	175	12.30	37.80	1.070	1070
IA 101T2	10.0	7.50	2	725	10.60	300	175	12.30	40.00	1.130	1130
IA 101T2	12.5	9.30	2	900	10.60	300	175	12.30	49.50	1.400	1400
IA 101T2	12.5	9.30	2	800	10.60	300	250	17.50	44.00	1.245	1245
IA 101T2	15.0	11.00	2	1000	10.60	300	175	12.30	55.00	1.560	1560
IA 45T	15.0	11.00	3	700	17.66	500	175	12.30	63.50	1.800	1800
IA 45T	20.0	15.00	3	900	17.66	500	175	12.30	81.80	2.310	2310
IA 55T2	25.0	18.50	3	800	17.66	500	250	17.50	87.94	2.490	2490
IA 55T2	25.0	18.50	3	900	17.66	500	175	12.30	99.00	2.800	2800
IA 55T2	30.0	22.00	3	1000	17.66	500	175	12.30	110.00	3.100	3100

• Due to continuous engineering improvements, specifications are subject to change.

RECIPROCATING

3 To 30 HP Multi Stage
High Pressure

INDO-AIR Multi-stage, High Pressure Air Compressors are available in two & three stages in two cylinder & three cylinder versions.

Robust, overhung design crankshaft for reliability and easy maintenance, solid end connecting rods, highly thermal efficient inter cooling, totally reliable splash lubrication and balanced V-type construction for smooth vibration-free operation.

Cross head cylinders are used in case of the last stage small diameter piston for better support and to accommodate adequate Con Rod bushing.

Multi Stage High Pressure Compressors (17 - 70.30 Kg/cm²)

MODEL	MOTOR		NO. OF CYL.	RPM	RECEIVER		MAX. PRESSURE		PISTON DISPL		
	HP	KW			CFT.	LTRS.	PSIG	KG/CM²	CFM	M³/M	LTR/MIN
IA 261	3.0	2.20	2	675	5.30	150	500	35.15	7.60	0.210	210
IA 37T2	7.5	5.50	2	530	10.60	300	500	35.15	24.00	0.680	680
IA 37T2	10.0	7.50	2	710	10.60	300	500	35.15	32.25	0.920	920
IA 37T2	12.5	9.30	2	800	10.60	300	500	35.15	36.36	1.030	1030
IA 45T2	15.0	11.00	3	760	17.66	500	500	35.15	41.80	1.180	1180
IA 45T2	15.0	11.00	3	650	17.66	500	1000	70.30	35.75	1.010	1010
IA 45T2	20.0	15.00	3	900	17.66	500	500	35.15	49.50	1.400	1400
IA 45T2	20.0	15.00	3	900	17.66	500	600	42.18	49.50	1.400	1400
IA 45T2	20.0	15.00	3	900	17.66	500	800	56.25	49.50	1.400	1400
IA 45T2	20.0	15.00	3	875	17.66	500	1000	70.30	48.00	1.360	1360
IA 45T2TWIN	20+20	15+15	3+3	900	17.66	500	500	35.15	99.00	2.800	2800
IA 505T2	15.0	11.00	3	600	17.66	500	375	26.36	55.00	1.560	1560
IA 505T2	20.0	15.00	3	750	17.66	500	375	26.36	68.00	1.930	1930
IA505T2	25.0	18.00	3	900	17.66	500	375	26.36	81.80	2.310	2310
IA 505T2WIN	20+20	15+15	3+3	750	17.66	500	375	26.36	136.00	3.860	3860
IA 505TK	20.0	15.00	3	650	17.66	500	425	30.00	68.00	1.926	1926
IA 505TK	25.0	18.00	3	800	17.66	500	425	30.00	85.00	2.407	2407
IA 505TK	30.0	22.00	3	900	17.66	500	425	30.00	99.00	2.804	2804

• Due to continuous engineering improvements, specifications are subject to change.

