Dash® Large Bore Surface Control Container

LEADING THE INDUSTRY WITH FULL DATA ACQUISITION OF THE SURFACE CONTROLS

OVERVIEW

As a primary component of the Dash® large bore electrohydraulic subsea system, the Dash large bore surface control container interfaces with the Dash downhole unit, providing control and downhole data acquisition, secondly the unit to provide control and downhole data acquisition, along with a full range of measurements on all surface lines.

The core of the Dash large bore surface control container is an integrated 25-station hydraulic power unit that is designed to control all of the direct hydraulic functions of the Halliburton large bore subsea safety system via a purpose-designed hydraulic umbilical containing dual electrical cables. It also provides the hydraulic supply for the Dash downhole accumulator, which supplies power for emergency functions.

Through the dual electrical cables, the Dash large bore surface control container’s electrical interface provides rapid electrical control of the subsea valves. The emergency shutdown (ESD) and emergency quick disconnect (EQD) functions of the subsea safety system can be initiated at the surface container or by one of the remote ESD panels. The ESD/EQD logic is customizable to requirements and is determined during the Halliburton Design of Service process, working with the customer and rig safety specifications.

FEATURES

» Provides local and remote live well data display using the Halliburton InSite® data retrieval service and operating system kernel
» Equipped with two remote HMI displays and three ESD/EQD stations
» Zone 1-rated container
» Each hydraulic line has a dedicated pressure transducer and inline-pulse flow meter
» Back-pressure system, including dedicated hydraulic pump that protects umbilical integrity in deepwater and high-riser pressures
» 300-liter stainless-steel reservoir, which has a return and suction chamber that enables clean and plentiful fluid supply
» Three 20-liter accumulators grouped together to provide a single source of additional fluid power, rated at 10,000 psi
» Nitrogen backup purging system in the event of air supply loss

BENEFITS

» Data acquisition service, including real-time and historical logging, can be applied to any subsea safety system or pass-through functions to monitor functionality
» Dash large bore surface control container can complement any system (electrohydraulic, direct hydraulic, subsea safety tree, or spanner joint systems)
» Individual control of each function increases system versatility
» Two contamination sensors within the recirculation and back-pressure lines
» Filtration system provides clean fluid that is compliant with the AS4059 Class 6 standard
» Backup power supply for the container in the event of a power loss
### Equipment Specifications

<table>
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<tr>
<th>Specification</th>
<th>Details</th>
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<tr>
<td>Dimensions, in. (cm) (l x w x h)</td>
<td>180 x 97 x 110 (457.2 x 246.4 x 279.4)</td>
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<tr>
<td>Number of Hydraulic Output Circuits</td>
<td>25</td>
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<tr>
<td>Hydraulic Pressure Supply</td>
<td>Air-driven, 15,000-psi-rated DHDA118 backed up by 100-3-SS2 hand-driven pump</td>
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<td>Accumulators</td>
<td>Nitrogen pre-charged, 60 gallons of accumulation, 10,000 psi</td>
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<td>Filtration</td>
<td>NAS 6 Class 1 micron-sock filter</td>
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<tr>
<td>Gas Booster Pump psi (bar)</td>
<td>9,000 (620.5)</td>
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<tr>
<td>External Handling</td>
<td>Overhead four-point lift and fork lift pockets</td>
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<tr>
<td>Input Air Requirement</td>
<td>100 to 150 psi @ 200 to 420 SCFM</td>
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<td>Power System Requirement</td>
<td>100 to 240 VAC 45-65Hz single phase (unless using 102289155, then 180-265VAC 45-65Hz is acceptable)</td>
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**Notes:**

- Refer to the equipment databook for individual equipment specifications.
- These ratings are guidelines only.

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For more information, contact your local Halliburton representative or visit us on the web at www.halliburton.com

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