



# BLUE RIBBON CORP.

## MODEL '01' - SUBMERSIBLE LEVEL TRANSMITTER BIRDCAGE® SERIES

### LIFE-TIME SURGE WARRANTY REPLACEMENT PROGRAM

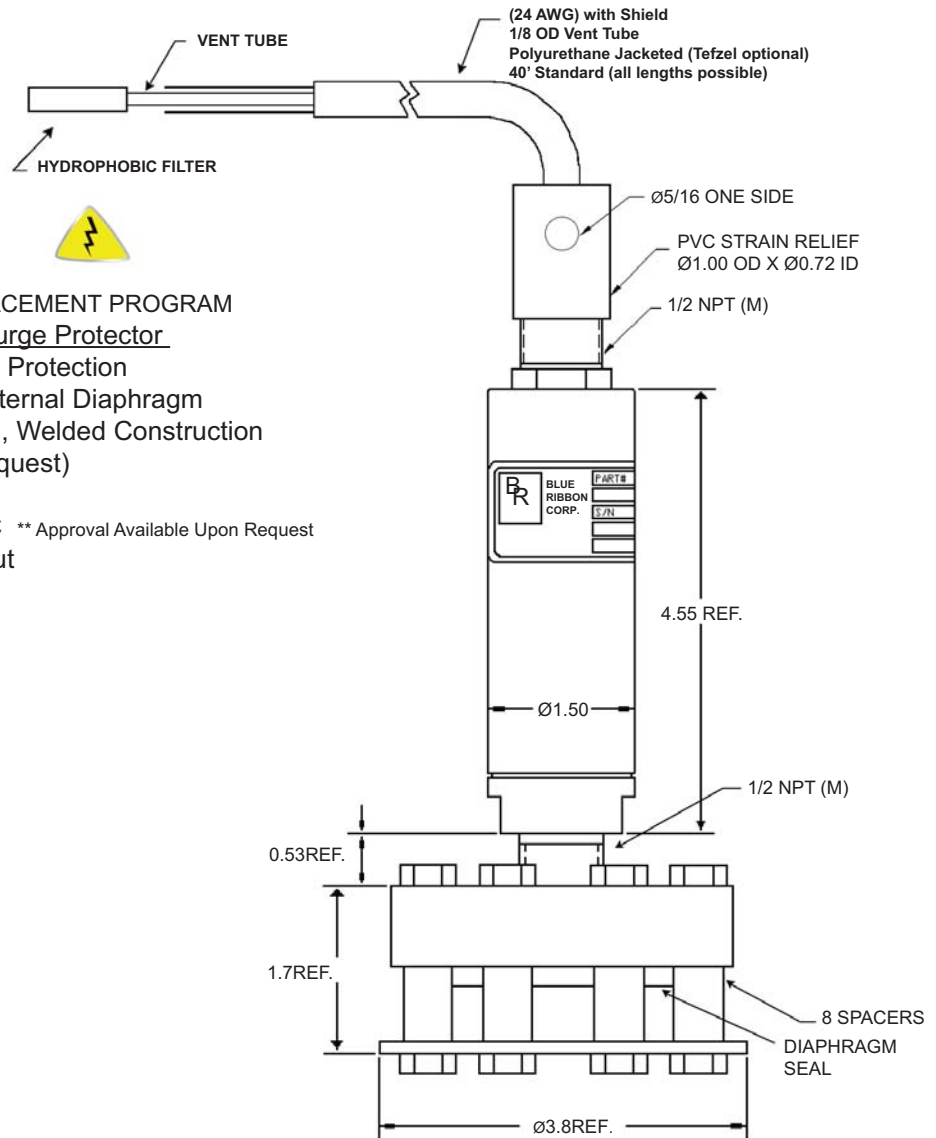
(Consult factory for details)

#### APPLICATIONS:

- Lift / Pump Station Sewage Level
- Sludge Level
- Oil and Gas Industry

#### FEATURES:

- LIFE-TIME SURGE WARRANTY REPLACEMENT PROGRAM when partnered with the BCP3000 Surge Protector
- Enhanced Internal Surge & Lightning Protection
- 2.5" Sensing Diaphragm with Dual Internal Diaphragm
- Corrosion Resistant, 316 SS Rugged, Welded Construction
- 4-20 mA , (0-5 VDC optional upon request)
- Glycerine-filled, other fluids available
- \*\* FM, CSA, CE, AND/OR ATEX/IEC \*\* Approval Available Upon Request
- Optional 4-20 mA Temperature Output



***Ships 1-3 days ARO***



The Patented Birdcage design provides a Heavy Duty 316 Stainless Steel Diaphragm Seal with Protective Stand off plate that protects the Flush Diaphragm from the elements.

