Wellhead Control
Preferred Range

Incorporating:-
Low Pressure Logic
Electro-Hydraulic
HPU
Field Items
Low Pressure Logic
Wellhead Control

Opening sequence to protect down hole valves

High Pressure Hydraulics
Low Pressure Pneumatic / Hydraulic

Hydraulic supply typically 345 bar
Remote ESD -10 bar air or oil
From local ESD + fusible loop - 10 bar air or oil
Wing Valve

Master Valve or SSV

Hydraulic supply typically 690 bar

Check List

<table>
<thead>
<tr>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
</tr>
</thead>
<tbody>
<tr>
<td>Interface Valves</td>
<td>Flow Controls</td>
<td>Thermal Relief</td>
<td>Check Valves</td>
<td>Flow Control</td>
<td>Solenoid</td>
<td>Junior Range</td>
</tr>
</tbody>
</table>

NOTE: Valve model numbers shown above are for illustration purposes. For complete list of preferred range products please refer to Preferred Product booklet.
Electro Hydraulic Wellhead Control

Hydraulic supply typically 150 - 200 bar

Hydraulic supply typically 345 to 690 bar

Check List

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<tbody>
<tr>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td>Check Valves</td>
<td>Thermal Relief</td>
<td>Solenoid Valves</td>
<td>Flow Controls</td>
<td>Combined Check / Relief</td>
</tr>
</tbody>
</table>

This representation shows both separate relief valves and check valves (1 & 2) and also the combined relief / check valve (5).

Valve model numbers shown above are for illustration purposes. For complete list of preferred range products please refer to Preferred Product booklet.
VALVE MODEL NUMBERS SHOWN ABOVE ARE FOR ILLUSTRATION PURPOSES.
FOR COMPLETE LIST OF PREFERRED RANGE PRODUCTS PLEASE REFER TO PREFERRED PRODUCT BOOKLET.
## Field Items

### Wellhead Control

![Diagram of Wellhead Control](image)

**Check List**

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<tr>
<th>1</th>
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<tbody>
<tr>
<td><strong>Fusible Loop</strong></td>
<td><strong>Remote ESD Logic Valves</strong></td>
<td><strong>Hydraulic QEV</strong></td>
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<tr>
<td><strong>Junior Range</strong></td>
<td><strong>Flowline Pilots</strong></td>
<td><strong>Solenoids</strong></td>
<td><strong>Junior Range</strong></td>
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<tr>
<td>Fusible Loop</td>
<td>Eutectic / Frangible bulb</td>
<td>Flowline Pilots</td>
<td>Solenoids</td>
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<tr>
<td>Needle Valve</td>
<td>Cylinder Plug</td>
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<tr>
<td>Well Control drawer module</td>
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<td>Well Control drawer module</td>
<td>Well Control drawer module</td>
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<tr>
<td>Wing Valve</td>
<td>Master Valve</td>
<td>Down Hole Valve</td>
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</table>

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<tr>
<td>SJJ06-M2-32-NU-00</td>
<td>S06-NV/S06-CPV</td>
<td>PSV5A/0010/H1/04/32/NU/V</td>
<td>QQEV15/38MP/15/S</td>
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<td>FP08P-S1-04-32-NU-V-24VDC-87DA0</td>
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<td>SJ J06-M14-32-NU-04</td>
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</tbody>
</table>

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