SERIES “C”
PNEUMATIC CYLINDERS

• 1-1/8” BORE
• 175 PSI MAXIMUM
• 4 MOUNTING STYLES
• SPECIAL CONFIGURATIONS AVAILABLE
• STANDARD UNITS SHIPPED FROM STOCK
Standard Features and Benefits

The Series "C" cylinders offer a durable and economical solution for small bore, repairable cylinder applications. The end covers are die-cast zinc to maximize value. The tube is hard coated aluminum to assure a long life for the piston seal. The standard rod is black oxidized fatigue proof steel. An optional 303 stainless steel rod is available. All dynamic seals are specially compounded buna with a low friction lubricant molded into the seal itself. Standard strokes are 1" through 6" for double acting and 1" through 4" for single acting in even inch increments. Fractional and longer than standard strokes are available - consult factory.

Optional Features

All Series "C" can be furnished with viton seals. To specify, add -V to the cylinder model number.

i.e. C0212-0054.0-V

The C0213 cylinder can be ordered as spring extended. To specify, add -RE to the cylinder model number.

i.e. C0213-0051.0-RE

The C0215 is solenoid controlled and, therefore, a voltage must be specified. The standard voltage is 120/60. Six optional voltages are available: 12/60, 24/60, 240/60, 460/60, 12 VDC or 24 VDC.

The C0215 can be ordered as normally extended (solenoid energized to retract). Change the basic model number to C1215-XXXX.X and the normally open adapter will be added to the cylinder.

The C0215 can also be ordered with an additional pilot port in the cap to control another valve, cylinder or for use as a pressure sensing port. Change the basic model number to C2215-XXXX.X.

Engineering Data

Maximum operating pressure: 175 psi
Minimum operating pressure: 15 psi for double acting
20 psi for single acting, (full stroke zero force)
Temperature range: -20°F to 180°F
Effective thrust areas: extend - 1.0 square inches
retract - .9 square inches
Approximate spring forces: four pounds preload
three pounds per inch of stroke
Current consumption for C0215: @ 120/60 .15 amp inrush
.10 amp holding
@ 12 VDC .62 amp maximum

HOW TO ORDER

C 021X - X X X X.X - XXXXXX

SERIES

U = U-CUP PISTON
R = MAGNETIC PISTON
FOR REED SWITCH

0212 = DOUBLE ACTING
0213 = SINGLE ACTING
0215 = SINGLE ACTING
W/ SOLENOID VALVE

VOLTAGE FOR
C0215 ONLY

STROKE FIELD:
i.e. 0.5 = 1/2 inch stroke
4.0 = 4 inch stroke

1 = CAP EYE MOUNT
4 = TRUNNION MOUNT
5 = SIDE THROUGH MOUNT
AND FRONT TAPPED MOUNT

0 = STANDARD STEEL ROD
1 = STAINLESS STEEL ROD

* NOTE : U-CUP AND REED SWITCH PISTON
CONFIGURATIONS ADD 1/2" TO THE
OVERALL LENGTH OF THE CYLINDER.
DIMENSIONAL DATA

Side Through Holes and Front Tapped Mount

Head Trunnion Mount

Cap Eye Mount

Rod Clevis and Nut

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<tr>
<th>STROKE</th>
<th>Single Acting</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
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<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
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<tr>
<td>P</td>
<td>2-1/8</td>
<td>3-1/8</td>
<td>4-9/32</td>
<td>5-1/8</td>
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<td>4-1/8</td>
<td>5-1/8</td>
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<td>7-1/8</td>
<td>8-3/16</td>
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<tr>
<td>ZJ</td>
<td>3-3/8</td>
<td>4-3/8</td>
<td>5-17/32</td>
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NOTE: U-CUP AND REED SWITCH PISTON CONFIGURATIONS ADD 1/2" TO THE OVERALL LENGTH OF THE CYLINDER.

C0215 ONLY

C0215 Only
(Cap Eye Mount Not Available)

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RESERVED FOR
YOUR CUSTOM
COMPONENT

Local Distributor/Representative: