### THREE PORT LOAD CONTROL APPLICATIONS

**PILOT RATIO**
- 3:1, 1.5:1, 2:1
- 2.3:1, 4.5:1, 10:1

#### 0-60 L/min.  Cavity T-11A

<table>
<thead>
<tr>
<th>Ports 1 and 2</th>
<th>Part 3</th>
<th>Assembly Model Code*</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/8&quot; BSPP</td>
<td>1/4&quot; BSPP</td>
<td>CBC*-LHN-ECU</td>
</tr>
<tr>
<td>1/2&quot; BSPP</td>
<td>1/4&quot; BSPP</td>
<td>CBC*-LHN-ECV</td>
</tr>
</tbody>
</table>

#### 0-120 L/min.  Cavity T-2A

<table>
<thead>
<tr>
<th>Ports 1 and 2</th>
<th>Part 3</th>
<th>Assembly Model Code*</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/2&quot; BSPP</td>
<td>1/4&quot; BSPP</td>
<td>CBE*-LHN-BCV</td>
</tr>
<tr>
<td>3/4&quot; BSPP</td>
<td>1/4&quot; BSPP</td>
<td>CBE*-LHN-BCW</td>
</tr>
</tbody>
</table>

*The asterisk (*) shown in the fourth digit of the model code indicates the counterbalance pilot ratio of the cartridge and must be specified by customer. See page 50. Add modifier /S to order SG Iron for pressure rating over 210 bar.

**NOTES:**
- Page 50 for cartridge models CB**-*** shows performance curves, technical tips, and options.
- See page vii for technical information about line mount bodies including SAE flange pattern specifications.
- Consult the Sun Factory for other port sizes available in the bodies shown above.
- Model Codes printed in red are Preferred Products and are readily available.
Line Mounted Assemblies

THREE PORT LOAD CONTROL APPLICATIONS (90 DEGREE BODIES)

**PILOT RATIO**

| 3:1, 1.5:1, 2:1 | 2.3:1, 4.5:1, 10:1 |

*Go to www.sunhydraulics.com for more product information.*

---

**THREE PORT (**90 DEGREE** BODIES)**

**PILOT RATIO**

- **3:1, 1.5:1, 2:1**
  - Ports 1 and 2
  - Port 3
  - Assembly Model Code
    - 1" BSPP: CBO-LHN-HCX
    - 1 1/4" BSPP: CBO-LHN-HCY

**0-240 L/min. Cavity T-17A**

---

**PILOT RATIO**

- **2.3:1, 4.5:1, 10:1**
  - Ports 1 and 2
  - Port 3
  - Assembly Model Code
    - 1" BSPP: CBO-LHN-HCX
    - 1 1/4" BSPP: CBO-LHN-HCY

**0-480 L/min. Cavity T-19A**

---

**NOTES:** Page 50 for cartridge models CB**-*** shows performance curves, technical tips, and options. See page vii for technical information about line mount bodies including SAE flange pattern specifications. Consult the Sun Factory for other port sizes available in the bodies shown above. Model Codes printed in red are Preferred Products and are readily available.

*The asterisk (*) shown in the fourth digit of the model code indicates the counterbalance pilot ratio of the cartridge and must be specified by customer. See page 50. Add modifier /S to order SG Iron for pressure rating over 210 bar.*
Line Mounted Assemblies

THREE PORT LOAD CONTROL APPLICATIONS
(90 DEGREE 2.00” C61/C62 FLANGE PORT BODIES, 2 CAVITIES)

PILOT RATIO
3:1, 1.5:1, 2:1

Go to www.sunhydraulics.com
for more product information.

PILOT RATIO
2.3:1, 4.5:1, 10:1

0-960 L/min. Cavity T-19A

<table>
<thead>
<tr>
<th>Parts 1 and 2</th>
<th>Part 3</th>
<th>Assembly Model Code*</th>
</tr>
</thead>
<tbody>
<tr>
<td>2” SAE C61</td>
<td>1/4” BSPP</td>
<td>CBI*-LHN-ZZZ/M</td>
</tr>
</tbody>
</table>

*Add modifier /T to order SG Iron for pressure rating over 210 bar.

