

7

INDUSTRIAL USES of the COANDA EJECTORS (NOZZLE)



INDUSTRIAL SPACES

AUTO

HOSPITALS

MINING

PETROLEUM INDUSTRY

ALUMINIUM INDUSTRY

PAITINIG

AUTOVEHICLES

UAV

AGRICULTURE

NAVY



1 EXHAUST & VENTILATION:

- ✓ **Exhaust of toxic waste air:** paint vapours, alcohol vapours, glues & adhesives vapours, combustion vapours, chemical toxic corrosive vapours, dejection emissions, smoke, auto emissions etc.
- ✓ **Exhaust of the air wasted with small particles:** dust, ash, rubber powder, plastic powder, cement powder, wood powder, paper powder, flour, detergents, washing powder, mines stone powder, carbon powder, medical powder etc
- ✓ **Exhaust of the heating gases:** hot air, combustion gases, hot gases etc

2 PASSIVE NOISE REDUCTION DEVICES:

- ✓ Industrial high pressure escapes used to reduce noise of an air and steam pressure coming out from pressure tanks,
- ✓ High pressure jet in order to reduce the noise level
- ✓ Combustion engine in order to reduce the noise level, but having a good amelioration of the output power of the engine

3 VACUUM CLEANERS & ASPIRATORS:

- ✓ Rising, loading-unloading and storing agricultural seeds
- ✓ Vacuum systems for dust, sand & gravel, leaves and snow from parks and walking roads.

4 BURNERS:

- ✓ The flame of the Coanda nozzle has a superior thermal potential having sky blue colour.

5 SPRAYING DEVICES:

- ✓ Allows to mix small liquid particles inside a volume of a gas in order to have commercial devices for landscapes, roadsides, agriculture and protection of the the public's health worldwide
- ✓ artificial snow and high surfaces painting tools

6 VACUUM PUMPS:

- ✓ Industrial and home vacuum generating and maintaining systems.

7 THRUSTERS:

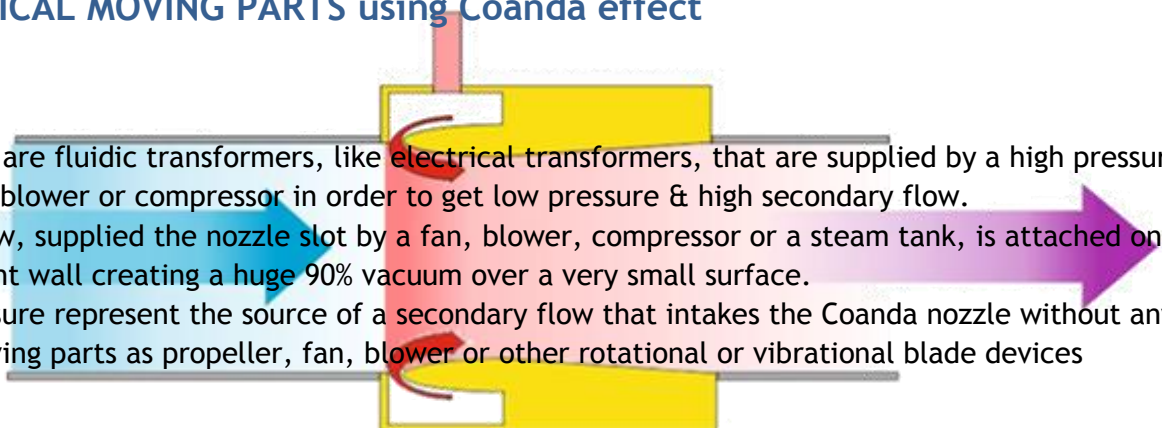
- ✓ AIR: Unmanned aircrafts vehicle and systems for civil works
- ✓ WATER: Underwater thrusters without any mechanical devices.

Coanda nozzles are capable to move huge quantity of air having NO MECHANICAL MOVING PARTS using Coanda effect

Coanda Nozzles are fluidic transformers, like electrical transformers, that are supplied by a high pressure & lower flow fan, blower or compressor in order to get low pressure & high secondary flow.

The primary flow, supplied the nozzle slot by a fan, blower, compressor or a steam tank, is attached on a Coanda divergent wall creating a huge 90% vacuum over a very small surface.

This lower pressure represent the source of a secondary flow that intakes the Coanda nozzle without any mechanical moving parts as propeller, fan, blower or other rotational or vibrational blade devices



PRESSURE SUPPLY	INDUCED FLOW	INCREASED FLOW	DIAMETER	LENGHT
1,01-1,5 bar	0,1-1 m3/h	1,5-5 times	20-50 mm	50-200 mm
1,5-5 bar	1-1000 m3/h	5-15 times	50-500 mm	0,2-5 m
5-100 bar	0,1-100 mil m3/h	15-200 times	0,5-10 m	5-100 m

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CUSTOMER			
COUNTRY			
ADDRESS			
CONTACT PERSON			
PHONE		EMAIL	

SYSTEM TYPE	1 EXHAUSTER flow exhauster	2 SILENCER noise reduction	3 VACUUM CLEANER high suction	4 BURNER blue flame	5 SPRAYING DEVICE small liquid particles	6 VACUUM PUMP vacuum generator	7 THRUSTER thrust generator
to be indicated							

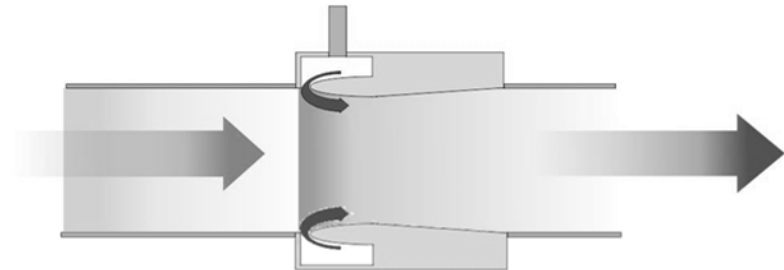
REQUESTING	OUTPUT FLOW	OUTPUT VACUUM	OUTPUT PRESSURE	INPUT POWER	NOISE LEVEL
to be indicated	m ³ /h	Pa	Pa	kW	db



WORKING PLACE	HOT	CORROSIVE	TOXIC	BIOLOGIC	ABRASIVE	other
to be indicated						

NUMBER of PIECES	
to be indicated	PCS

DELIVERY TIME	data
to be indicated	



<p>SHORT DESCRIPTION OF THE WORKING PLACE</p> <ol style="list-style-type: none"> 1. draw 2. place 3. pictures 4. comparations 5. existing devices 6. what for (equipments) 7. other conditions 8. limitations (geometrical etc) 	
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