VENTILATORS

VENTILATORS - ASPIRATORS

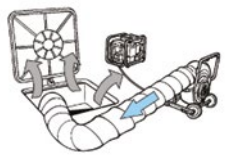
• HYDRAULIC • GASOLINE • ELECTRIC - MOTORS

CENTRIFUGAL VENTILATORS - ASPIRATORS

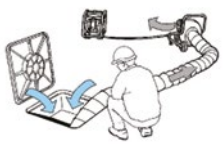
DOA produces a complete range of ventilators/aspirators powerful, effective and easily transportable , their use of ventilation and safety in closed space is mandatory and prescribed by law before, during and after works in environment that can be dangerous , toxic, flammable or explosive like tunnels, basements, manholes, silos, holds, tanks, petrochemical plants, wells, fuel stations, warehouses , mines, laboratories , confined space excavations, sewers ducts, gas distribution networks etc .The exclusive DOA system to fix the hoses on tools allows a quick installation on the mouth by simply “button up” the hose edge on pins only by hands without needing screw drivers or belts/clamp. The volute and air fan can be washed up without problems as are in polyetilene, maintenance necessity is minimal. Very robust thanks to the construction in polyetilene and stainless steel are invulnerable to impacts rust water and from the corrosion of the majority of acids and chemical agents.

NOTES ON SAFETY IN THE USE OF THE ASPIRATORS

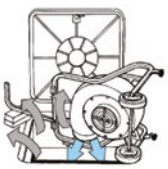
- *For maximum safety, never use tool in aspiration if it is not known the nature of the fumes or if cannot exclude that the fumes to be sucked could be flammable or explosive, in such a case or in doubt tool must only be used as POSITIVE ventilator blowing into the ambient ventilating and making a sort of “air wash” of the ambient*
- *Aspiration and then centrifuging / pressurizing explosive gases makes them even more explosive in the event of a spark ignition.*
- *The hydraulic models, single-phase or electric single-phase, can only suck toxic or poisonous (but not explosive) fumes such as exhaust gas, welding fumes, CO2, powders etc.*
- *It occurred many times that in the attempt to help a victim stunned from gas also the rescuers remain victim from the gas as it was not realized the motive of the accident and the toxicity of the ambient.*
- *Some gas and even the lack of oxygen are odorless so can be fatal without giving suspects or signs of danger.*



Ventilation of manholes and closed ambients



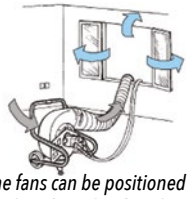
Aspiration in manholes and closed ambients



Direct ventilation without air hose

Suction of welding fumes in indoor works

Aspiration and ventilation in a precise point



The fans can be positioned directly in the closed environment

DOA Hydraulic Tools

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TRIME GROUP

ASPIRATORS

AV 28 H

Hydraulic ventilator/aspiratos

HYDRAULIC

- *High power thanks to the possibility given by hydraulic motors to give a high speed to the fan*
- *Hydraulic motor has no exhaust so can be placed directly in closed ambient*
- *Absence of electricity makes it implicitly safe, insensible to rain and high water presence*
- *Quiet, no vibration, minimal maintenance need*
- *Can be used in more positions or in the normal upward position or inclined on side or back to direct or suck air flow directly from manholes, sewers covers, hatches he volute and the air fan can be washed without problems*
- *Can be powered from hydraulic power packs or from the hydraulic circuit of trucks, mini excavators, etc.*
- *Hydraulic motor is equipped with safety valve to protect against excess of flow of hydraulic flow / fan speed*
- *Stainless steel frame with foldable handle and lifting hook for convenient handling*
- *The air hoses can be mounted on the inlets in just a few moments and without the need for tools thanks to the exclusive quick eyelet system*

Ventilation positive and negative

TECHNICAL CHARACTERISTICS	**AV 28 H -** HYDRAULIC
Weight (kg)	21
Dimension LxPxH (cm)	60x57x74
Mouth diameter	200 mm (8”)
Oil flow L/min	20-40
Oil pressure Bar	100-210
Volute and fan	polyetilene
Air flow	2100 m^2 x h @ 2900 fan speed
Inclination	yes, in 3 positions

Practical centrifugal ventilator/aspirator with hydraulic motor. Powerful and easy transportable its use is mandatory by law for putting in safety conditions an ambient before and during operations in closed environment that could be dangerous or explosive like tunnels, basements, manholes, silos, large tanks, holds, wells, petrochemical plants, gas stations, mines, laboratories, narrow trenches, sewers ducts, gas distribution networks, etc… Extremely light can be inclined and used in more positions, can be used with or without the flexible hose, flexible hoses are needed when the air has to be transported IN or FROM a precise point, without hoses can be used as positive ventilator blower to make a powerful and direct “air wall”. The volute and impeller are in robust polyetilene and polypropylene materials invulnerable to water, rust and corrosion, the frame is in indestructible stainless steel

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