0-960 L/min. Cavity T-19A

<table>
<thead>
<tr>
<th>Parts 1 and 2</th>
<th>Part 3</th>
<th>Assembly Model Code*</th>
</tr>
</thead>
<tbody>
<tr>
<td>2” SAE C62</td>
<td>1/4” BSPP</td>
<td>CBI*-LHN-ZZZ/M</td>
</tr>
</tbody>
</table>

*Add modifier /T to order SG Iron for pressure rating over 210 bar.

NOTES: Page 50 for cartridge models CB**,*** shows performance curves, technical tips, and options.
See page vii for technical information about line mount bodies including SAE flange pattern specifications.
Consult the Sun Factory for other port sizes available in the bodies shown above.
Line Mounted Assemblies

THREE PORT LOAD CONTROL APPLICATIONS (INLINE BODIES)

PILOT RATIO
3:1, 1.5:1, 2:1

Go to www.sunhydraulics.com for more product information.

PILOT RATIO
2.3:1, 4.5:1, 10:1

The asterisk (*) shown in the fourth digit of the model code indicates the counterbalance pilot ratio of the cartridge and must be specified by customer. See page 50. Add modifier /S to order SG Iron for pressure rating over 210 bar.

NOTES: Page 50 for cartridge models CB**,*** shows performance curves, technical tips, and options. See page vii for technical information about line mount bodies including SAE flange pattern specifications. Consult the Sun Factory for other port sizes available in the bodies shown above.

Model Codes printed in red are Preferred Products and are readily available.

0-60 L/min.  Cavity T-11A

<table>
<thead>
<tr>
<th>Ports 1 and 2</th>
<th>Port 3</th>
<th>Assembly Model Code*</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/8&quot; BSPP</td>
<td>1/4&quot; BSPP</td>
<td>CBC-LHN-EJU</td>
</tr>
<tr>
<td>1/2&quot; BSPP</td>
<td>1/4&quot; BSPP</td>
<td>CBC-LHN-EJV</td>
</tr>
</tbody>
</table>

0-120 L/min.  Cavity T-2A

<table>
<thead>
<tr>
<th>Ports 1 and 2</th>
<th>Port 3</th>
<th>Assembly Model Code*</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/2&quot; BSPP</td>
<td>1/4&quot; BSPP</td>
<td>CBE-LHN-BVV</td>
</tr>
<tr>
<td>3/4&quot; BSPP</td>
<td>1/4&quot; BSPP</td>
<td>CBE-LHN-BVW</td>
</tr>
</tbody>
</table>

0-240 L/min.  Cavity T-17A

<table>
<thead>
<tr>
<th>Ports 1 and 2</th>
<th>Port 3</th>
<th>Assembly Model Code*</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/4&quot; BSPP</td>
<td>1/4&quot; BSPP</td>
<td>CBG-LHN-HDW</td>
</tr>
<tr>
<td>1&quot; BSPP</td>
<td>1/4&quot; BSPP</td>
<td>CBG-LHN-HDX</td>
</tr>
</tbody>
</table>

UK Selected Assemblies Catalogue #999-901-191  55
# Line Mounted Assemblies

## THREE PORT LOAD CONTROL APPLICATIONS (90 DEGREE BODIES WITH SHUTTLE)

<table>
<thead>
<tr>
<th>Model Code*</th>
<th>Ports 1 and 2</th>
<th>Port Shuttle and 3</th>
<th>Assembly Model Code*</th>
</tr>
</thead>
<tbody>
<tr>
<td>CBC*-LHN-EGU</td>
<td>1/2&quot; BSPP</td>
<td>1/4&quot; BSPP</td>
<td>CBC*-LHN-EGV</td>
</tr>
</tbody>
</table>

**PILOT RATIO**

3:1, 1.5:1, 2:1

**0-60 L/min. Cavity T-11A**

<table>
<thead>
<tr>
<th>Model Code*</th>
<th>Ports 1 and 2</th>
<th>Port Shuttle and 3</th>
<th>Assembly Model Code*</th>
</tr>
</thead>
<tbody>
<tr>
<td>CBC*-LHN-EGU</td>
<td>1/2&quot; BSPP</td>
<td>1/4&quot; BSPP</td>
<td>CBC*-LHN-EGV</td>
</tr>
</tbody>
</table>

*The asterisk (*) shown in the fourth digit of the model code indicates the counterbalance pilot ratio of the cartridge and must be specified by customer. See page 50. Add modifier /S to order SG Iron for pressure rating over 210 bar.

