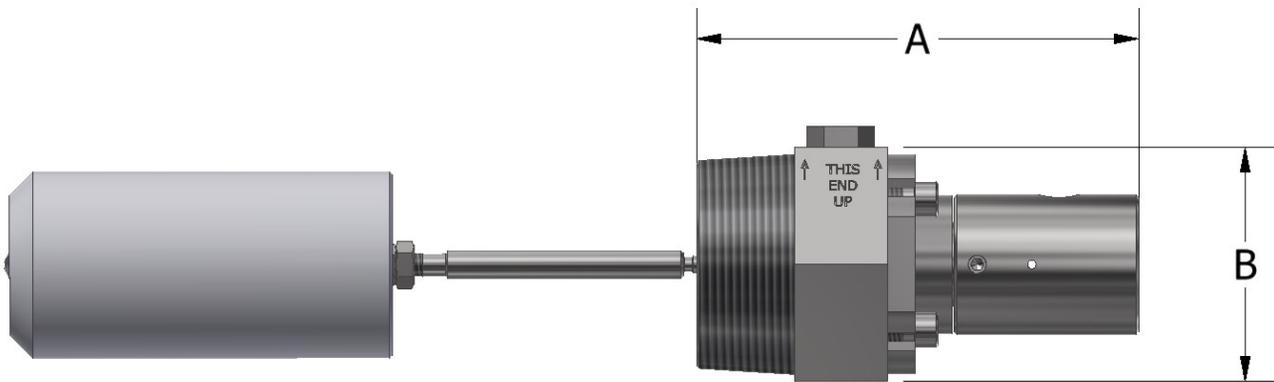


OPERATION

The Ruelco Model 30C2 is a 3-way pneumatic block and bleed, Liquid Level Switch. It incorporates 2" NPT thread giving it substantial mounting flexibility. The displacer operates a pneumatic valve when the liquid in a tank or pressure vessel reaches a predetermined level. The flex level operates as either a high or low level sensor, the mode of operation is selected simply by rotating the valve body 180 degrees. The 3-way pneumatic valve is a N.O. or N.C. block and bleed valve which provides positive and fast system response. When used as a high level sensor, the valve will be N.C. when the liquid level is below the sensor. The valve for a low level sensor is N.O. when the liquid level is below the sensor.

FEATURES

- 316 stainless steel construction (models to N.A.C.E. MR0175 available)
- Design has no deep cavities or recesses exposed to the process fluids for debris accumulation and is excellent for dirty fluid applications
- Uses a patented pivot seal mechanism to transmit liquid buoyancy to the valve operation mechanism with the pivot completely isolated from the process fluid
- Mode of operation (HI or LO) is easily changed and no re-calibration is required
- Level adjustments cannot be easily tampered with after installation, making this switch well suited for critical applications



DIMENSIONS

| | |
|------------------|----------------------|
| A | 4.72"(119.8 mm) |
| B | 2.50" HEX (63.5 mm) |
| CONNECTION PORTS | 1/4" FNPT |
| WEIGHT | 4.03 LBS. (1.83 Kg.) |

SPECIFICATIONS

| | |
|--------------------------|---------------------|
| MAXIMUM WORKING PRESSURE | 2,160 PSI (149 BAR) |
| MAXIMUM SUPPLY PRESSURE | 50 PSI (3.44 BAR) |
| MINIMUM SPECIFIC GRAVITY | 0.6 |
| Cv FACTOR | .12 |

PHONE: 504-340-0055
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PARTS LIST

