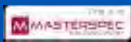


Wastewater  
Oil/Gas  
Commercial/HVAC  
Industrial  
OEM



# BLUE RIBBON CORP

Pressure, Temperature, & Electronics



ISO9001:2015 CERTIFIED



ASME.B40.1

## GAUGES



## SENSORS



## THERMOMETERS





Model	BR101 / BR102	BR201 / BR202	BR251	BR301 / BR302	BR300HP
Dial	1.5", 2", 2.5", 4"	1.5", 2", 2.5", 4", 6"	1.5", 2", 2.5", 4"	1.5", 2", 2.5", 4", 4.5", 6"	4", 4.5", 6"
Connection	1/8", 1/4", 1/2" NPT	1/8", 1/4", 1/2" NPT	1/8", 1/4", 1/2" NPT	1/8", 1/4", 1/2" NPT	9/16" NPT
Internals	BRASS	BRASS	316 SS	316 SS	316 SS
Ranges	30" VAC to 5,000 PSI	30" VAC to 10,000 PSI	30" VAC to 20,000 PSI	30" VAC to 20,000 PSI	20,000 TO 50,000 PSI



Model	BR400 / 800	BR501	BR601	BR651	BR700 / BR750
Dial	4.5"	2.5", 4"	4.5"	4.5"	2.5", 4"
Connection	1/4", 1/2" NPT	1/4" & 1/2" NPT	1/4" NPT	1/4" NPT	1/4" & 1/2" NPT
Internals	BRASS, 316 SS	BRASS	BRASS	BRASS	316 SS
Ranges	30" VAC to 20,000 PSI	Vacuum to 10 PSI	VAC to 1,000 PSI	VAC to 1,000 PSI	30"-0-150 PSI/F 30"-0-300 PSI/F



Model	DIFFERENTIAL	BR901 / BR902	BR901M-20ST	SANITARY	MUD GAUGE
Dial	2.5" & 4"	2.5", 4"	2"	2.5", 4"	4"
Connection	1/4" & 1/2" NPT	1/4" & 1/2" NPT	3/8" Steck-0 90 Durometer Buna N Sealing	1.5" & 2" Tri-Clamp	2" NPT
Internals	316 SS	BRASS	BRASS	316SS	316 SS
Ranges	VAC - 150 PSI	30" VAC to 15,000 PSI	0 to 9,000 PSI/BAR	30" VAC to 600 PSI	5K PSI to 15K PSI



# TEMPERATURE



**BR9A**

9" Aluminum Case  
Adjustable Angle

1.25 NEF

Organic Spirit Fill

-40 - 300 °F/C



**BR9A35-SD**

High Impact ABS Case  
Vari Angle

1 1/4" - 18 UNEF

Light Powered

-40 - 320 °F/C



**BR3 / BR5**  
BI-METAL THERMOMETERS  
STRAIGHT

3", 5"

1/2" NPT

304 Case, 316 SS Internal

-40 - 1000 °F/C



**BR3A / BR5A**  
BI-METAL THERMOMETERS  
ADJUSTABLE

3", 5"

1/2" NPT

304 Case, 316 SS Internal

-40 - 1000 °F/C



**THERMOWELLS - INDUSTRIAL**

Brass, 304 SS

3/4" NPT

Lagging Available

Stem Lengths 3.5" / 6"



**THERMOWELLS - BI-METAL**

Brass, 304 SS, 316 SS  
Other Upon Request

1/4", 1/2"

Lagging Available

2.5" - 72"



**TRIDICATORS**

2.5", 3"

1/4", 1/2" NPT

BRASS

0-75 PSI  
30-250 °F/C



**BRGT**

2"

3/4" FPT

BRASS

0-15 to 0-160 PSI  
(1/10# increments - only for 0-15)



**BRGTB**

2", 2.5"

1/2", 3/4", 1" FPT

BRASS

0-5, 0-30, 0-60 PSI  
(0-5 has 1/10 of 1 PSI increments)



