# Load holding / Motion control valves

## Product Selection Guide

**Summary**

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## Counterbalance

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## Counterbalance valves with regenerative function

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### Pilot operated with anti-cavitation check valves

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## Valves for motors - Single counterbalance with brake release port

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### Flangeable to motor

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### Valves for motors - Dual counterbalance

**Standard configuration with brake release port**

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### With brake release port and dual cross over relief

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### With pressure reducer for brake release port

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Valves for motors - Motion control

Standard configuration

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With brake release port

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Dual setting

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Dual setting with brake release port

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# Load lowering and relief

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## Flangeable

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# Check and metering valves

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## Check and metering valves

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### Flow regulators

#### 2-way, pressure compensated

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#### 2-way, pressure compensated

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#### 3-way, pressure compensated with check valve for free reserve flow

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Flow regulators

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3-way, combination type, pressure compensated

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3-way, heavy duty flow control, with pressure compensated and solenoid controlled priority flow

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## Flow regulators

5-way, heavy duty flow control, with pressure compensated and solenoid controlled priority flow for two pumps systems

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### 3-way, heavy duty flow control, with pressure compensated, solenoid and load sensing controlled priority flow

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### 2-way, heavy duty flow control, with pressure compensated, solenoid and load sensing controlled priority flow

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<td>up to 16 (4)</td>
<td>G 3/8</td>
<td>18309-59</td>
<td>401</td>
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<td>A-DRF</td>
<td>0ME1219003Z</td>
<td>350 (5000)</td>
<td>up to 50 (13)</td>
<td>G 1/2 - G 3/8</td>
<td>18309-60</td>
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<td>A-DRF</td>
<td>0ME1039004Z</td>
<td>350 (5000)</td>
<td>up to 95 (25)</td>
<td>G 3/4 - G 1/2</td>
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<tr>
<td>A-DRF</td>
<td>0ME1039005Z</td>
<td>350 (5000)</td>
<td>up to 150 (40)</td>
<td>G 3/4 - G 1</td>
<td>18309-62</td>
<td>407</td>
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</table>
### Auxiliary valves - Pressure reducing

Pressure reducing and relieving, direct acting spool type

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Type</th>
<th>Code</th>
<th>Max. Pressure bar (psi)</th>
<th>Max. Flow l/min. (gpm)</th>
<th>Ports size</th>
<th>Data Sheet</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>VRP-R</td>
<td>059027XYZ</td>
<td>210 (3000)</td>
<td>20 (5)</td>
<td>G 3/8</td>
<td>18309-72</td>
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Pressure reducing and relieving, direct acting spool type with free flow check

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<th>Max. Pressure bar (psi)</th>
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</tr>
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<tr>
<td>VRP-R-VU</td>
<td>059019XYZ</td>
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Pressure reducing, pilot operated spool type

<table>
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<th>Max. Flow l/min. (gpm)</th>
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<th>Data Sheet</th>
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</tr>
</thead>
<tbody>
<tr>
<td>VRPC-150</td>
<td>059033XYZ</td>
<td>210 (3000)</td>
<td>120 (32)</td>
<td>G 1/2 - G 3/4</td>
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### Auxiliary valves - Sequence

Direct acting poppet type

<table>
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<th>Type</th>
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<th>Max. Pressure bar (psi)</th>
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<th>Data Sheet</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>VSQ-10</td>
<td>052106XYZ</td>
<td>210 (3000)</td>
<td>10 (3)</td>
<td>G 1/4</td>
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<td>419</td>
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<tr>
<td>VSQ-30</td>
<td>052107XYZ</td>
<td>210 (3000)</td>
<td>30 (8)</td>
<td>G 3/8 - G 1/2</td>
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## Auxiliary valves - Sequence

**Direct acting poppet type, compensated**

<table>
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<th>Symbol</th>
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<th>Max. Pressure (bar (psi))</th>
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</thead>
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<tr>
<td>VSQ-CC-30</td>
<td>Direct acting poppet type</td>
<td>052111XYZ</td>
<td>210 (3000)</td>
<td>30 (8)</td>
<td>G 3/8 - G 1/2</td>
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<td>VSQP-150</td>
<td>Pilot operated spool type</td>
<td>052115XYZ</td>
<td>210 (3000)</td>
<td>150 (40)</td>
<td>G 1/2 - G 3/4</td>
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<td>VSQP-CC-150</td>
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<td>150 (40)</td>
<td>G 1/2 - G 3/4</td>
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## Auxiliary valves - Shuttle

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<th>Data Sheet</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>VFC</td>
<td>Shuttle</td>
<td>05990500Y</td>
<td>210 (3000)</td>
<td>50 (13)</td>
<td>G 1/4</td>
<td>18309-98</td>
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## Special valves

**Automatic shut-off**

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<th>Type</th>
<th>Code</th>
<th>Max. Pressure (bar (psi))</th>
<th>Max. Flow (l/min. (gpm))</th>
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<th>Data Sheet</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>VEM</td>
<td>Automatic shut-off</td>
<td>059803XYZ</td>
<td>210 (3000)</td>
<td>15 (4)</td>
<td>G 1/4</td>
<td>18310-10</td>
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## Special valves

### Pilot operated unloading

<table>
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<tr>
<th>Symbol</th>
<th>Type</th>
<th>Code</th>
<th>Max. Pressure bar (psi)</th>
<th>Max. Flow l/min. (gpm)</th>
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<th>Data Sheet</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>BM-N</td>
<td></td>
<td>059304XYZ</td>
<td>210 (3000)</td>
<td>200 (53)</td>
<td>G 1/2 - G 3/4</td>
<td>18310-11</td>
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### Pump unloading

<table>
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<tr>
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<th>Max. Flow l/min. (gpm)</th>
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<th>Data Sheet</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>VEP-VSP2</td>
<td>059006XYZ</td>
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<td>210 (3000)</td>
<td>30 (8)</td>
<td>G 3/4</td>
<td>18310-13</td>
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### Purge valve for hydrostatic trasmission

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<th>Data Sheet</th>
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</tr>
</thead>
<tbody>
<tr>
<td>A-VSL-R</td>
<td>08640500Y</td>
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<td>350 (5000)</td>
<td>90 (24)</td>
<td>G 3/4 - G 1</td>
<td>18310-18</td>
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### Automatic directional

<table>
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<tbody>
<tr>
<td>V.LC2-IA12</td>
<td>L5235...</td>
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<td>250 (3600)</td>
<td>10-100 (3-26)</td>
<td>F10</td>
<td>18310-24</td>
<td>443</td>
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