RECIPROCATING

Oil Free High Pressure Water Cooled 40 To 215 HP

INDO-AIR IAH SERIES COMPRESSORS:

100% Oil Free Air Compressors For Special Applications:

The search for a reliable, 100% oil free quality air has prompted **INDO-AIR** to introduce a totally engineered, tested and high performance range of compressors. To ensure the product quality in the production of PET bottles, containers for home care / cosmetic products, food products, pharmaceutical products, usage in aeronautics, turbine & hydraulic circuit pressurizing & pharmaceutical industries, **INDO-AIR** has developed its new IAH series compressors.

Technical Data*

MODEL	MOTOR		DISCHARGE PRESSURE		DISCHARGE FLOW (FAD)		
	HP	KW	BAR	PSIG	I/SEC	M^3/HR	CFM
IAH 40-40	40	30.00	25-35	350-500	52	187	110
IAH 50-40	50	37.00	35-42	500-600	62	223	132
IAH 60-40	60	45.00	35-42	500-600	75	270	160
IAH 75-40	75	55.00	35-42	500-600	93	333	197
IAH 100-40	100	75.00	35-42	500-600	123	440	260
IAH 120-40	120	90.00	35-42	500-600	145	516	305
IAH 150-40	150	110.00	35-42	500-600	162	582	345
IAH 180-40	180	132.00	35-42	500-600	192	688	405
IAH 215-40	215	160.00	35-42	500-600	243	870	512

• Due to continuous engineering improvements, specifications are subject to change.

- Flow measurement at outlet of compressor net of all losses at
- Ambient temp 25 deg°C
- Suction pressure 1 bar
- Relative humidity 0%
- Cooling water temp 20 deg°C

• Equipment limitations: Altitude 1000 m, Amb Temp 50°C

World Standard Proven Parts

All the important elements and parts of the **INDO-AIR** compressor are of proven quality international standard, manufactured and tested with latest technology.

Controller

Indo-Numeric Control system monitors, regulates, makes error diagnosis and displays warning signals both visual & audible.

- Touch screen MMI, clear & easy to modify parameters.
- User friendly page displays.
- Status warning indication thus ensuring prevention of potential damages to the equipment.
- Service warning signals to indicate oil filter / air filter change & service alarm etc.
- Compressor auto shut down, in case of abnormal parameters to ensure damage prevention.

Piston Ring

Straight cut piston ring

This ring provides a minimal leakage path. It is the most widely used one piece ring in application, where slight, controlled leakage is acceptable

Uncut Rider ring

The uncut (solid) rider rings are designed to have an interference fit in the rider ring groove. They must be used wherever the rider ring passes over the valve ports or into a counter bore on the end of the cylinder.

Intake Filter

Adequately designed filter element to prevent atmospheric dust entering the cylinder and the filter body to smoothen the air pulsations with silencer.

Canopy For Low Noise :

An unique feature of **INDO-AIR** IAH series compressor which is part of the standard supply. A well designed canopy with inner lining of sound insulation ensures low noise level around the compressor.

A Unique Feature :

- **These Compressors does not require foundation as they are mounted on AVM (Anti Vibration Mountings)**

Electric Panel :

- Conforms to international standards of electrical components and wiring.
- Star-delta starter with thermal protection to reduce in-rust current to the motor during start up and smooth running of motor.
- All electrical control through MMI operation.
- A Large mushroom Emergency button for quick stoppage of compressor in an easy accessible location at operator level.

RECIPROCATING

Oil Free Medium Pressure Water Cooled 30 To 215 HP

INDO-AIR IAM SERIES COMPRESSORS:

100% OIL FREE AIR COMPRESSORS FOR SPECIAL APPLICATIONS:

The search for a reliable, 100% oil free quality air has prompted **INDO-AIR** to introduce a totally engineered, tested and high performance range of compressors. To ensure the product quality in the production of PET bottles, containers for home care / cosmetic products, food products, pharmaceutical products, usage in aeronautics, turbine & hydraulic circuit pressurizing & pharmaceutical industries, **INDO-AIR** has developed its new IAM series compressors.

World Standard Proven Parts

All the important elements and parts of the **INDO-AIR** compressor are of proven quality international standard, manufactured and tested with latest technology.

STD

The standard control for IAM Compressor is analog type.

Panel shows pressure, temperature, running hours etc.

The compressor is fitted with pressure switches that sense the load and unload pressure as required. The compressor will stop when the pressure reaches a set value and start when the pressure falls below a set value.