| ITEM | QUANTITY | DESCRIPTION | MATERIAL |
|------|----------|-----------------------|-------------------------------|
| 1 | 1 | DISPLACER ASSEMBLY | POLYPROPYLENE OR 316 ST. STL. |
| 2 | 1 | FLOAT ROD | 316 ST. STL. |
| 3 | 1 | BODY SEAL RETAINER | 316 ST. STL. |
| 4* | 1 | BODY SEAL | FLUOROCARBON |
| 5 | 1 | BODY | 316 ST. STL. |
| 6 | 1 | SPRING CAP | 316 ST. STL. |
| 7 | 1 | SPRING | INCONEL |
| 8 | 1 | SPRING GUIDE | 316 ST. STL. |
| 9 | 4 | SOCKET HEAD CAP SCREW | 316 ST. STL. |
| 10 | 1 | VALVE BODY | CF-8M |
| 11 | 1 | 3-WAY VALVE POPPET | 316 ST. STL. |
| 12* | 2 | POPPET WEAR RINGS | DELTRIN |
| 13* | 1 | REMOVABLE PIVOT | 17-4 PH ST. STL. |
| 14 | 1 | CONE | 17-4 PH ST. STL. |
| 15 | 1 | FLOAT ROD NUT | 316 ST. STL. |
| 16 | 1 | 3-WAY VALVE BODY | 316 ST. STL. |
| 17 | 1 | COLLAR | 316 ST. STL. |
| 18 | 3 | COLLAR SET SCREWS | ST. STL. |
| 19 | 1 | RETAINER | 316 ST. STL. |
| 20* | 1 | RETAINER SEAL | FLUOROCARBON |
| 21* | 1 | STINGER | ST. STL./ FLUOROCARBON |
| 22 | 1 | PUSH ROD ASSEMBLY | ST. STL. |

* INDICATES ITEMS IN THE REPAIR KIT

REPAIR KIT

- 35-007-000

OTHER TEMPERATURE RANGES AND SEAL COMPOUNDS AVAILABLE UPON REQUEST

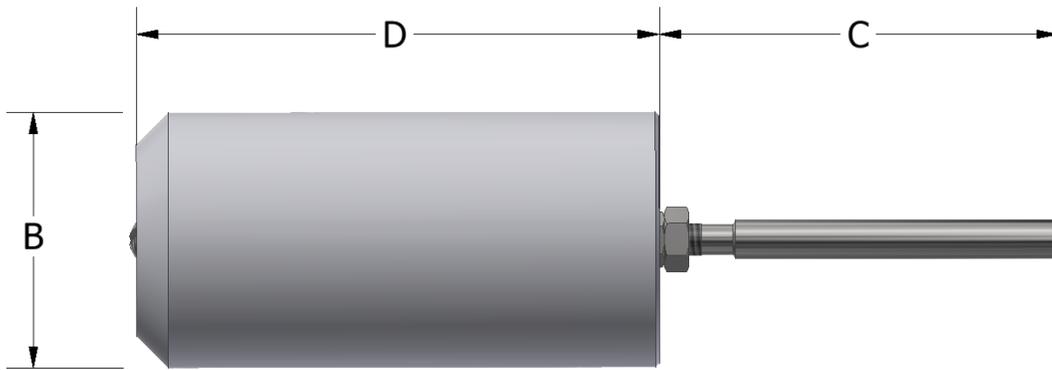
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ORDERING CODE

BODY CODE: 30C2

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POLYPROPYLENE 3" ROD



DIMENSIONS

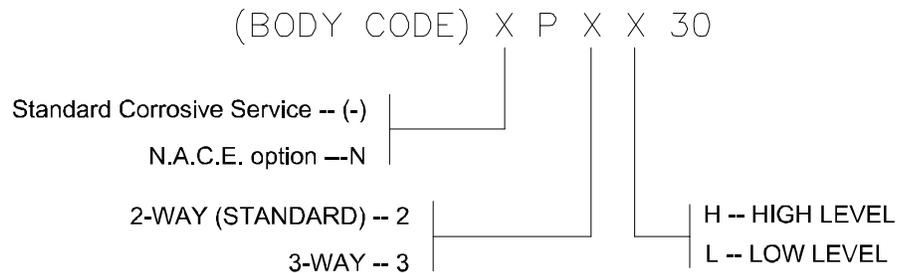
| | |
|---|-------------------|
| B | 2.00" (50.8 mm) |
| C | 3.25" (82.6 mm) |
| D | 4.10" (104.14 mm) |

SPECIFICATIONS

| | |
|-----------------------------|--------------------------------|
| MAXIMUM WORKING PRESSURE | 2,160 PSI (149 BAR) |
| AMBIENT TEMPERATURE RANGE | -20 TO 250° F -29 TO 122° C |
| MAXIMUM PROCESS TEMPERATURE | 200°F (93°C) |