<table>
<thead>
<tr>
<th>Model Code*</th>
<th>Ports 1 and 2</th>
<th>Port Shuttle and 3</th>
<th>Assembly Model Code*</th>
</tr>
</thead>
<tbody>
<tr>
<td>CBC*-LHN-EGU</td>
<td>1/2&quot; BSPP</td>
<td>1/4&quot; BSPP</td>
<td>CBC*-LHN-EGV</td>
</tr>
</tbody>
</table>

**0-120 L/min. Cavity T-2A**

<table>
<thead>
<tr>
<th>Model Code*</th>
<th>Ports 1 and 2</th>
<th>Port Shuttle and 3</th>
<th>Assembly Model Code*</th>
</tr>
</thead>
<tbody>
<tr>
<td>CBC*-LHN-BGW</td>
<td>3/4&quot; BSPP</td>
<td>1/4&quot; BSPP</td>
<td>CBC*-LHN-BGV</td>
</tr>
</tbody>
</table>

*The asterisk (*) shown in the fourth digit of the model code indicates the counterbalance pilot ratio of the cartridge and must be specified by customer. See page 50. Add modifier /S to order SG Iron for pressure rating over 210 bar.

<table>
<thead>
<tr>
<th>Model Code*</th>
<th>Ports 1 and 2</th>
<th>Port Shuttle and 3</th>
<th>Assembly Model Code*</th>
</tr>
</thead>
<tbody>
<tr>
<td>CBC*-LHN-BGW</td>
<td>3/4&quot; BSPP</td>
<td>1/4&quot; BSPP</td>
<td>CBC*-LHN-BGV</td>
</tr>
</tbody>
</table>

**0-240 L/min. Cavity T-17A**

<table>
<thead>
<tr>
<th>Model Code*</th>
<th>Ports 1 and 2</th>
<th>Port Shuttle and 3</th>
<th>Assembly Model Code*</th>
</tr>
</thead>
<tbody>
<tr>
<td>CBC*-LHN-HGX</td>
<td>1&quot; BSPP</td>
<td>1/4&quot; BSPP</td>
<td>CBC*-LHN-HGY</td>
</tr>
</tbody>
</table>

*The asterisk (*) shown in the fourth digit of the model code indicates the counterbalance pilot ratio of the cartridge and must be specified by customer. See page 50. Add modifier /S to order SG Iron for pressure rating over 210 bar.

<table>
<thead>
<tr>
<th>Model Code*</th>
<th>Ports 1 and 2</th>
<th>Port Shuttle and 3</th>
<th>Assembly Model Code*</th>
</tr>
</thead>
<tbody>
<tr>
<td>CBC*-LHN-HGX</td>
<td>1&quot; BSPP</td>
<td>1/4&quot; BSPP</td>
<td>CBC*-LHN-HGY</td>
</tr>
</tbody>
</table>

**NOTES:** Page 50 for cartridge models CB**-*** shows performance curves, technical tips, and options. See page vii for technical information about line mount bodies including SAE flange pattern specifications. Consult the Sun Factory for other port sizes available in the bodies shown above.
**Line Mounted Assemblies**

**THREE PORT LOAD CONTROL APPLICATIONS**

*(90 DEGREE 1.50” SAE FLANGE PORT C61/C62 BODIES WITH SHUTTLE)*

### PILOT RATIO 3:1, 1.5:1, 2:1

<table>
<thead>
<tr>
<th>Ports</th>
<th>Port</th>
<th>Assembly Model Code*</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 and 2</td>
<td>1/4”</td>
<td>CBI*-LHN-KGR/M</td>
</tr>
</tbody>
</table>

*Add modifier /T to order SG Iron for pressure rating over 210 bar.*

### PILOT RATIO 2.3:1, 4.5:1, 10:1

<table>
<thead>
<tr>
<th>Ports</th>
<th>Port</th>
<th>Assembly Model Code*</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 and 2</td>
<td>1/4”</td>
<td>CBI*-LHN-KG6/M</td>
</tr>
</tbody>
</table>

*Add modifier /T to order SG Iron for pressure rating over 210 bar.*

### Specification

- **Mounting Holes:** M10 x 1.50-6H x 16.0 deep. 2 places.
- **Control:** Port S in end of cartridge