In this control system there is no provision for diagnostic midication regarding fault analysis.

Indo Numeric Controller

As optional controller Indo Air provides at an extra cost *Indo-Numeric* controller, full micro process controller.

Indo-Numeric Control system monitors, regulates, makes error diagnosis and displays warning signals both visual & audible.

- Touch screen MMI, clear & easy to modify parameters.
- User- friendly page displays.
- Status warning indication, thus ensuring prevention of potential damages to the equipment.
- Service warning signals to indicate oil filter / air filter change & Service Alarm etc.
- Compressor auto-shut down in case of abnormal parameters to ensure damage prevention.

Valve

- Valves designed to optimize flow area to minimize pressure loss, thus resulting in to less power consumption.
- Valve material is carefully chosen for longer life time and performance.
- Material with minimum wear property is used for the valve seats & valve plates.

Specification for Medium Pressure Range (Horizontal)

MODEL	Motor		MAX PRESSURE		FAD		MAX PRESSURE		FAD	
	HP	KW	PSIG	KG/CM^2	CFM	M^3/M	PSIG	KG/CM^2	CFM	M^3/M
IAM 30	30	22	100	7	160	4.53	142	10	124	3.51
IAM 40	40	30	100	7	226	6.40	142	10	190	5.38
IAM 50	50	37	100	7	275	7.79	142	10	214	6.06
IAM 60	60	45	100	7	335	9.49	142	10	285	8.07
IAM 75	75	55	100	7	414	11.73	142	10	326	9.24
IAM 100	100	75	100	7	523	14.82	142	10	473	13.40
IAM 120	120	90	100	7	647	18.33	142	10	578	16.38
IAM 150	150	110	100	7	818	23.18	142	10	684	19.38
IAM 180	180	132	100	7	924	26.19	142	10	821	23.27
IAM 215	215	160	100	7	1184	33.56	142	10	960	27.21

• Due to continuous engineering improvements, specifications are subject to change.

Specification for Low Pressure Range (Horizontal)

MODEL	Motor		MAX PRESSURE		FAD		MAX PRESSURE		FAD	
	HP	KW	PSIG	KG/CM^2	CFM	M^3/M	PSIG	KG/CM^2	CFM	M^3/M
IAL 50	50	37	35	2.5	422	11.96	57	4	335	9.49
IAL 75	75	55	35	2.5	628	17.80	57	4	491	13.92
IAL 100	100	75	35	2.5	778	22.05	57	4	664	18.82
IAL 120	120	90	35	2.5	1067	30.24	57	4	772	21.88
IAL 150	150	110	35	2.5	1312	37.19	57	4	1020	28.91
IAL 180	180	132	35	2.5	1648	46.71	57	4	1274	36.11
IAL 215	215	160	35	3.0	1613	45.72	57	4	1432	40.59

• Due to continuous engineering improvements, specifications are subject to change.

Specification for Medium Pressure Range (Vertical)

MODEL	Motor		MAX PRESSURE		FAD		MAX PRESSURE		FAD	
	HP	KW	PSIG	KG/CM^2	CFM	M^3/M	PSIG	KG/CM^2	CFM	M^3/M
IAM 15V	15	11	100	7	62	1.75	142	10	44	1.24
IAM 20V	20	15	100	7	88	2.49	142	10	72	2.04
IAM 25V	25	18.5	100	7	102	2.89	142	10	87	2.46
IAM 25V1	25	18.5	100	7	116	3.28	142	10	97	2.74
IAM 30V	30	22	100	7	138	3.91	142	10	114	3.23

• Due to continuous engineering improvements, specifications are subject to change.

•Flow measurement at outlet of compressor net of all losses at •Ambient temp 25 deg°C •Suction pressure 1 bar
•Relative humidity 0% • Cooling water temp 20 deg°C • Equipment limitations: Altitude 1000 m, Amb Temp 50°C

RECIPROCATING

0.5 To 15 HP Two Stage

Low Pressure

OIL FREE TECHNOLOGY

The technology and development engineers at oil-free technology **INDO-AIR** did extensive research on the critical components of the compressors to operate in oil free operating conditions.