DISPLACERS

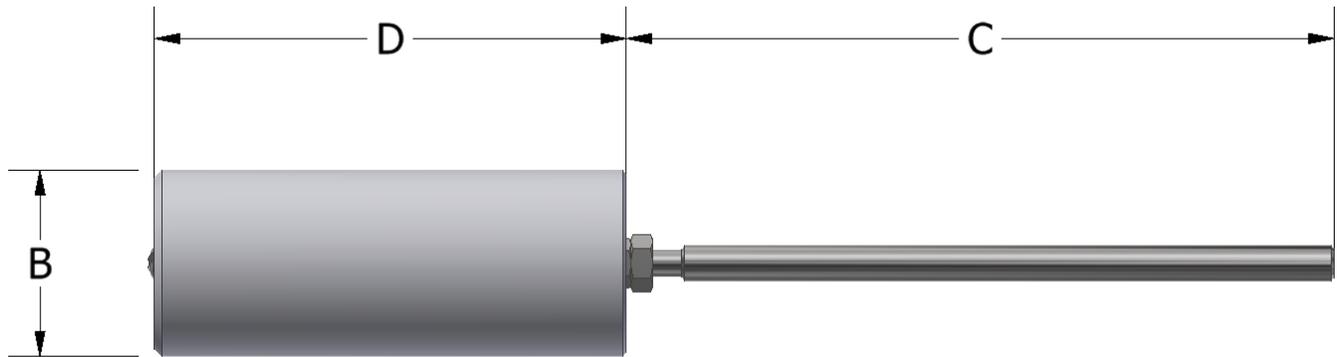
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POLYPROPYLENE 6" ROD



DIMENSIONS

| | |
|---|-------------------|
| B | 1.62" (41.3 mm) |
| C | 6.50" (165.1 mm) |
| D | 4.10" (104.14 mm) |

SPECIFICATIONS

| | |
|-----------------------------|--------------------------------|
| MAXIMUM WORKING PRESSURE | 2,160 PSI (149 BAR) |
| AMBIENT TEMPERATURE RANGE | -20 TO 250° F -29 TO 122° C |
| MAXIMUM PROCESS TEMPERATURE | 200°F (93°C) |

DISPLACERS

ORDERING CODE

(BODY CODE) X P X X 60

Standard Corrosive Service -- (-)