**NOTES:** Page 50 for cartridge models CBI**,*** shows performance curves, technical tips, and options. See page vii for technical information about line mount bodies including SAE flange pattern specifications. Consult the Sun Factory for other port sizes available in the bodies shown above.
Line Mounted Assemblies

THREE PORT LOAD CONTROL APPLICATIONS
(90 DEGREE CROSS-PILOTED BODIES, 2 CAVITIES)

PILOT RATIO
3:1, 1.5:1, 2:1

V1 V2
C1 C2

0-60 L/min. Cavity T-11A

Mounting Holes:
8.5 diameter through hole, 2 places.

3/8” BSPP CBC*-LHN-YEU
1/2” BSPP CBC*-LJN-YEU

PILOT RATIO
2.3:1, 4.5:1, 10:1

0-60 L/min. Cavity T-2A

Mounting Holes:
10.7 diameter through hole, 2 places.

3/8” BSPP CBC*-LHN-YAU
1/2” BSPP CBC*-LJN-YAU

NOTES:
Page 50 for cartridge model CB**-*** shows performance curves, technical tips, and options.
See page vii for technical information about line mount bodies including SAE flange pattern specifications.
Consult the Sun Factory for other port sizes available in the bodies shown above.
Model Codes printed in red are Preferred Products and are readily available.
Line Mounted Assemblies

THREE PORT LOAD CONTROL APPLICATIONS
(90 DEGREE CROSS-PILOTED, 1.50” SAE C61/C62 FLANGE PORT BODIES, 2 CAVITIES)

PILOT RATIO
3:1, 1.5:1, 2:1

Go to [www.sunhydraulics.com](http://www.sunhydraulics.com) for more product information.

PILOT RATIO
2.3:1, 4.5:1, 10:1

0-240 L/min. Cavity T-17A

<table>
<thead>
<tr>
<th>Ports</th>
<th>Assembly Model Code*</th>
</tr>
</thead>
<tbody>
<tr>
<td>C1, C2, V1 &amp; V2</td>
<td>1” BSPP CBG*-LHN-YJX</td>
</tr>
<tr>
<td>C1, C2, V1 &amp; V2</td>
<td>1 1/4” BSPP CBG*-LHN-YJY</td>
</tr>
</tbody>
</table>

*The asterisk (*) shown in the fourth digit of the model code indicates the counterbalance pilot ratio of the cartridge and must be specified by customer. See page 50. Add modifier /S to order SG Iron for pressure rating over 210 bar.

0-480 L/min. Cavity T-19A

<table>
<thead>
<tr>
<th>Ports</th>
<th>Assembly Model Code*</th>
</tr>
</thead>
<tbody>
<tr>
<td>C1, C2, V1 &amp; V2</td>
<td>1 1/2” SAE C61 CBI*-LHN-YMR/M</td>
</tr>
</tbody>
</table>

*Add modifier /T to order SG Iron for pressure rating over 210 bar.

0-480 L/min. Cavity T-19A

<table>
<thead>
<tr>
<th>Ports</th>
<th>Assembly Model Code*</th>
</tr>
</thead>
<tbody>
<tr>
<td>C1, C2, V1 &amp; V2</td>
<td>1 1/2” SAE C62 CBI*-LHN-YM6/M</td>
</tr>
</tbody>
</table>

*Add modifier /T to order SG Iron for pressure rating over 210 bar.

NOTES: Page 50 for cartridge model CB**-*** shows performance curves, technical tips, and options. See page vii for technical information about line mount bodies including SAE flange pattern specifications. Consult the Sun Factory for other port sizes available in the bodies shown above. Model Codes printed in red are Preferred Products and are readily available.
Line Mounted Assemblies

THREE PORT LOAD CONTROL APPLICATIONS
INLINE/INLINE CROSS-PILOTED, 1.50” SAE C61 FLANGE PORT BODIES, 2 CAVITIES

PILOT RATIO
3:1, 1.5:1, 2:1
Go to www.sunhydraulics.com for more product information.