The result is the new series of reciprocating compressors with **Reliable Oil Free Technology** employing special material to withstand extreme pressure & temperature operations.

PROVEN ROF TECHNOLOGY

Reliable Oil Free (ROF) technology gives 100% oil free air and thousands of hours of continuous running without any seizure.

Oil free compressor piston of special material.

1. Resilient performance across a broad temperature range.
2. Excellent wear and abrasion resistance.
3. Long term mechanical properties and dimensional stability.

Salient Features

Sealed and high temperature resistant pre-lubricated bearings.

- Well designed cooling system of air cooled inter/after coolers.
- Special material piston ring which retains its properties under high temperature working conditions.
- Piston ring's outer surface stays always in contact with the cylinder bore even after thousands of hours of running and corresponding wear. Thus ensuring unchanged pumping-up time.
- Special material piston ensures the retention of cylinder bore finish in adverse temperature condition and expansion of piston.

Oil Free Reciprocating Compressors

MODEL	MOTOR		NO. OF CYL.	RPM	RECEIVER		MAX PRESSURE		PISTON DISPL		
	HP	KW			CFT.	LTRS.	PSIG	KG/CM^2	CFM	M^3/M	LTR/MIN
IA 5 NL	0.5	0.38	1	400	1.25	35	110	7.73	3.35	0.095	95
IA 10 NL	1.0	0.75	1	650	2.50	70	125	8.78	5.45	0.154	154
IA 20 NL	2.0	1.50	1	800	2.50	70	125	8.78	9.00	0.255	255
IA 30 NL	3.0	2.20	2	660	7.95	225	142	10.00	13.20	0.374	374
IA 30 NL	5.0	3.70	2	865	7.95	225	142	10.00	17.32	0.490	490
IA 50 NL	5.0	3.70	2	500	8.83	250	142	10.00	19.90	0.564	564
IA 50 NL	7.5	5.50	2	660	8.83	250	142	10.00	26.23	0.743	743
IA 100 NL	10.0	7.50	2	725	10.60	300	142	10.00	40.00	1.133	1133
IA 100 NL	12.5	9.30	2	800	10.60	300	142	10.00	44.00	1.246	1246
IA 100 NL	15.0	11.00	2	900	10.60	300	142	10.00	49.50	1.402	1402

• Due to continuous engineering improvements, specifications are subject to change.

RECIPROCATING

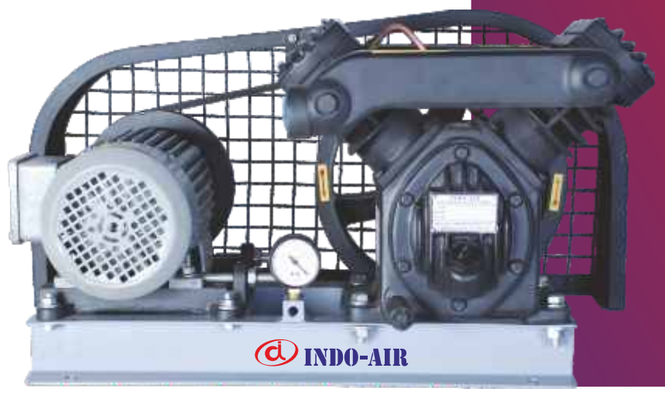
2 To 10 HP Single & Two Stage Vacuum Pumps

Dry Type

INDO-AIR VACUUM PUMP PHILOSOPHY

- **INDO-AIR** Vacuum pump has a universal design with the feature to convert it to a single stage compressor.

  This feature is very useful for large tank leakage test under vacuum or under pressure.
- Dry type vacuum pump-only useful for handling of gases.
- Easy to install requiring, no foundation.
- Higher efficiency compared to other types or other makes of vacuum pumps.
- Low maintenance.
- Noise level under 80 dB, ideal for hospitals.
- While using liquid tanks in chemical plants for vacuum, the provision of scrubber tank is available as an additional equipment to prevent the liquid from entering the pump.
- Simple design makes it easy for any mechanic to dismantle and assemble the pump without any mismatch of the parts.



