

## ESD Control Panel

### 1. General

**Emergency Shut Down Control Panel** is designed to generate signal to pneumatically control the hydraulic flowhead valve or any other single-action, fail-safe hydraulically activated valve. ESD system controls the hydraulic safety valve on the test tree and on the wellhead wing valve and allows manual or remote closure in response to any equipment failure upstream of the choke manifold such as pipe leaks, equipment malfunction, fire or any emergency that may occur during the operation

ESD system consists of ESD control panel with air-driven hydraulic pump, hydraulic tank, air hoses, and hydraulic hoses, ESD remote stations, High- and low-pressure pilots, and the storage reels for hoses.



### 2. Application

- Well Testing Operation
- In all H<sub>2</sub>S environments
- Sweet gas environments with wellhead pressure greater than 5,000PSI

### 3. Main Parameter

Design Code	API 14C, 14D, 14F, API 550
Discharge Pressure	6,000PSI & 10,000PSI
Air Supply Pressure	120 PSI
Pilot Operating Pressure	40 - 145 PSI
Pump Brand (Air Drive & Hand Level Operated)	Maximator or Equivalent
Reservoir Capacity	8 US Gallons
Assembly Material	Stainless Steel
Dimension	700x550x1700mm (LxWxH)



## 4. INSPECTION, QUALITY CERTIFICATE AND AFTER-SALE SERVICE

### 4.1 Inspection

We adopt factory inspection and on-site inspection. If the product passes on-site inspection, it will enter warranty period. The inspection conforms to the protocol signed by the two parties and product manufacturing standard. Any kind of third party inspection is acceptable.

### 4.2 Quality Certificate

- All the equipment are manufactured according to ISO9001 and API standard
- Warranty period is 18 months after receiving the goods or 12 months after operation. If there are quality problems within warranty period, the supplier is responsible for solving problems in time at any time.
- If failure and potential safety hazard appear during operation because of designing defect, the supplier will improve the equipment for free.
- We will provide complete high quality technical document and brochure of the whole equipment in English.

### 4.3 Documentations

- General Assembly Drawing
- Technical Service Manual

For more information about our **ESD Control Panel**, please feel free to contact us:

[sale@ccscpetro.com](mailto:sale@ccscpetro.com)

Or visit us: [http://www.ccscpetro.com/emergency\\_shut\\_down.html](http://www.ccscpetro.com/emergency_shut_down.html)