



DVG AUTOMATION

the excellence in flow control automation

ELECTRO Hydraulic
ACTUATORS

ELECTRO HYDRAULIC ACTUATORS

DVG Automation designs and manufactures instrumentation systems and skid mounted units that provide the motive power to drive hydraulic actuator.

DVG Automation offer Electro Hydraulic Units designed to operate from a single source either one or a number of valve actuators, singularly or contemporaneously, guaranteeing the correct pressure and volume to stroke the actuators.

DVG Automation Electro Hydraulic Units are the right solution for emergency shutdown and fail safe application.

In case of loss of electrical power, the accumulator maintains reserve hydraulic power for a defined number of piston strokes.

DVG Automation Electro Hydraulic Power Units are an alternative to Gas Over Oil Actuator or High Pressure Direct Gas Actuator for applications in environments where exhaust of gas to atmosphere is prohibited. These unit are a total closed loop system and have no exhaust to atmosphere.

The Hydraulic accumulator provides smooth operation even for quick stroking time.



APPLICATION

- Oil & Gas Pipeline
- Offshore Platform
- Gas Plant
- Power Generation
- Compression Station
- LNG terminal

ENERGY SOURCES

- Commercial AC power.
- Solar power.
- Gasoline or Diesel Engine.
- Pneumatic driven hydraulic pumps.
- Any combination of energy sources



GENERAL FEATURES

All Electro Hydraulic Units are designed and built using the highest quality materials and hydraulic components.

Every Electro Hydraulic power unit is custom engineered and manufactured to meet the most stringent requirements and project specifications.

Offshore and corrosive resistant materials of construction.

Electric Power consumption according with project requirement.

Max Operating Pressure up to 350 Barg (35MPag)

Low temperature down to -60°C
High temperature up to +65°C

Nitrogen bottles and accumulator in accordance with ASME VIII div1 or required applicable standard (PED, AS, BS, ..).

Piston or bladder type accumulator.

Electrical classification according to ATEX or comparable UL/FM standards.

Mineral based oil or biodegradable hydraulic fluid.

Relay based control logic or termination to interface with Motor Control Centre customer logic.

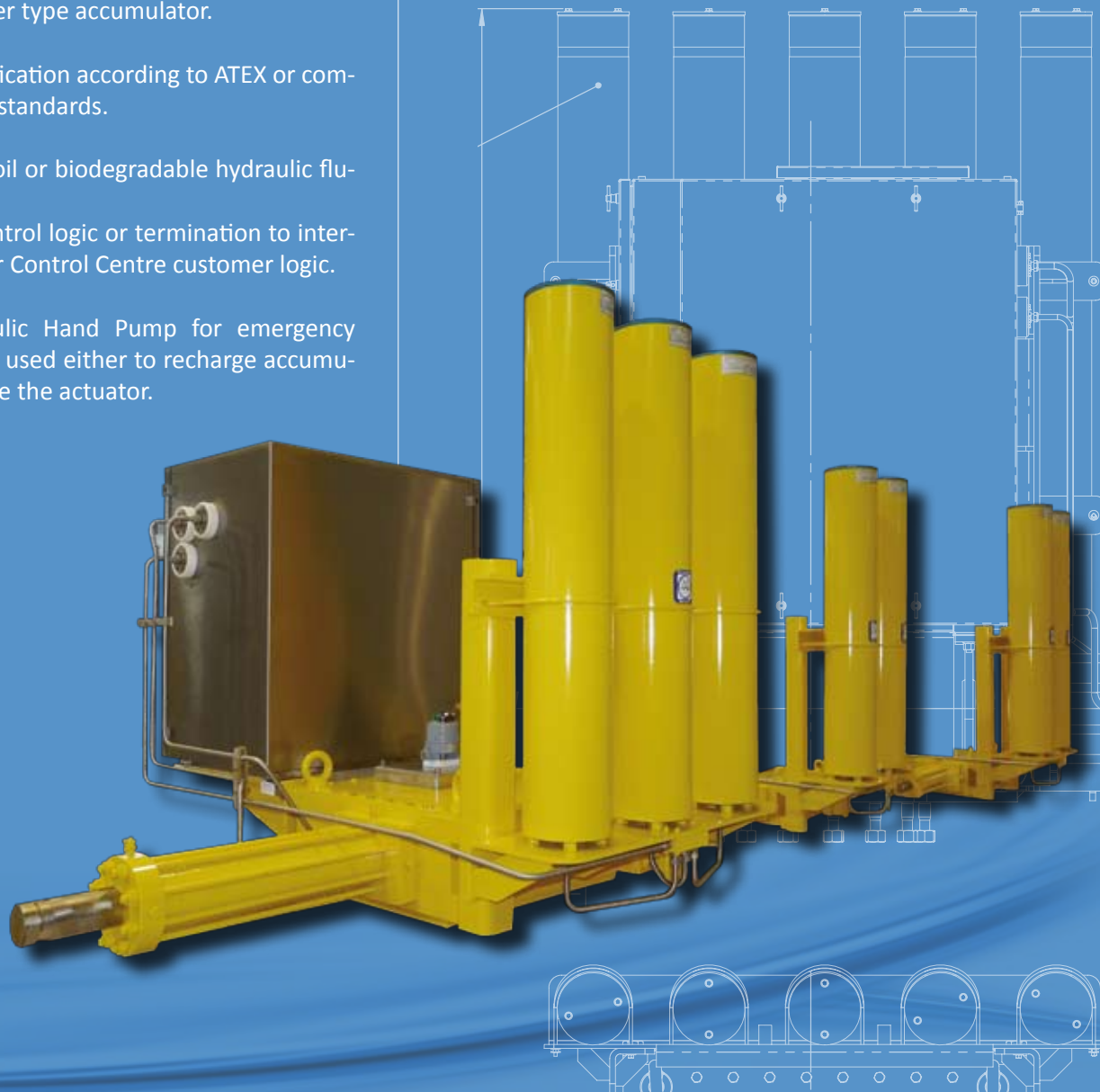
Manual Hydraulic Hand Pump for emergency operation to be used either to recharge accumulator or to stroke the actuator.

STANDARD FEATURE FOR ON OFF SERVICE

- Single or Dual motor and pump power source
- Self standing frame of various materials according to customer requirements.
- Accumulator sized for "N" off piston strokes.
- Stainless Steel oil reservoir with inlet filling filter, dehydrator and relief valve.
- Manual hydraulic hand-pump for emergency operation
- Manifold mounted controls to minimize tubing and potential leakage.
- Heavy duty components for severe service.

OPTIONS

- Low oil level switch.
- Oil temperature monitoring .
- Hydraulic pressure monitoring
- Indication lamps / local electric control



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