Single & Two Stage Dry Vacuum Pumps

MODEL	MOTOR		VACUUM INCH	RPM	WGT. Kg.	LEN mm	WDT. mm	HIGHT mm	PISTON DISPL		
	HP	KW							CFM	M^3/M	LTR/MIN
IA V265	2.0	1.50	29.0	960	84	740	406	432	21.60	0.610	610
IA V265T	2.0	1.50	29.6	960	84	740	406	432	10.80	0.300	300
IA V274	2.0	1.50	29.0	866	145	1042	512	512	34.60	0.980	980
IA V274T	2.0	1.50	29.6	866	145	1042	512	512	17.30	0.490	490
IA V285	5.0	3.70	29.0	750	194	1067	585	585	59.65	1.700	1700
IA V285T	5.0	3.70	29.6	750	194	1067	585	585	29.82	0.850	850
IA V37	7.5	5.50	29.0	1000	300	1347	559	740	110.00	3.110	3110
IA V37T	7.5	5.50	29.6	1000	300	1347	559	740	55.00	1.560	1560
IA V45	10.0	7.50	29.0	900	398	1372	813	839	148.50	4.200	4200
IA V45T	10.0	7.50	29.6	900	398	1372	813	839	99.00	2.800	2800

• Due to continuous engineering improvements, specifications are subject to change.

Inhouse Manufacturing & Inspection Facilities

Frame Machining

Frame Machining

Cylinder Machining

Cylinder Machining

Receiver Fabrication

Inspection Facility

- A well established production set up
- Dedicated & technically knowledgeable work force and supervisory engineers.
- Captive vendors meeting our quality needs of material and dimensional accuracy.
- Adequate assembly and testing facilities.
- All critical components inspected for dimensional & Geometrical accuracy.
- Material like casting / forging 100% obtained along with test certificate for material composition.
- Assembly procedure and on line inspection in place for ensuring accurate assembly.

GENUINE REPLACEMENT SPARE PARTS FOR AIR COMPRESSOR

Spare Parts For Reciprocating Air Compressor (Air & Water Cooled)

Gasket Set & Air Filter

Piston Rods, Connecting Rods & Crank Shaft

Piston Ring, Wearing Rings, Rod Packing & Seals

Compressor Piston, Cylinder & Cross Head

Air Compressor Valves

Air Compressor Teflon Parts

Spare Parts For Rotary Screw Air Compressor

Oil Filter

Air Oil Separator

Genuine Spares

Accessories For Air Compressor

FRL

Air Receiver

Moisture Separator

AUXILIARY EQUIPMENTS

Refrigeration Air Dryer Medium Pressure

USER INDUSTRIES

Pneumatic Press,
Road Building Machines,
Ceramic,
Pneumatic Tools,
Ore Processing,
Rubber Factories,
Steel Fabrication,
Automobiles, Foundries,
Textiles, Pharmaceuticals,
Service Stations, etc.

MODEL	CFM	Working pressure Kg/cm²	Conn. BSP	Refrigerant	Power Supply v/ph	Condensor type	Normal Power Consumption kw	Length mm	Width mm	Height mm	Weight kg
IAD 015-16	15	16	1/2”	R 134a	220/1	Air	0.19	400	500	550	32
IAD 025-16	25	16	1/2”	R 134a	220/1	Air	0.19	400	500	550	32
IAD 045-16	45	16	1/2”	R 134a	220/1	Air	0.37	400	500	550	35
IAD 060-16	60	16	3/4”	R 134a	220/1	Air	0.37	550	550	730	60
IAD 080-16	80	16	3/4”	R 134a	220/1	Air	0.60	550	550	730	65
IAD 100-16	100	16	1 1/2”	R 134a	220/1	Air	0.60	700	750	900	78
IAD 150-16	150	16	1 1/2”	R 22	220/1	Air	1.40	700	750	900	90
IAD 200-16	200	16	1 1/2”	R 22	220/1	Air	1.40	700	750	900	92
IAD 250-16	250	16	1 1/2”	R 22	220/1	Air	1.70	700	750	900	155
IAD 300-14	300	14	2”	R134a/R 22	440/3	Air	1.70	900	770	1250	155
IAD 400-14	400	14	2”	R134a/R 22	440/3	Air	2.30	1000	800	1500	164
IAD 500-14	500	14	3”	R134a/R 22	440/3	Air	2.30	1500	1500	1750	250
IAD 600-14	600	14	3”	R134a/R 22	440/3	Air	3.10	1500	1500	1750	250

Refrigeration Air Dryer High Pressure

USER INDUSTRIES

Pet Bottling,
Air Blast Circuit Breakers,
Pharmaceuticals,
Gas Transmission &
Distribution,
Defence Establishments,
Shipyards, Oil Exploration,
Pneumatic Testing,
Engine Starting, etc.