A5BR-BC001.00 Rev D



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Standard Specifications listed below.

Consult factory for further options, which may change the overall dimensions.

<b>Output (at 70°F)</b>	<b>Model BC001</b> 4-20mA 9.0 – 36 VDC Excitation 0-5 VDC 9.0 – 40 VDC Excitation - Optional		
<b>Accuracy</b>	<b>Static Accuracy</b> 0.5% FSO BFSL (0.2% optional)	<b>1 Year Stability</b> 0.20% FSO	<b>Error Band (with temp.)</b> 1.0% BFSL FSO
<b>Pressure Ranges</b>	<b>0-5 PSI to 0-100 PSI</b>		
<b>Zero Balance (at 70°F)</b>	± 1% FSO		
<b>Range Calibration Signal</b>	Internal Calibration Resistor set to 100 ±0.5% FSO unless otherwise specified		
<b>Insulation Resistance</b>	>10 megohms @ 50 VDC & @ 70°F		
<b>Temperature Limits</b>	<b>Compensated</b> +35°F to +125°F	<b>Operating</b> -40°F to +190°F	<b>Storage</b> -65°F to +250°F
<b>Temperature Compensation (Standard)</b>	<b>Zero / Span</b> Less than ±2% FSO/100°F at FSPR and/or URL		
<b>Electricals</b>	<b>Load Impedance</b> 1350 ohms maximum at 36 VDC and 750 ohms maximum at 24 VDC <b>RFI Protection</b> <b>Voltage Surge Suppression</b> <b>Lightning Protection</b>		
<b>Electrical Connection</b>	Polyurethane or Tefzel Reinforced Cable with Integral vent tube and Hydrophobic filter (40 Ft. Standard – other lengths available upon request)		
<b>Mechanicals</b>	<b>Proof Pressure</b> 2X FSPR (or URL)	<b>Burst Pressure</b> 5X FSPR (or URL)	
<b>Pressure Response</b>	≤ 5 ms to 90%		
<b>Weight</b>	5.5 lbs.		
<b>Wetted Material</b>	<b>Case</b> 316 Stainless Steel 3.8" diameter Sensing Diaphragm - 316 SS	<b>Cable</b> Polyurethane or Tefzel Reinforced Cable with Integral vent tube and Hydrophobic filter (40 Ft. Standard – other lengths available upon request)	
<b>Accessories</b>	<b>BCP3000</b> Surge Protector LIFE-TIME SURGE WARRANTY PROGRAM FOR BC001 <b>BCP3005</b> Pluggable Surge Replacement <b>BCH2000</b> Cable Hanger		

## ORDERING GUIDE FOR MODEL 01:

PART #	PRESSURE RANGE	CABLE LENGTH
●	●	●/●/●

**PART #: 01**

**PRESSURE RANGE:**

ORDER CODE	PSI or Ft. WC
001	- 5 11.53
002	- 10 23.07
004	- 15 36.60
017.5	- 17.5 40.37
020	- 20 46.14
025	- 25 57.67
030	- 30 69.21
100	- 100 230.70

## WIRING CODE

WIRE COLOR	BC001
RED	+ EXC./SIGNAL
BLACK	- EXC./SIGNAL
SHIELD	OPEN

### CABLE LENGTH:

<b>AA</b>	40' Polyurethane Cable (Standard)
<b>AA-CZ</b>	Alternate Length of Cable (in feet optional)
<b>AA/CT</b>	40' Tefzel Cable
<b>AA/VDC</b>	0-5 VDC
(Custom lengths of cable available upon request)	

**EXAMPLE: 01001AA**

**5 PSI with 40' CABLE**

Blue Ribbon reserves the right to make product improvements and amendments to the product specifications stated throughout this brochure without prior notification. Please contact the factory on all critical dimensions and specifications for verification.

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