

VAE CONTROLS GROUP

EVA 5

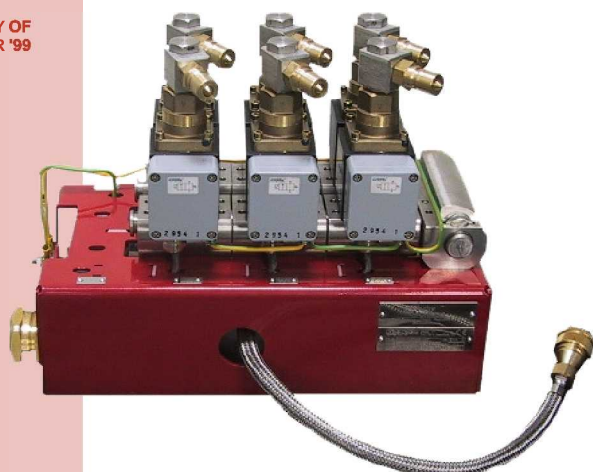
Additive & Color Dosing Equipment

for adding small amounts of liquid additives to liquid

VAE
CONTROLS



COMPANY OF
THE YEAR '99



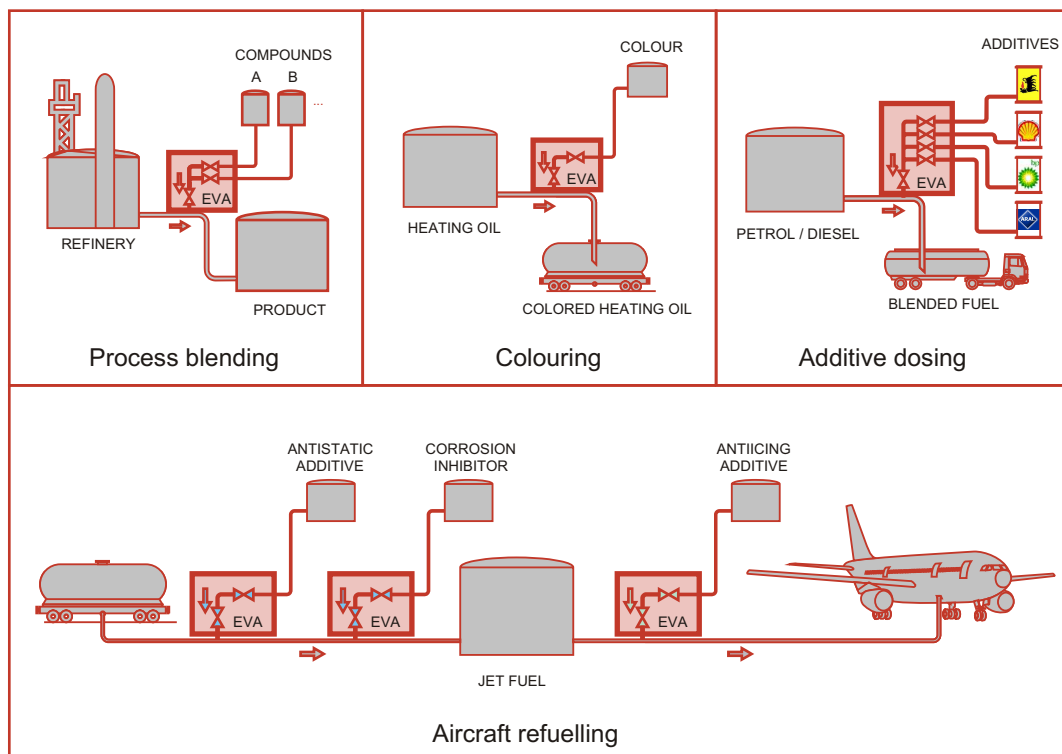
EVA 5 is suitable for dosing of additives or liquid color markers into stream of fuel. The dosing is regulated according to the specific receipt and according to the fuel flow.

Features

- Autonomous operation
- Autodiagnostic and calibration
- Infrared communication port
- Compact unit
- Small internal volume, minimum interadditive mixing
- Washing option available (100% no interadditive mixing)
- Modular design
- High precision even by low receipts
- Continuous flow regulation
- Extremely wide viscosity, flow and temperature range
- Easy installation and service
- Connection through flexible hoses and quick connections
- Container version available

Applications

Light fuels (petrol, diesel, jet fuel or heating oil) are often colored or dosed with additives, which improve their characteristics (engine cleaning, decarbonisation, fuel lubrication, combustion, stabilised features, cold flow, etc.). Additive dosing is also used by multinational oil companies to distinguish one from the others using various fuel additives. Some typical applications are shown on the diagram below.



VAE CONTROLS GROUP

EVA 5

Additive & Color Dosing Equipment

for adding small amounts of liquid additives to liquid

EVA5 consists of technological platform with valves, flow meter, hydraulic connections etc. and of control unit as shown on the snaps. The platform and control unit box are fixed to auxiliary construction next to the loading line. Both parts are suitable for outside installation in explosive hazardous areas.



Hydraulic connections are made with elastic hoses using quick couplers which reduces the installation and service costs and eliminates the transmission of mechanical vibrations and shocks.

>>>

EVA is connected to the loading line and injects the chosen additive according to the given rate. The amount of the additive is dynamically controlled according to the product flow, which is measured with a flow meter or with a scale using pulse output. However, better accuracy and additional functions are reached using flow computers which include specific procedures for additive or color dosing like additive selection, overdue start of dosing, previous end of dosing etc.

The injection of additive through a special injection valve ensures optimum mixing of additive in fuel.