PILOT RATIO
2.3:1, 4.5:1, 10:1

0-60 L/min. Cavity T-11A

Ports C1, C2, V1 & V2

Assembly Model Code*

3/8” BSPP CBC*-LHN-XEU

1/2” BSPP CBC*-LHN-XEV

*The asterisk (*) shown in the fourth digit of the model code indicates the counterbalance pilot ratio of the cartridge and must be specified by customer. See page 50. Add modifier $S$ to order SG Iron for pressure rating over 210 bar.

Mounting Holes:
8.6 diameter through hole.
L Control 32.5 Max.

0-120 L/min. Cavity T-2A

Ports C1, C2, V1 & V2

Assembly Model Code*

1/2” BSPP CBE*-LHN-XAV

3/4” BSPP CBE*-LHN-XAW

*The asterisk (*) shown in the fourth digit of the model code indicates the counterbalance pilot ratio of the cartridge and must be specified by customer. See page 50. Add modifier $S$ to order SG Iron for pressure rating over 210 bar.

Mounting Holes:
8.8 diameter through hole 2 places.
L Control 42.3 Max.

0-240 L/min. Cavity T-17A

Ports C1, C2, V1 & V2

Assembly Model Code*

1” BSPP CBC*-LHN-XJW

1” BSPP CBC*-LHN-XJX

*The asterisk (*) shown in the fourth digit of the model code indicates the counterbalance pilot ratio of the cartridge and must be specified by customer. See page 50. Add modifier $S$ to order SG Iron for pressure rating over 210 bar.

Mounting Holes:
10.7 diameter through hole, 2 places.
L Control 70.0 Max.

0-480 L/min. Cavity T-19A

Ports C1, C2, V1 & V2

Assembly Model Code*

1 1/2” SAE C61 CBH*-LHN-XZP/M

*Add modifier $T$ to order SG Iron for pressure rating over 210 bar.

Mounting Holes:
M10 x1.50-6 H x 22.4 deep 4 places.
L Control 59.5 Max.

Notes: Page 50 for cartridge model CB***-*** shows performance curves, technical tips, and options. See page vii for technical information about line mount bodies including SAE flange pattern specifications. Consult the Sun Factory for other port sizes available in the bodies shown above. Model Codes printed in red are Preferred Products and are readily available.

UK Selected Assemblies Catalogue 999-001-191
60
## THREE PORT LOAD CONTROL APPLICATIONS

### (90 DEGREE CROSS-PILOTED BODIES WITH SHUTTLE, 2 CAVITIES)

#### PILOT RATIO
3:1, 1.5:1, 2:1

#### Pilot Ratios
- **3:1**
- **1.5:1**
- **2:1**

#### Go to [www.sunhydraulics.com](http://www.sunhydraulics.com) for more product information.

### 0-60 L/min. Cavity T-11A

<table>
<thead>
<tr>
<th>Port</th>
<th>Shuttle Port</th>
<th>Model Code*</th>
</tr>
</thead>
<tbody>
<tr>
<td>C1</td>
<td>1/4&quot; BSPP</td>
<td>CBC-LHN-YGU</td>
</tr>
<tr>
<td>C2</td>
<td>1/4&quot; BSPP</td>
<td>CBC-LHN-YGV</td>
</tr>
</tbody>
</table>

**Mounting Holes:** 8.6 diameter through hole, 2 places.

**Control** 32.5 Max.

#### PILOT RATIO
2.3:1, 4.5:1, 10:1

#### Pilot Ratios
- **2.3:1**
- **4.5:1**
- **10:1**

### 0-120 L/min. Cavity T-21A

<table>
<thead>
<tr>
<th>Port</th>
<th>Shuttle Port</th>
<th>Model Code*</th>
</tr>
</thead>
<tbody>
<tr>
<td>C1</td>
<td>1/2&quot; BSPP</td>
<td>CBE-LHN-YHV</td>
</tr>
<tr>
<td>C2</td>
<td>1/4&quot; BSPP</td>
<td>CBE-LHN-YHW</td>
</tr>
</tbody>
</table>

**Mounting Holes:** 10.7 diameter through hole, 2 places.

**Control** 63.5 Max.

#### PILOT RATIO
3:1, 1.5:1, 2:1

#### Pilot Ratios
- **3:1**
- **1.5:1**
- **2:1**

### 0-240 L/min. Cavity T-17A

<table>
<thead>
<tr>
<th>Port</th>
<th>Shuttle Port</th>
<th>Model Code*</th>
</tr>
</thead>
<tbody>
<tr>
<td>C1</td>
<td>1&quot; BSPP</td>
<td>CBG-LHN-YKX</td>
</tr>
<tr>
<td>C2</td>
<td>1/4&quot; BSPP</td>
<td>CBG-LHN-YKY</td>
</tr>
</tbody>
</table>

