

# ATEX Compliant

Compact Cylinder/Standard type: Double acting, Single rod

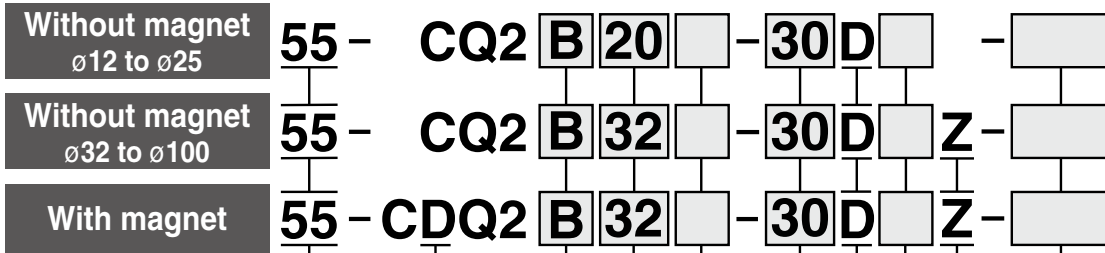
# Series 55-CQ2

ø12, ø16, ø20, ø25, ø32, ø40, ø50, ø63, ø80, ø100



CE II 2G Ex h IIC T5..T4 Gb  
II 2D Ex h IIIC T92°C..T112°C Db

## How to Order



ATEX category 2

With magnet  
(Built-in magnet)

### Mounting bracket

|          |                         |
|----------|-------------------------|
| <b>B</b> | Through-hole (Standard) |
| <b>A</b> | Both ends tapped        |
| <b>L</b> | Foot                    |
| <b>F</b> | Rod side flange         |
| <b>G</b> | Head side flange        |
| <b>D</b> | Double clevis           |

\* Mounting brackets are shipped together, (but not assembled).  
\* Cylinder mounting bolts are not included.

### Bore size

|            |        |
|------------|--------|
| <b>12</b>  | 12 mm  |
| <b>16</b>  | 16 mm  |
| <b>20</b>  | 20 mm  |
| <b>25</b>  | 25 mm  |
| <b>32</b>  | 32 mm  |
| <b>40</b>  | 40 mm  |
| <b>50</b>  | 50 mm  |
| <b>63</b>  | 63 mm  |
| <b>80</b>  | 80 mm  |
| <b>100</b> | 100 mm |

### Port thread type

|            |          |             |
|------------|----------|-------------|
| <b>Nil</b> | M thread | ø12 to ø25  |
|            | Rc       | ø32 to ø100 |
| <b>TF</b>  | G        |             |

\* For cylinders without magnet, M threads are compatible only with ø32-5 mm stroke.

### Made to Order

|             |                        |
|-------------|------------------------|
| <b>Nil</b>  | Standard               |
| <b>XC85</b> | With food grade grease |

### Auto switch mounting groove

|          |             |            |
|----------|-------------|------------|
| <b>Z</b> | ø12 to ø25  | 2 surfaces |
|          | ø32 to ø100 | 4 surfaces |

### Body option

|            |                                  |
|------------|----------------------------------|
| <b>Nil</b> | Standard (Rod end female thread) |
| <b>C</b>   | With rubber bumper               |
| <b>M</b>   | Rod end male thread              |

\* Combination of body options (CM) is available.

### Action

|          |               |
|----------|---------------|
| <b>D</b> | Double acting |
|----------|---------------|

### Cylinder stroke (mm)

| Bore size        | Standard stroke                                |
|------------------|------------------------------------------------|
| <b>12, 16</b>    | 5, 10, 15, 20, 25, 30                          |
| <b>20, 25</b>    | 5, 10, 15, 20, 25, 30, 35, 40, 45, 50          |
| <b>32, 40</b>    | 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 75, 100 |
| <b>50 to 100</b> | 10, 15, 20, 25, 30, 35, 40, 45, 50, 75, 100    |

Note) For intermediate strokes, refer to the standard products Series CQ2.