N.A.C.E. option ---N

2-WAY (STANDARD) -- 2

3-WAY -- 3

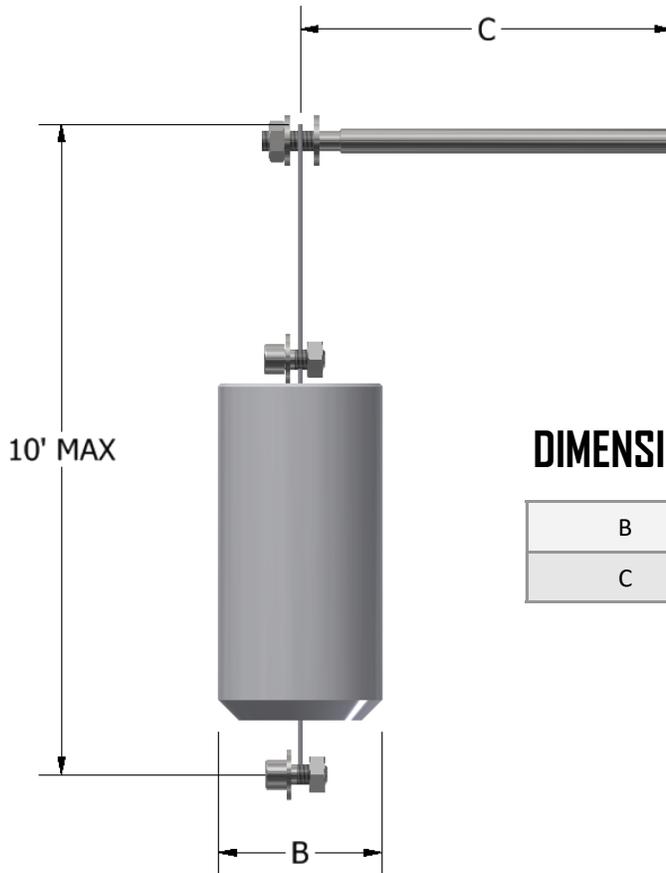
H -- HIGH LEVEL

L -- LOW LEVEL

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POLYPROPYLENE 10' HANGDOWN



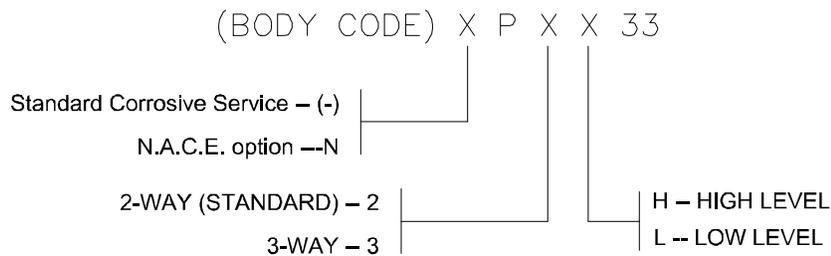
DIMENSIONS

| | |
|---|------------------|
| B | 2.00" (50.8 mm) |
| C | 4.50" (114.3 mm) |

SPECIFICATIONS

| | |
|-----------------------------|--------------------------------|
| MAXIMUM WORKING PRESSURE | 2,160 PSI (149 BAR) |
| AMBIENT TEMPERATURE RANGE | -20 TO 250° F -29 TO 122° C |
| MAXIMUM PROCESS TEMPERATURE | 200° F (93°C) |

ORDERING CODE

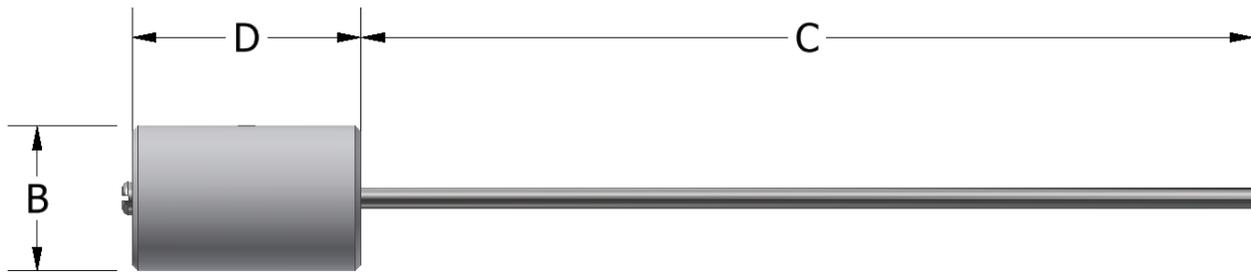


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DISPLACERS

POLYPROPYLENE EXTENDED ROD



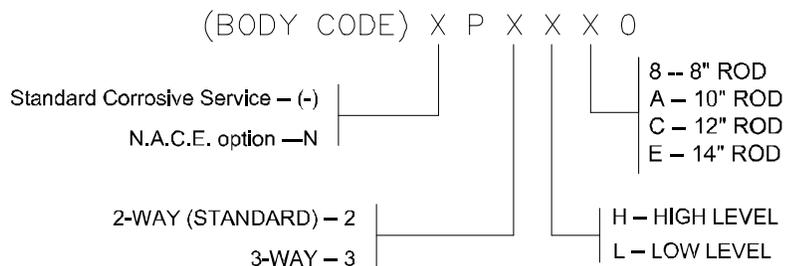
DIMENSIONS

| | 8" ROD | 10" ROD | 12" ROD | 14" ROD |
|---|------------------|------------------|-------------------|-------------------|
| B | 1.62" (41.3 mm) | 1.62" (41.3 mm) | 1.62" (41.3 mm) | 1.50" (38.1 mm) |
| C | 6.72" (170.7 mm) | 9.95" (252.7 mm) | 12.19" (309.6 mm) | 13.75" (349.3 mm) |
| D | 3.00" (76.2 mm) | 2.55" (64.8 mm) | 2.12" (53.8 mm) | 2.30" (58.4 mm) |

SPECIFICATIONS

| | |
|-----------------------------|--------------------------------|
| MAXIMUM WORKING PRESSURE | 2,160 PSI (149 BAR) |
| AMBIENT TEMPERATURE RANGE | -20 TO 250° F -29 TO 122° C |
| MAXIMUM PROCESS TEMPERATURE | 200°F (93°C) |