**Mounting Holes:** 10.7 diameter through hole, 2 places.

**Control** 63.5 Max.

#### PILOT RATIO
3:1, 1.5:1, 2:1

#### Pilot Ratios
- **3:1**
- **1.5:1**
- **2:1**

### NOTES:
- Page 50 for cartridge models CB**,*** shows performance curves, technical tips, and options.
- See page vii for technical information about line mount bodies including SAE flange pattern specifications.
- Consult the Sun Factory for other port sizes available in the bodies shown above.
### THREE PORT LOAD CONTROL APPLICATIONS

(CROSS-PILOTED 1.50” SAE C61/C62 FLANGE PORT BODIES WITH SHUTTLE, 2 CAVITIES)

#### PILOT RATIO
3:1, 1.5:1, 2:1

#### PILOT RATIO
2.3:1, 4.5:1, 10:1

---

### 0-480 L/min. Cavity T-19A

<table>
<thead>
<tr>
<th>Ports</th>
<th>Shuttle Port</th>
<th>Assembly Model Code*</th>
</tr>
</thead>
<tbody>
<tr>
<td>C1, C2, V1, V2</td>
<td>1/4” BSPP</td>
<td>CB*-LHN-YNR/M</td>
</tr>
</tbody>
</table>

*Add modifier /T to order SG Iron for pressure rating over 210 bar.

---

### 0-480 L/min. Cavity T-19A

<table>
<thead>
<tr>
<th>Ports</th>
<th>Shuttle Port</th>
<th>Assembly Model Code*</th>
</tr>
</thead>
<tbody>
<tr>
<td>C1, C2, V1, V2</td>
<td>1/4” BSPP</td>
<td>CB*-LHN-YN6/M</td>
</tr>
</tbody>
</table>

*Add modifier /T to order SG Iron for pressure rating over 210 bar.

---

### 0-480 L/min. Cavity T-19A

<table>
<thead>
<tr>
<th>Ports</th>
<th>Shuttle Port</th>
<th>Assembly Model Code*</th>
</tr>
</thead>
<tbody>
<tr>
<td>C1, C2, V1, V2</td>
<td>1/4” BSPP</td>
<td>CB*-LHN-YN6/M</td>
</tr>
</tbody>
</table>

*Add modifier /T to order SG Iron for pressure rating over 210 bar.

---

### 0-480 L/min. Cavity T-19A

<table>
<thead>
<tr>
<th>Ports</th>
<th>Shuttle Port</th>
<th>Assembly Model Code*</th>
</tr>
</thead>
<tbody>
<tr>
<td>C1, C2, V1, V2</td>
<td>1/4” BSPP</td>
<td>CB*-LHN-YN6/M</td>
</tr>
</tbody>
</table>

*Add modifier /T to order SG Iron for pressure rating over 210 bar.

---

### Notes:

Page 50 for cartridge models CB**,*** shows performance curves, technical tips, and options.

See page vii for technical information about line mount bodies including SAE flange pattern specifications.

Consult the Sun Factory for other port sizes available in the bodies shown above.

Go to [www.sunhydraulics.com](http://www.sunhydraulics.com) for more product information.
### Line Mounted Assemblies

