



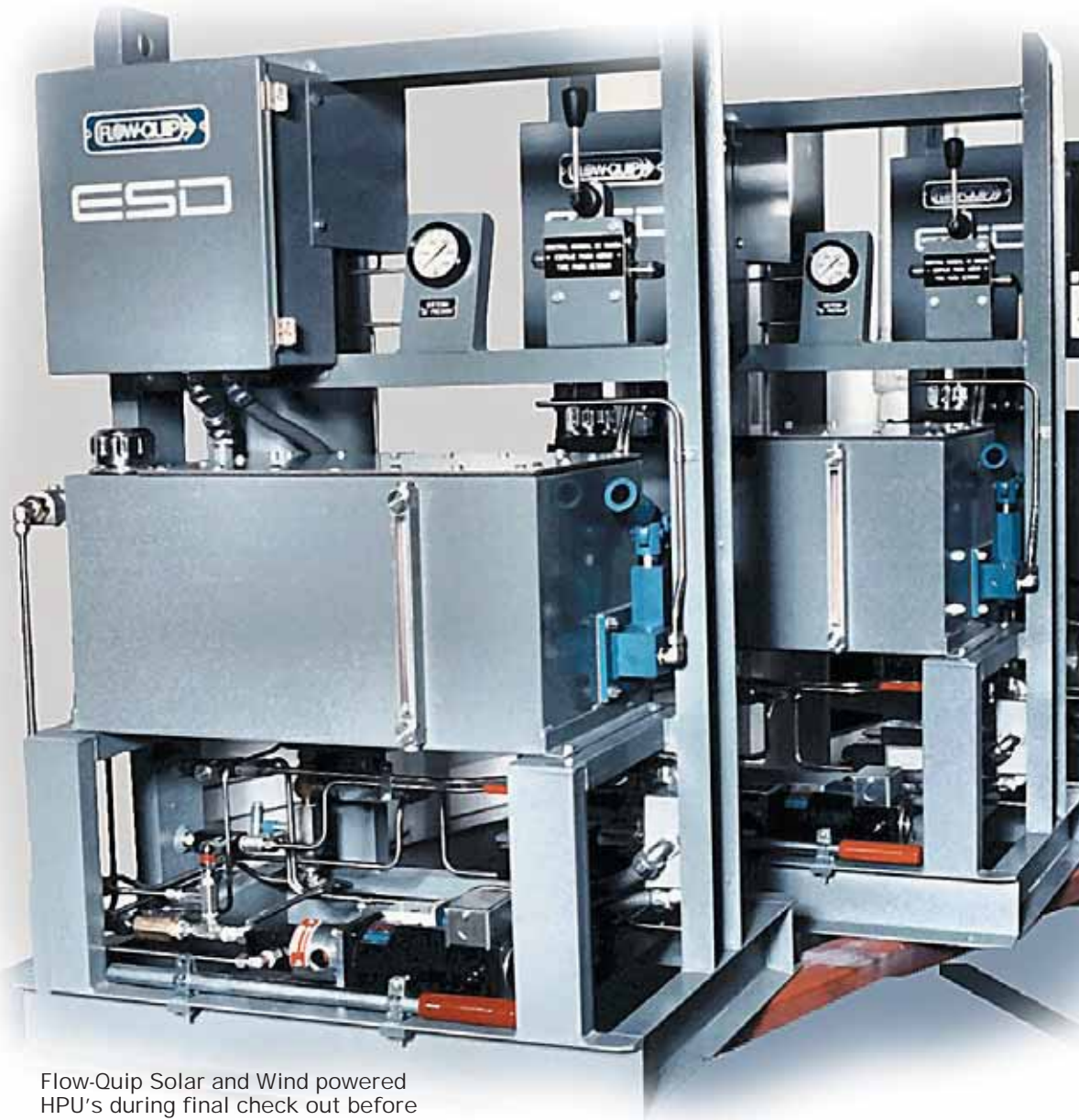


*For over 35 years For over 35 years Flow-Quip has been known as a leader in Fluid Power and Valve Automation. Utilizing only the highest standards for quality control, in compliance with ISO9001:2000 Flow-Quip offers a wide range of Hydraulic Power Units (HPU's) for Plants and Pipelines around the world.*



## *Hydraulic Power Units for Plants and Pipelines*

Utilizing only the highest quality hydraulic components Flow-Quip has been manufacturing Hydraulic Power Units for over 3 decades. Used primarily for valve automation these power units are in service in a wide range of installations from Alaska to Argentina. Many of these power units are in service on natural gas, petroleum liquids, water and mine slurry pipelines and plants.



Flow-Quip Solar and Wind powered HPU's during final check out before delivery to a crude oil pipeline in Argentina.



## Flow-Quip Offers

- One Source Responsibility for Design, Fabrication, Testing, Field Commissioning and Start Up
- Custom Engineering and Fabrication to meet the most stringent requirements
- Complete Documentation and Manuals
- Factory Service and Maintenance Available around the World



Flow-Quip builds HPU's powered by a wide range of energy sources:

- Commercial AC Power
- Pneumatic Pressure from a site supply
- Solar Power generated at site
- Gasoline or Diesel fuel engines
- Natural Gas drawn from the pipeline
- Wind Generators

Each Power Unit is carefully engineered and manufactured to meet the applicable service requirements and project specifications.

Flow-Quip's HPU capabilities include the following:

- HPU's from 5 gallon capacity to 2000 gallon capacity
- Operating pressure up to 3,000 psi (High pressure systems on application)
- Flow rates from 1 gpm to 1,000 gpm
- Electrical classifications Nema 4, 4x, 7 or comparable ATEX standards
- Offshore and corrosive resistant materials of construction
- PLC or relay based control logic
- Petroleum based or biodegradable hydraulic fluids



Flow-Quip HPU's ready for shipment to a pipeline automation project in Mexico.

Flow-Quip offers the following HPU features and options:

- Single or Dual motor and pump power source
- Robust welded channel iron skid mounting
- Multiple stroke Accumulator storage
- Return Line Filter with by-pass valve
- Stainless Steel or Carbon Steel Reservoir
- Desiccant Reservoir Breather
- Manual Override Pump
- Multiple Valve Control from one Power Unit
- Severe Service Construction Trim
- ASME Rated and Labeled Accumulators
- Manifold mounted solenoids and controls to minimize leakage

Alarms from:

- Low level
- Low Hydraulic Pressure
- High Temperature
- Selector Switch in "Local"



A Flow-Quip HPU ready for shipment to an offshore platform in the Gulf of Mexico.

## Other Flow-Quip Valve Automation Products



SR Series – Spring return fail-safe actuators



SE Series – Stored energy fail-safe actuators



manPOWER- Manually energized fail-safe actuators



M Drive – DC Motor Drive Actuators



Solar Series – Actuators powered by the sun



DVC Series – Custom Modulating Valve Packages

- Field Survey and Measurement Services- Retrofit on existing valves
- Valve Adaption Hardware – for all types of valves
- Field Service and Start Up Assistance- available around the world
- Solar power supplies for all products



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ISO 9001:2000