

BLOWING MADE  
SIMPLE, SMARTER, BETTER!

.....





**compressors**



## **BE FUTURE READY**

Embrace the technology. Absorb the latest. Master the world class. Experience the freedom of innovation. Enjoy the privilege of choice. Scale the heights of success – That's what represents - **AJ COMPRESSORS LLP.**

**SUSTAINABLE, OIL-FREE, HIGH PERFORMANCE AIR COMPRESSOR WITH EFFICIENT AIR DELIVERY.**

## **SYNONYMOUS WITH QUALITY**

AJ Compressors management has over two decade long experience in Compressor Technology and Compressed Air solutions. The company, with its focus on advanced technology and global competence manufactures compressors with outstanding, consistent performance and world class features.

Seamless integration, flawless processes and matchless quality, these are our three strong pillars. State-of-the-art technology coupled with highest standard material and components results in impeccable products. The company understands global dynamics and delivers superior PET bottle blowing solutions that fit the application perfectly.

In its quest to provide the most reliable solution, We have blended clever, durable design with unsurpassed air quality. Focus on customer care and well knit service network is the strength of the company.

## **VISION**

Our vision is to provide the most reliable and world class air compressor solutions, to be the first preference of industry stalwarts and to bring our customers complete peace of mind with our products and services.

## QUALITY POLICY

**We at AJ Compressors LLP are committed, wherever we operate to -**

- Meeting our customer's requirements on quality and deliver right-first- time, assure performance of our products and services.
- Continually improving the effectiveness of our "Quality Management System".
- Meeting all applicable legal and regulatory requirements.
- Built such a customer who will bring customers for us – we shall achieve this with our customer centric approach by being globally competitive and focused on quality and reliability of our products and services.
- Developing suppliers and contractors to mutually beneficial relationship and to consistently complying with our requirements.
- Periodically reviewing the Quality Policy, so that it remains relevant and communicating it to all concerned.

## AIR PARTICULARS

We produce air compressed to 42 bars, completely devoid of oil and complying with International air quality regulations.



### THE QUALITY OF THE AIR ISO 8573

Free Air Delivery, according to ISO 1217

Quality Management System ISO 9001:2015 \*

Environmental Performance ISO 14001\*

**ARAI performance testing and validation.\***



## OBJECTIVES

AJ COMPRESSORS LLP is introduced to manufacture those Engineering products where market is dominated and controlled by MNC's.

THE GOAL IS NOT ONLY MAKE IN INDIA BUT PROUDLY MADE IN INDIA.



**"TARGET OF SIMPLIFICATION: A NEW COMPRESSOR WHICH IS EASIER TO ASSEMBLE AND MAINTAIN, WHILE AT THE SAME TIME BEING EVEN MORE RELIABLE."**

### Low Energy Consumption



- Friction reduction.
- Optimization of fluid dynamics in cylinder/valves.
- Simplification of pipe routing.

### Extreme Reliability



- Low RPM.
- Heavy duty design.
- Improved cooling efficiency.

### Reduced Vibrations



- Lowering of compressor's center of gravity.
- Optimized vibration damping between ground and unit.
- Dynamically balanced crankshaft.

### Compact Layout



- Two compression lines = L shape design.
- Optimized ergonomic practicality in maintenance and operation.
- Reduced weight, size and volume.
- Spray-painted without solvents.
- Reduced environmental impact.
- Reduced specific energy consumption.

### International Standards

- Air quality in compliance with ISO 8573.

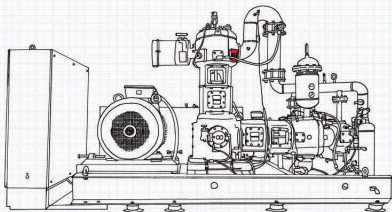
## STAINLESS STEEL PIPING

We use stainless steel piping to prevent oxide formation and the possible entrainment of rust particles towards valves, filters and the blow-molders. The compressed air never comes into contact with carbon steel.

## ENERGY SAVING

When designing electricity consumption has been considered a key factor as we care for environment. The result is increased efficiency with the best kWh/m<sup>3</sup> ratio available in the market today.

**First company to give 2 years comprehensive warranty on all mechanical parts excluding consumables and electrical + electro mechanical parts.**



## INDUSTRY VERTICALS WE SERVE



Softdrinks



Water



Fruit Juice



Wine



Liquid Food



Beer



Pharma



Milk



Aerospace



## compressors

### High Pressure Oil-Free Air Compressor Range ( 42 bar )

MACHINE	MODEL	CAPACITY FAD M3/H	CAPACITY CFM	SPEED	MOTOR POWER KW
AJ 11	AJ 11-N	187	110	450	37
	AJ 11-A	238	140	560	45
	AJ 11-V	289	170	680	55
AJ 20	AJ 20-N	407	240	450	75
	AJ 20-A	492	290	550	90
	AJ 20-V	594	350	665	110
AJ 29*	AJ 29*-N	815	480	365	160
	AJ 29*-A	1001	590	445	200
	AJ 29*-V	1188	700	530	250

- Energy Efficiency – Electrical Motors used with Compressors are all IE 3 energy efficiency
- Top management / owners / Directors directly involved and dealing with customers adding credibility + responsibility.
- Control panel with by default soft starter option (no star delta) to have reduced starting torque hence longer life of compressor + motor and energy savings.
- Intercoolers and Aftercoolers tube sealing done using expansion technique rather than only flaring to provide better adhesion and leak resistance.
- By default remote log-in from PLC control panel system hence ensuring remote trouble shooting for minor errors reducing machine downtime drastically.
- Oscillating ring used at water inlet of water circuit to avoid water isotope to form and avoid scaling giving longer life of heat exchange + improved cooling efficiency.
- Belt guard designed to have maximum heat dissipation hence improving compressor drive life of belts + lesser slippage.
- Provision for blow off from cylinders to avoid moisture and hence increasing piston rings / rider rings life.
- Aftersales cost reduced by almost 50 % on parts value + service intervals + servicing charges.

## SUPPLY PARTNERS

**ABB**

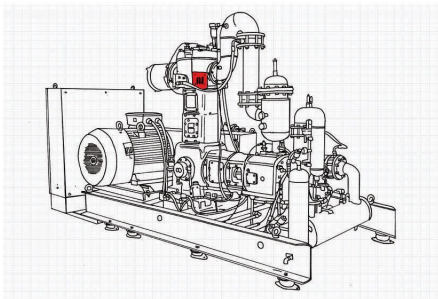


*Danfoss*

**AFRISO**  
EURO-INDEX



**HOERBIGER**



**Frenzelt**

**elepa-SANTER**

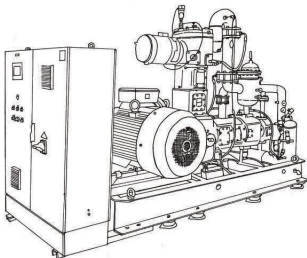
**YANAZ**  
YANAZ ENGINEERS LIMITED

**Switzer**

**JANATICS**  
Pneumatic



**WIKAL**



**compressors**

**LET'S SOLVE AIR**

**AJ COMPRESSORS LLP.**

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