



BLUE RIBBON CORP.

MODEL 'BC001' - SUBMERSIBLE LEVEL TRANSMITTER BIRDCAGE®SERIES

LIFE-TIME SURGE WARRANTY REPLACEMENT PROGRAM

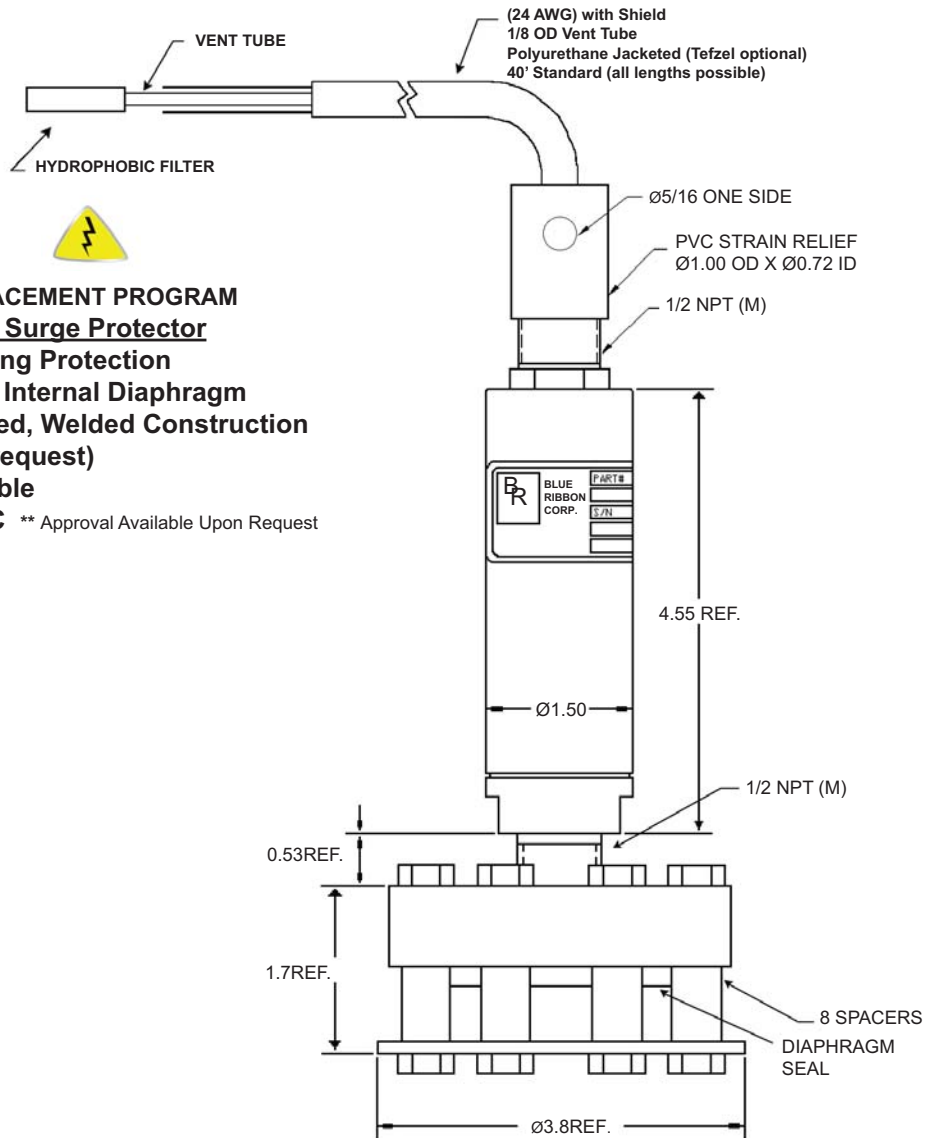
(consult Factory for details)

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



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.

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

ORDERING GUIDE FOR MODEL BC001:

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

CABLE LENGTH:

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

EXAMPLE: 01001AA

5 PSI with 40' CABLE

WIRING CODE

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

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.

2770 Long Road, Grand Island, NY 14072

Tel. (716) 773-9300 • Fax (716) 773-5019 • brsales@blueribboncorp.com • www.blueribboncorp.com