



Recycle water and heat from dusty industrial airstreams



Reduces net water use

Recycling of water means less net water needed and improved efficiency



Reduces net energy use

Recycling of energy reduces the need for new energy use



Reduces CO₂ emissions

Reduced net energy use means less fossil fuels and CO₂ emissions



Cleans air with zero water loss

A unique wet scrubber that cleans dirty or dusty airflows with zero water loss

DRUPPS VAPOR WATER ●

CASE KEY FIGURES

Airflow temperature <80°C. No energy recovery. Suitable for industries with dusty airflows, with main priority to recycle water.

VAPOR WATER	OUTCOME	VALUE GENERATION
Water Generated	111,000 m ³ /yr	278,000 €/yr
Thermal Power Recycled	0 MWh/yr	0 €/yr
CO ₂ Reduction	0 ton/yr	0 €/yr
Electric Power Consumed	-995 MWh/yr	-109,000 €/yr
TOTAL		169,000 €/yr

Air Flowrate 100,000 m³/h • Dryer Outlet Air Temperature 76°C • Dryer Outlet Air Relative Humidity 70% • Ambient Air 20°C/60% • Operating Time 6,500 h/yr • Water 2,5 €/m³ • Natural Gas 80 €/MWh • CO₂ 80 €/ton • Electricity 0.11 €/kWh

DRUPPS VAPOR ENERGY ●

Airflow temperature <95°C. Suitable for industries with dusty airflows aiming to recycle only energy.

VAPOR ENERGY	OUTCOME	VALUE GENERATION
Water Generated	5,800 m ³ /yr	14,000 €/yr
Thermal Power Recycled	13,800 MWh/yr	1,107,000 €/yr
CO ₂ Reduction	2,561 ton/yr	205,000 €/yr
Electric Power Consumed	-944 MWh/yr	-104,000 €/yr
TOTAL		1,222,000 €/yr

Air Flowrate 100,000 m³/h • Dryer Outlet Air Temperature 100°C • Dryer Outlet Water Content 0.180 kg/kg • Ambient Air 20°C/60% • Operating Time 6,500 h/yr • Water 2,5 €/m³ • Natural Gas 80 €/MWh • CO₂ 80 €/ton • Electricity 0.11 €/kWh

DRUPPS VAPOR MAX ●

Airflow temperature <95°C. Suitable for industries with dusty airflows aiming to maximize water recovery and recycle energy.

VAPOR MAX	OUTCOME	VALUE GENERATION
Water Generated	74,000 m ³ /yr	184,000 €/yr
Thermal Power Recycled	13,800 MWh/yr	1,107,000 €/yr
CO ₂ Reduction	2,561 ton/yr	205,000 €/yr
Electric Power Consumed	-944 MWh/yr	-104,000 €/yr
TOTAL		1,392,000 €/yr

Air Flowrate 100,000 m³/h • Dryer Outlet Air Temperature 100°C • Dryer Outlet Air Water Content 0.180 kg/kg • Ambient Air 20°C/60% • Operating Time 6,500 h/yr • Water 2,5 €/m³ • Natural Gas 80 €/MWh • CO₂ 80 €/ton • Electricity 0.11 €/kWh