MODEL	CFM	Working pressure Kg/cm²	Conn. BSP	Refrigerant	Power Supply v/ph	Condensor type	Normal Power Consumption kw	Length mm	Width mm	Height mm	Weight kg
IAD 025-40	25	40	1/2”	R 134a	220/1	Air	0.19	400	500	500	40
IAD 045-40	45	40	1/2”	R 134a	220/1	Air	0.19	400	500	500	45
IAD 060-40	60	40	3/4”	R 134a	220/1	Air	0.37	550	550	730	65
IAD 080-40	80	40	3/4”	R 134a	220/1	Air	0.37	550	550	730	70
IAD 100-40	100	40	1 1/2”	R 134a	220/1	Air	0.64	700	750	900	90
IAD 150-40	150	40	1 1/2”	R 22	220/1	Air	0.64	700	750	900	105
IAD 200-40	200	40	1 1/2”	R 22	220/1	Air	1.40	700	750	900	120
IAD 250-40	250	40	1 1/2”	R 22	220/1	Air	1.40	700	750	900	130
IAD 300-40	300	40	1 1/2”	R 22	220/1	Air	1.40	700	750	900	130
IAD 400-40	400	40	1 1/2”	R 22	220/1	Air	1.40	700	750	900	130

Air Filters

MODEL	Element Grade	Drain Type	Pipe Size BSP/NB	Flow Rate (scfm)	Condensor Type	Housing Dimensions (mm)				Weight (kgs)
						A	B	C	D	
IAF 024	P/A/C	IA / EA	1/4”	15	Air	72	193	100	-	1
IAF 100	P/A/C	IA / EA	1/2”	60	Air	96	237	150	-	2
IAF 250	P/A/C	IA / EA	31”	150	Air	117	465	300	-	4
IAF 600	P/A/C	IA / EA	1 1/2”	350	Air	117	530	425	-	4
IAF 851	P/A/C	IA / EA	2”	500	Air	170	722	480	-	11
IAF 1210	P/A/C	IA / EA	2”	710	Air	170	722	550	-	11
IAF 1810	P/A/C	IA / EA	3”	1065	Air	235	760	550	-	20
IAF 2200	P/A/C	IA / EA	4” NB	1200	Air	440	1325	-	800	75
IAF 2600	P/A/C	IA / EA	4” NB	1500	Air	650	1500	-	800	85
IAF 3400	P/A/C	IA / EA	6” NB	2000	Air	650	1500	-	800	85

P :: PRE FILTER, **A** :: AFTER FILTER, **C** :: CARBON FILTER

From construction sites to dental surgeries, air compressors find applicability across industries.
Not only are they useful in their own right for cleaning or inflating, but they are also a
clean, cheap source of power for pneumatic tools and machinery.
The variety of air compressors in the market today, matches the variety of their applications.
There are compressors to suit your specific requirements.

Standard Scope of Supply for Complete Packages

- Bare compressor
- Air Suction Filter
- Air Receiver
- Receiver Fittings like: Safety Valve, Pressure Gauge, Service Valve, Drain Valve, Pressure Switch / Auxiliary Valve
- ASSC / CSC Regulation
- V-Belts & Belt guard
- Motor Pulley & Motor Slide Rail
- Motor & Starter

Optional Accessories

- Receiver–Vertical or loose supply
- Drive : Motor or Engine
- Pre, After and Carbon Filter for oil and dust removal purpose
- Air Dryer : For Dry & Moisture Free air – Refrigerated Type and Desiccant Type
- Condensate Drain Trap and Automatic Type
- Control Panel – for centralized control & display of parameters
- Compressor also available as : Base Plate Mounted – Portable, Tailor- made package

Innovation for Better Tomorrow .....