

eco

# D&D ACUA AIR COMPRESSORS



Compressors D&D™  
MEDICAL AIR SYSTEM



**D&D ACUA, Oil-free** screw compressors lubricated with water, Powerful, highly efficient and extremely economical 100% performance. 0% oil. Our objective to combine economy and ecology with technology, protect the environment and the performance of our equipment.

**Up to 35%** energy savings.

The VFD-Drive pressure control avoids unnecessary downtime. This leads to high efficiency to save on energy costs, especially when the air compressor often has to compressors achieve a significant performance, saving up to 35% of energy compared to conventional versions.

Control panel, *Innovative management.*

With an optimal tool for the man, the machine and the detection of faults, through a touch panel, a computer or an intelligent device, ensuring the management, control and monitoring of the operative personnel of the plant and the easy recovery of all the relevant information that the team could generate.

- 🌿 Closed water circuit, with internal separation and water filtering.
- 🌿 High-efficiency motor IP55 ISO H, directly coupled.
- 🌿 Each metal part of the compressor that is in contact with the water is made of aluminum, stainless steel or copper, protecting against corrosion.
- 🌿 All the pipes in the system are made of polyurethane or copper.
- 🌿 Isothermal compression with maximum temperature increase of 10 ° C.
- 🌿 Water pump to get the pressure of 1 bar (atm) to raise the rotors.
- 🌿 The material of the rotors is made of a polymer with axial bearings and adaptable material that can be repaired due to the characteristics of the polymer.
- 🌿 No need of oil in the bearings, reducing the mechanical resistance through the bearings injected by water to lower revolutions.
- 🌿 Does not require any osmosis system, this translates into lower costs, better water quality and compressed air.
- 🌿 Low maintenance costs.

- 1 Maximum efficiency, up to 35% less energy costs and elimination of oil filtration.
- 2 Up to 85% less inspection costs and downtime, through the consequent reduction of parts that requires maintenance. 70% less parts are installed than in conventional compressed air compressors.
- 3 The compressed air is 100% free of germs and oil, lubricated by water directly from the ambient air. Water treatment is not necessary.
- 4 Maximum reliability: Thanks to the 5 year warranty with accident and damage coverage of **D&D ACUA**.
- 5 All relevant components are developed and manufactured in state-of-the-art production machines and carefully tested in accordance with ISO-9001 quality criteria.
- 6 No piece covered with Teflon or any other element that could contaminate the air.

## Application industries.

- Beverage industry.
- Laboratories.
- Packaging.
- Brewing industry.
- Pharmaceutical industry.
- Electronic elements.
- Food.
- Building.
- Textile industry.
- Chemicals
- Paper industry.
- Oil and gas.
- Health care.
- Energy generation.

### Screw Compressors "Oil-Free" D&D ACUA

Model	PoWER Hp/kw	Voltage	Flow (cfm) (m3/h)	Dimensions (L,W,H) Pulg/mm	Weight Lb/Kg
DD15ACU	15/11	220/60/3 440/50/3	63.3/107.7	49.64x32.2x57.91 1261x818x1471	705/320
DD30ACU	30/22	220/60/3 440/50/3	132.8/225.7	44.13x65.78x57.91 1121x1671x1471	1410/640
DD50ACU	50/37	220/60/3 440/50/3	239.4/406.8	45.27x72.04x59.05 1150x1830x1500	3284/1490
DD75ACU	75/55	220/60/3 440/50/3	316/537	56.96x99.21x66.85 1447x2520x1698	5180/2350
DD100ACU	100/75	220/60/3 440/50/3	409/696	56.96x99.21x66.85 1447x2520x1698	5511/2500
DD150ACU	150/110	220/60/3 440/50/3	607.4/1032	56.96x99.21x66.85 1447x2520x1698	6084/2760



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