ORDERING CODE

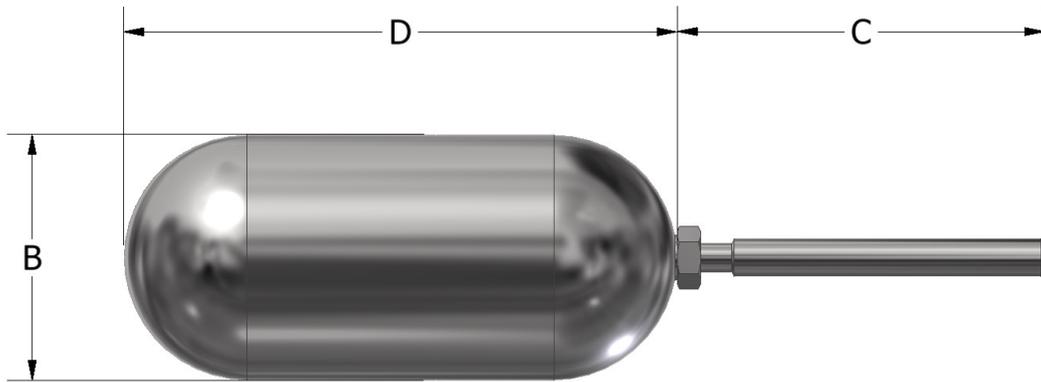


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DISPLACERS

316 ST. STL. 3" ROD



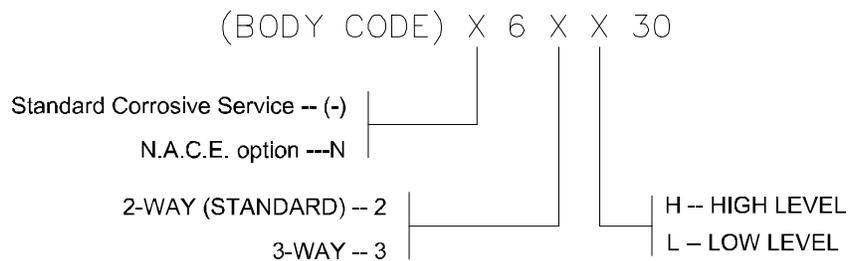
DIMENSIONS

| | |
|---|------------------|
| B | 2.00" (50.8 mm) |
| C | 3.25" (82.6 mm) |
| D | 4.50" (114.3 mm) |

SPECIFICATIONS

| | |
|-----------------------------|--------------------------------|
| MAXIMUM WORKING PRESSURE | 2,160 PSI (149 BAR) |
| AMBIENT TEMPERATURE RANGE | -20 TO 300° F -29 TO 148° C |
| MAXIMUM PROCESS TEMPERATURE | 300°F (148°C) |

ORDERING CODE

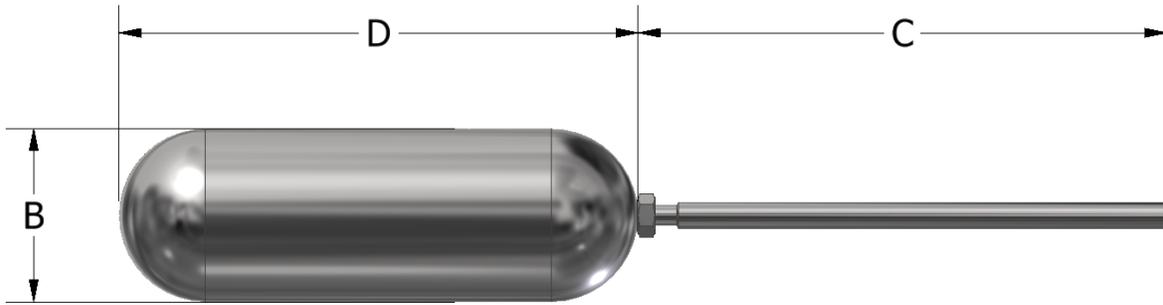


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DISPLACERS

316 ST. STL. 6" ROD



DIMENSIONS

| | |
|---|------------------|
| B | 2.00" (50.8 mm) |
| C | 6.50" (165.1 mm) |
| D | 6.00" (152.4 mm) |

SPECIFICATIONS

| | |
|-----------------------------|--------------------------------|
| MAXIMUM WORKING PRESSURE | 300 PSI (20.68 BAR) |
| AMBIENT TEMPERATURE RANGE | -20 TO 300° F -29 TO 148° C |
| MAXIMUM PROCESS TEMPERATURE | 300°F (148°C) |

ORDERING CODE

(BODY CODE) SA0002 X X X 60

Standard Corrosive Service -- (-)

N.A.C.E. option ---N

2-WAY (STANDARD) -- 2

3-WAY -- 3

H -- HIGH LEVEL

L -- LOW LEVEL

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DISPLACERS