#### THREE PORT LOAD CONTROL APPLICATIONS
**(INLINE CROSS-PILOTED BODIES WITH SHUTTLE, 2 CAVITIES)**

<table>
<thead>
<tr>
<th>Pilot Ratio</th>
<th>Models</th>
<th>Ports</th>
<th>Shuttle Port</th>
<th>Assembly Model Code*</th>
</tr>
</thead>
<tbody>
<tr>
<td>3:1, 1.5:1, 2:1</td>
<td>Cavity T-11A</td>
<td>C1, C2, V1, V2</td>
<td>1/4&quot; BSSP</td>
<td>CBC*-LHN-XGU</td>
</tr>
<tr>
<td>3:1, 1.5:1, 2:1</td>
<td>Cavity T-2A</td>
<td>C1, C2, V1, V2</td>
<td>1/4&quot; BSSP</td>
<td>CBC*-LHN-XHW</td>
</tr>
<tr>
<td>2.3:1, 4.5:1, 10:1</td>
<td>Cavity T-17A</td>
<td>C1, C2, V1, V2</td>
<td>1/4&quot; BSSP</td>
<td>CBC*-LHN-XXW</td>
</tr>
<tr>
<td>2.3:1, 4.5:1, 10:1</td>
<td>Cavity T-19A</td>
<td>Port 1 and 2</td>
<td>1/4&quot; BSSP</td>
<td>CB*-LHN-XZO/M</td>
</tr>
</tbody>
</table>

*The asterisk (*) shown in the fourth digit of the model code indicates the counterbalance pilot ratio of the cartridge and must be specified by customer. See page 50. Add modifier /T to order SG Iron for pressure rating over 210 bar.

Go to www.sunhydraulics.com for more product information.

**NOTES:** Page 50 for cartridge models CB**-*** shows performance curves, technical tips, and options. See page vii for technical information about line mount bodies including SAE flange pattern specifications. Consult the Sun Factory for other port sizes available in the bodies shown above.
Line Mounted Assemblies

THREE PORT LOAD CONTROL APPLICATIONS
DIRECT MOUNT .75”/1.00”/1.25” SAE C61 FLANGE PORT BODIES, THROUGH PILOT

The direct mounted SAE flange port bodies provide the opportunity to mount load control valves directly onto the ports of an actuator.

**PILOT RATIO**
3:1, 1.5:1, 2:1

Go to www.sunhydraulics.com for more product information.

**PILOT RATIO**
2:3, 4:1, 10:1

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**0-120 L/min. Cavity T-2A**

<table>
<thead>
<tr>
<th>Ports 1 and 2</th>
<th>Port 3</th>
<th>Assembly Model Code*</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/4” SAE C61</td>
<td>1/4” BSPP</td>
<td>CBE-LHN-ZNV/M</td>
</tr>
</tbody>
</table>

*Add modifier /T to order SG Iron for pressure rating over 210 bar.

---

**0-240 L/min. Cavity T-17A**

<table>
<thead>
<tr>
<th>Ports 1 and 2</th>
<th>Port 3</th>
<th>Assembly Model Code*</th>
</tr>
</thead>
<tbody>
<tr>
<td>1” SAE C61</td>
<td>1/4” BSPP</td>
<td>CBG-LHN-ZNW/M</td>
</tr>
</tbody>
</table>

*Add modifier /T to order SG Iron for pressure rating over 210 bar.

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**0-480 L/min. Cavity T-19A**

<table>
<thead>
<tr>
<th>Ports 1 and 2</th>
<th>Port 3</th>
<th>Assembly Model Code*</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 1/4” SAE C61</td>
<td>1/4” BSPP</td>
<td>CBH-LHN-ZNX/M</td>
</tr>
</tbody>
</table>

*Add modifier /T to order SG Iron for pressure rating over 210 bar.

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NOTES: Page 50 for cartridge models CB**-*** shows performance curves, technical tips, and options. See page vii for technical information about line mount bodies including SAE flange pattern specifications. Consult the Sun Factory for other port sizes available in the bodies shown above.
Line Mounted Assemblies

THREE PORT LOAD CONTROL APPLICATIONS
(DIRECT MOUNT .75”/1.00”/1.25” SAE C62 FLANGE BODIES, THROUGH PILOT)

The direct mounted SAE flange port bodies provide the opportunity to mount load control valves directly onto the ports of an actuator.

PILOT RATIO
3:1, 1.5:1, 2:1

Go to www.sunhydraulics.com for more product information.

PILOT RATIO
2.3:1, 4.5:1, 10:1

*Add modifier /T to order SG Iron for pressure rating over 210 bar.

NOTES: Page 50 for cartridge models CB**-*** shows performance curves, technical tips, and options.
See page vii for technical information about line mount bodies including SAE flange pattern specifications.
Consult the Sun Factory for other port sizes available in the bodies shown above.
Three compact gasket-mounted bodies provide the opportunity to mount load control valves directly onto the ports of an actuator.

