

Surprisingly eco-friendly



Ecopure® VAR: residues-free exhaust gas incineration



Technologies · Systems · Solutions

Ecopure® VAR – clean and safe



New purity requirements for industry

Dürr holds a leading position worldwide in the field of environmental engineering. Innovative technologies, practice-related know-how and a wide scope of processes comply with even the highest requirements concerning the efficient, state-of-the-art purification of exhaust gases and disposal of liquid residues.

Products from Environmental & Energy Systems are utilized successfully in many industry sectors including the chemical, pharmaceutical and carbon fibre industries, automotive, surface coating and printing.



Ecopure® VAR – for highest requirements

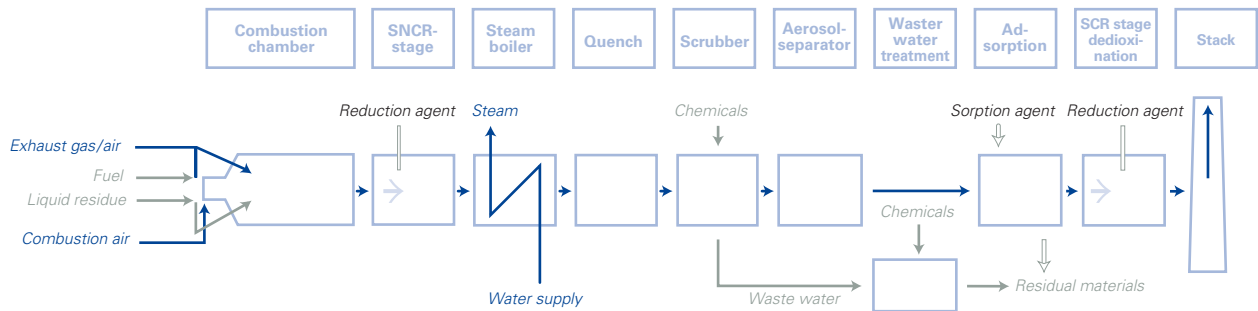
Experience is what counts

Ecopure® VAR systems are used for all applications where highly caloric exhaust gases that are potentially explosive have to be purified, or organic liquid residues have to be disposed of.

Energy can be recovered in the form of steam, water, thermal oil or air by cooling the hot flue gases. Heat boilers of gas/gas heat exchangers are used as flue gas coolers.



Ecopure® VAR – always the right choice



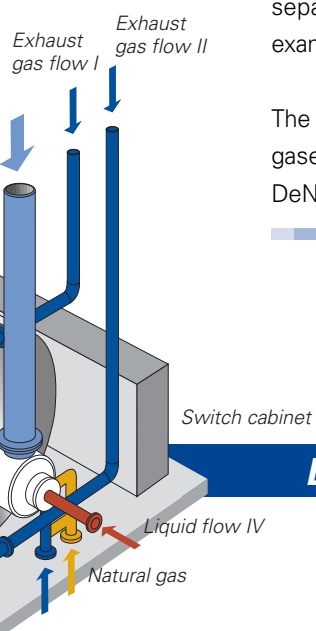
Organic solvents	X		X						
Halogenated compounds	X		X	X	X	X	X	X	X
Nitrogenous compounds	X	X	X						X
Sulphurous compounds	X		X	X	X	X	X		
Heavy metals	X		X	X	X	X	X	X	
Saline liquids	X		X	X	X	X	X		
Particles in liquids	X		X	X	X	X	X		

Efficient and environmentally friendly

We have the solutions

Where halogenated and sulphurous exhaust gases are concerned, an absorptive scrubbing process is used for the purification of the flue gas as a standard. It includes a quench and an absorption column for the separation of HCl, CL₂, HBr, Br₂ and SO_x for example.

The purification of nitrogen-rich exhaust gases requires the integration of an additional DeNO_x stage into the system design.



Ecopure® VAR – our contribution to environmental pollution control

Ecopure® VAR – profit from benefits

- Worldwide leading technology for the safe exhaust gas and air purification
- Experience in many sectors of industry
- Design and realization of complete ready-for-use systems
- Purification and disposal of halogenated, sulphurous hydrocarbons and nitrogen-rich exhaust gases
- Efficient and safe purification of explosive exhaust gases
- Economically and ecologically forward-looking concepts

Environmental & Energy Systems

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Environmental & Energy Systems – high technology in environmental protection