All other specifications are the same as the standard products Series CQ2.  
[Click here](#) for details.

Refer to page 69 for applicable auto switches.

# ATEX Compliant

Compact Cylinder/Standard type: Double Acting, Double Rod

# Series 55-CQ2W

ø12, ø16, ø20, ø25, ø32, ø40, ø50, ø63, ø80, ø100



|    |    |                                  |
|----|----|----------------------------------|
| CE | Ex | II 2G Ex h IIC T5..T4 Gb         |
|    |    | II 2D Ex h IIIC T92°C..T112°C Db |

## How to Order

**Without magnet ø12 to ø25** 55 - CQ2W B 20 - 30 D -

**Without magnet ø32 to ø100** 55 - CQ2W B 32 - 30 D Z -

**With magnet** 55 - CDQ2W B 32 - 30 D Z -

**ATEX category 2**

**With magnet (Built-in magnet)**

**Mounting bracket**

|   |                         |
|---|-------------------------|
| B | Through-hole (Standard) |
| A | Both ends tapped        |
| L | Foot                    |
| F | Flange                  |

\* Mounting brackets are shipped together, (but not assembled).  
\* Cylinder mounting bolts are not included.

**Bore size**

|     |        |
|-----|--------|
| 12  | 12 mm  |
| 16  | 16 mm  |
| 20  | 20 mm  |
| 25  | 25 mm  |
| 32  | 32 mm  |
| 40  | 40 mm  |
| 50  | 50 mm  |
| 63  | 63 mm  |
| 80  | 80 mm  |
| 100 | 100 mm |

**Port thread type**

|     |          |             |
|-----|----------|-------------|
| Nil | M thread | ø12 to ø25  |
|     | Rc       | ø32 to ø100 |
| TF  | G        |             |

\* For cylinders without magnet, M threads are compatible only with ø32-5 mm stroke.

**Made to Order**

|      |                        |
|------|------------------------|
| Nil  | Standard               |
| XC85 | With food grade grease |

**Auto switch mounting groove**

|   |             |            |
|---|-------------|------------|
| Z | ø12 to ø25  | 2 surfaces |
|   | ø32 to ø100 | 4 surfaces |

**Body option**

|     |                                  |
|-----|----------------------------------|
| Nil | Standard (Rod end female thread) |
| C   | With rubber bumper               |
| M   | Rod end male thread              |

\* Combination of body options (CM) is available.

**Action**

|   |               |
|---|---------------|
| D | Double acting |
|---|---------------|

**Cylinder stroke (mm)**

| Bore size | Standard stroke                                |
|-----------|------------------------------------------------|
| 12, 16    | 5, 10, 15, 20, 25, 30                          |
| 20, 25    | 5, 10, 15, 20, 25, 30, 35, 40, 45, 50          |
| 32, 40    | 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 75, 100 |
| 50 to 100 | 10, 15, 20, 25, 30, 35, 40, 45, 50, 75, 100    |

All other specifications are the same as the standard products Series CQ2. [Click here](#) for details.

Refer to page 69 for applicable auto switches.

# ATEX Compliant

## Compact Cylinder: Long Stroke/Double Acting, Single Rod

# Series 55-CQ2

∅32, ∅40, ∅50, ∅63, ∅80, ∅100



|    |    |                                  |
|----|----|----------------------------------|
| CE | Ex | II 2G Ex h IIC T5..T4 Gb         |
|    |    | II 2D Ex h IIIC T92°C..T112°C Db |

### How to Order

Without magnet **55-CQ2** **A** **32** **-** **200** **DC** **Z** **-**

With magnet **55-CDQ2** **A** **32** **-** **200** **DC** **Z** **-**

ATEX category 2

Built-in magnet for auto switch

#### Mounting bracket

|          |                  |
|----------|------------------|
| <b>A</b> | Both ends tapped |
| <b>L</b> | Foot             |
| <b>F</b> | Rod side flange  |
| <b>G</b> | Head side flange |
| <b>D</b> | Double clevis    |

\* Mounting brackets are shipped together, (but not assembled).

