

Single Well Control Panel

Fabricated to Exceed MMS Requirements by
a Preferred Supplier – MURPHY

The Single Well Control Panel (WCP) is designed to pneumatically control a Master "Surface Safety Valve" (SSV), a Wing "Surface Safety Valve" (SSV), to hydraulically control a "Surface Controlled Subsurface Safety Valve" (SCSSV) and to generate an emergency shut-down signal (ESD).

The pneumatic logic of the WCP is activated by a set of pressure sensor switches monitoring the flow line pressure or by the emergency shut-down devices (fusible plugs and ESD stations). When flow line pressure sensors are tripped, the Wing SSV shuts-in immediately. A time delay keeps the master SSV open for 10-15 seconds before closing. When ESD's are tripped, the Wing SSV will shut-in immediately. A time delay keeps the master SSV open for 10-15 seconds before closing. A time delay keeps the SCSSV open for 30-90 seconds before closing. Shutdown valves must be manually reset.

- Controls Safety Valves and Generates Emergency Shutdown Control Signal
- In Stock for Quick Delivery
- Designed to Use Either Air or Natural Gas
- Suitable for Offshore Marine Environments

WCP Model



USA-ISO 9001 FM 28221
UK-ISO 9002 FM 29422

For More Information or a Quote, Contact:

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Specifications

Panel Supply: 100 to 150 psig (689 kPa to 1 MPa) [6.89 to 10.3 bar] clean, dry, filtered, instrument quality gas or air.

Enclosure: 25w x 20d x 30h in. (635 x 508 x 762 mm); 12 ga. 316L stainless steel.

Stand: 25w x 20d x 36h in. (635 x 508 x 914 mm) made of 2 x 2 x 1/4 in. (51 x 51 x 6 mm) carbon steel angle iron, hot dip galvanized.

Tubing: 316L stainless steel, welded and drawn.

Tube Fittings: 316 stainless steel Swagelok.^①

Pressure Pilots: Axelson[®] type ESP, panel mounted, 500 to 2000 psig range* (3.44 to 13.7 MPa) [34.4 to 137 bar].

Hydraulic Pump: Haskel[®] MHP Series (with hand pump).

Hydraulic Circuit Working Pressure: 6000 psi (41 MPa) [413 bar].**

Hydraulic Reservoir: 5 gallon (1.892 m³) capacity.

*Optional ranges available upon request.

**10,000 psig (68 MPa) [689.4bar] working pressure available upon request.

^①Swagelok is a registered trademark.

^②AXELSON is a registered trademark.

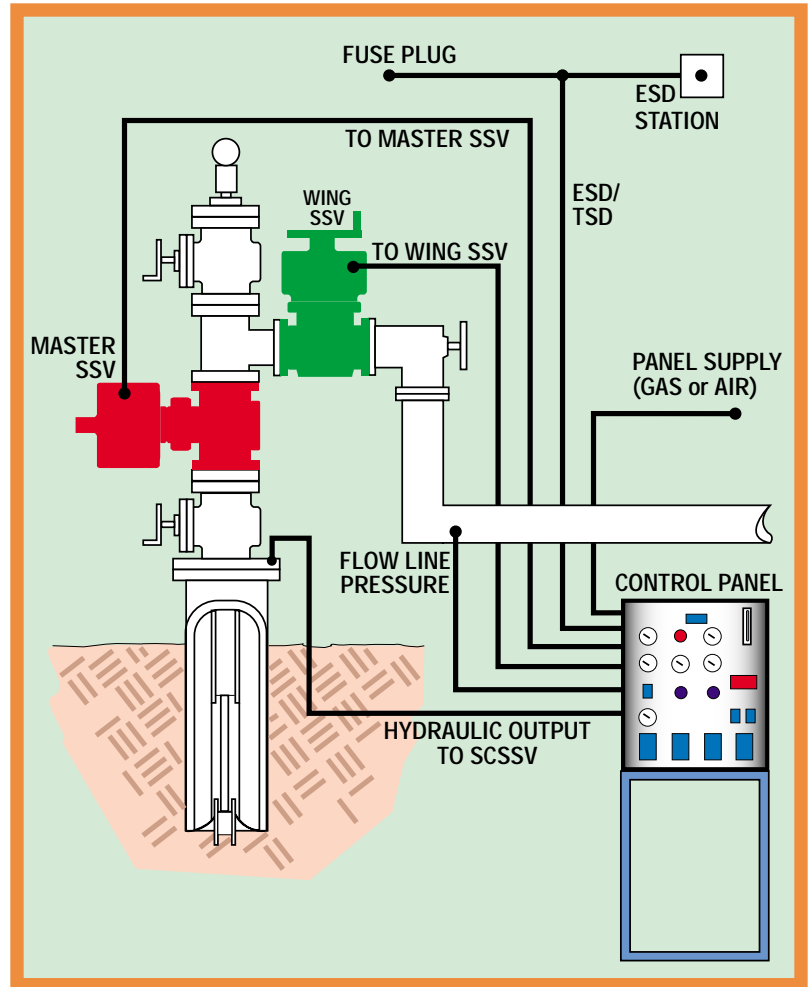
^③Haskel MHP Series is a registered trademark.

Warranty

A two-year limited warranty on materials and workmanship is given with this Murphy product.

Details are available on request and are packed with each unit.

Application Schematic



Find us on the internet: <http://www.fwmurphy.com>

In order to consistently bring you the highest quality, full featured products, we reserve the right to change our specifications and designs at any time.



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