### Three Port Load Control Applications

**THREE PORT LOAD CONTROL APPLICATIONS**

*(GASKET MOUNT BODIES)*

These compact gasket-mounted bodies provide the opportunity to mount load control valves directly onto the ports of an actuator.

#### Pilot Ratio

- **5:1, 1.5:1, 2:1**
- **2.3:1, 4.5:1, 10:1**

Go to [www.sunhydraulics.com](http://www.sunhydraulics.com) for more product information.

### Assembly Details

**PILOT RATIO 5:1, 1.5:1, 2:1**

<table>
<thead>
<tr>
<th>Model Code*</th>
<th>Ports</th>
<th>Assembly Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>CBC*-LHN-ZTD</td>
<td>C2, V1 &amp; V2</td>
<td>3/8” BSPP</td>
</tr>
<tr>
<td>CBE*-LHN-ZTH</td>
<td>C2, V1 &amp; V2</td>
<td>1/2” BSPP</td>
</tr>
<tr>
<td>CBG*-LHN-ZTL</td>
<td>C2, V1 &amp; V2</td>
<td>3/4” BSPP</td>
</tr>
</tbody>
</table>

*The asterisk (*) shown in the fourth digit of the model code indicates the counterbalance pilot ratio of the cartridge and must be specified by customer. See page 50. Add modifier /S to order SG Iron for pressure rating over 210 bar.

**PILOT RATIO 2.3:1, 4.5:1, 10:1**

<table>
<thead>
<tr>
<th>Model Code*</th>
<th>Ports</th>
<th>Assembly Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>CBC*-LHN-ZTD</td>
<td>C2, V1 &amp; V2</td>
<td>3/8” BSPP</td>
</tr>
<tr>
<td>CBE*-LHN-ZTH</td>
<td>C2, V1 &amp; V2</td>
<td>1/2” BSPP</td>
</tr>
<tr>
<td>CBG*-LHN-ZTL</td>
<td>C2, V1 &amp; V2</td>
<td>3/4” BSPP</td>
</tr>
</tbody>
</table>

*The asterisk (*) shown in the fourth digit of the model code indicates the counterbalance pilot ratio of the cartridge and must be specified by customer. See page 50. Add modifier /S to order SG Iron for pressure rating over 210 bar.

### Notes

- Page 50 for cartridge model CB**-*** shows performance curves, technical tips, and options.
- See page vii for technical information about line mount bodies including SAE flange pattern specifications.
- Consult the Sun Factory for other port sizes available in the bodies shown above.
- Model Codes printed in red are Preferred Products and are readily available.

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Go to [www.sunhydraulics.com](http://www.sunhydraulics.com) for more product information.
Line Mounted Assemblies

THREE PORT LOAD CONTROL APPLICATIONS
(GASKET MOUNT BODIES, 2 CAVITIES)

These compact gasket-mounted bodies provide the opportunity to mount load control valves directly onto the ports of an actuator.

Go to www.sunhydraulics.com for more product information.

PILOT RATIO
3:1, 1.5:1

Go to www.sunhydraulics.com for more product information.

PILOT RATIO
2.3:1, 4.5:1, 10:1

0-60 L/min. Cavity T-11A

Mounting Holes: (opposite side)
8.6 diameter through hole, counterbore 13.5 diameter x 6.4 deep. 2 places.

C1 = 41.5 Max
C2 = 32.5 Max
V1 = 20.6
V2 = 76.2

0-120 L/min. Cavity T-2A

Mounting Holes: 10.4 diameter through hole, 2 places.

C1 = 41.5 Max
C2 = 36.6
V1 = 39.6
V2 = 43.1 Max

0-240 L/min. Cavity T-17A

Mounting Holes: 13.5 diameter through hole, counterbore 19.1 diameter x 11.2 deep. 2 places.

C1 = 43.1 Max
C2 = 36.6
V1 = 39.6
V2 = 43.1 Max

*The asterisk (*) shown in the fourth digit of the model code indicates the counterbalance pilot ratio of the cartridge and must be specified by customer. See page 50. Add modifier /S to order SG Iron for pressure rating over 210 bar.

NOTES: Page 50 for cartridge model CB**-*** shows performance curves, technical tips, and options. See page vii for technical information about line mount bodies including SAE flange pattern specifications. Consult the Sun Factory for other port sizes available in the bodies shown above.