#### Bore size

|            |        |
|------------|--------|
| <b>32</b>  | 32 mm  |
| <b>40</b>  | 40 mm  |
| <b>50</b>  | 50 mm  |
| <b>63</b>  | 63 mm  |
| <b>80</b>  | 80 mm  |
| <b>100</b> | 100 mm |

#### Port thread type

|            |    |
|------------|----|
| <b>Nil</b> | Rc |
| <b>TF</b>  | G  |

#### Made to Order

|             |                        |
|-------------|------------------------|
| <b>Nil</b>  | Standard               |
| <b>XC85</b> | With food grade grease |

#### Auto switch mounting groove

|          |            |
|----------|------------|
| <b>Z</b> | 4 surfaces |
|----------|------------|

#### Body option

|            |                                  |
|------------|----------------------------------|
| <b>Nil</b> | Standard (Rod end female thread) |
| <b>M</b>   | Rod end male thread              |

#### Cushion

|          |                |
|----------|----------------|
| <b>C</b> | Rubber cushion |
|----------|----------------|

#### Action

|          |               |
|----------|---------------|
| <b>D</b> | Double acting |
|----------|---------------|

#### Cylinder stroke (mm)

| Bore size          | Standard stroke              |
|--------------------|------------------------------|
| <b>32, 40, 50</b>  | 125, 150, 175, 200, 250, 300 |
| <b>63, 80, 100</b> |                              |

All other specifications are the same as the standard products Series CQ2. [Click here](#) for details.

Refer to page 69 for applicable auto switches.

# ATEX Compliant

Compact Cylinder: Large Bore Size/Double Acting, Single Rod

# Series 55-CQ2

Ø125, Ø140, Ø160, Ø180, Ø200



|    |    |                                  |
|----|----|----------------------------------|
| CE | Ex | II 2G Ex h IIC T5..T4 Gb         |
|    |    | II 2D Ex h IIIC T92°C..T112°C Db |

## How to Order

**Without magnet** 55 - CQ2B 125 [ ] - 30 DC [ ] Z - [ ]

**With magnet** 55 - CDQ2B 125 [ ] - 30 DC [ ] Z - [ ]

- ATEX category 2**
- Built-in magnet for auto switch**
- Mounting bracket**

|          |                                                 |
|----------|-------------------------------------------------|
| <b>B</b> | Standard (Through-hole/Both ends tapped common) |
|----------|-------------------------------------------------|

\* Cylinder mounting bolts are not included.
- Bore size**

|            |        |
|------------|--------|
| <b>125</b> | 125 mm |
| <b>140</b> | 140 mm |
| <b>160</b> | 160 mm |
| <b>180</b> | 180 mm |
| <b>200</b> | 200 mm |
- Port thread type**

|            |    |
|------------|----|
| <b>Nil</b> | Rc |
| <b>TF</b>  | G  |
- Made to Order**

|             |                        |
|-------------|------------------------|
| <b>Nil</b>  | Standard               |
| <b>XC85</b> | With food grade grease |
- Auto switch mounting groove**

|          |            |
|----------|------------|
| <b>Z</b> | 4 surfaces |
|----------|------------|
- Body option**

|            |                                  |
|------------|----------------------------------|
| <b>Nil</b> | Standard (Rod end female thread) |
| <b>M</b>   | Rod end male thread              |
- Cushion**

|          |                |
|----------|----------------|
| <b>C</b> | Rubber cushion |
|----------|----------------|
- Action**

|          |               |
|----------|---------------|
| <b>D</b> | Double acting |
|----------|---------------|
- Cylinder stroke (mm)**

| Bore size            | Standard stroke              |
|----------------------|------------------------------|
| <b>125, 140, 160</b> | 10, 20, 30, 40, 50, 75, 100  |
| <b>180, 200</b>      | 125, 150, 175, 200, 250, 300 |

All other specifications are the same as the standard products Series CQ2. [Click here](#) for details.

Refer to page 69 for applicable auto switches.