**5" HOT WATER**

Straight BR5HW-S  
Angle BR5HW-A

1/2" NPT

Valox Case /  
Separable Brass Well Included

-40 - 110 °F/C | 30-240 °F/C



**2.5" HOT WATER**

BRHW  
BRHW-SW

1/2" NPT • 3/4" Solder

Aluminum Case /  
Brass Stem w/Well

30-2500 °F/C



**BRCT**  
CLAMP-ON THERMOMETER

2.5" Aluminum Dial

Spring Tension

BRASS

30-250 °F/C



**BRWT**

2"

Hose Bib

BRASS

0-15 to 0-300 PSI



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ASME.B40.1



Model	BR-D Series 1000	PVC Seal Series 3000	Model M35 Series 5000	Flanged Seal Series 6000
	Bolted Design	PVC Construction	One Piece Design	One-Piece Design
Connection	1/4"-1" Process 1/4", 1/2" Instrument	1/4" Process 1/4", 1/2" Instrument	1/4", 1/2" Process 1/4", 1/2" Instrument	1/4", 1/2" Process 1/4" Instrument
Diaphragm Material	Standard SS Others Available	PVC / PTFE	Stainless Steel	Stainless Steel
Ranges	30" VAC - 2500 PSI	30" VAC - 200 PSI	30 - 2500 PSI	VAC -2500 PSI



## ACCESSORIES



Model	ISO-Ring	BRGD SAI-2
	Stainless Steel Other Available	2 1/2" Gauge w/PVC Seal
Connection	Wafer Style	1/4", 1/2" FNPT
Diaphragm Material	Buna, Viton	PTFE / Viton
Ranges	VAC - 1000 PSI	15 - 400 PSI

Instrumentation Valves	Gauge Cock & Mini Valves
Pressure Limiting Valve	BR-FTS Filter Type Snubber
Test Port Plugs	Adjustable Snubber



	BD100 - Pump Controller	BD300 - Pump Controller
Features	<ul style="list-style-type: none"> <li>Control ON-OFF for two pumps</li> <li>Front-panel programming</li> <li>Analog output for runtimes</li> <li>Secure menu for all other preset values</li> <li>24 VDC power</li> <li>Accepts 4-20 mA or 1-5 VDC</li> <li>Non-volatile memory, no batteries</li> <li>Alternation of pumps set as default</li> <li>Set points continuously displayed, along with current level readings</li> </ul>	<ul style="list-style-type: none"> <li>Multi-Pump Alternation Control</li> <li>0-20 mA, 4-20 mA, 0-5 V, 1-5 V, and ± 10V Inputs</li> <li>NEMA 4X, IP65 Front</li> <li>Programmable Display &amp; Function Keys</li> <li>Standard 1/8 DIN (445 mm x 92 mm)</li> <li>Modbus® RTU Communication Protocol Standard</li> </ul>
Options	The BD100 is an easy and inexpensive solution for monitoring and controlling pump station water levels. With six programmable level set points for pump control, including on/off set points for 2 pumps, settings for 2 alarms, and a preprogrammed set of default parameters to simplify the user interface and set-up.	<ul style="list-style-type: none"> <li>4 Relays + Isolated 4-20mA Output</li> <li>External 4-Relay &amp; Digital I/O Expansion Modules</li> <li>USB, RS-232, RS-485 Serial Communication</li> </ul>

Siphons	BR-CT12 Cooling Tower
	<ul style="list-style-type: none"> <li>Overall size (W x H x D): 5" x 3" x 4"</li> <li>IP66 Rated Enclosure</li> <li>Corrosive resistant VALOX® construction</li> <li>ASTM-D-48 up to + 280 °F heat deflection temperature</li> <li>Four holes for surface mounting</li> <li>Maintenance-free Hydrophobic filter</li> <li>Two cord grips accommodate 0.23" to 0.47" cables</li> <li>Finger safe, 3-pole terminal strip</li> </ul>

BCJ-4000



	BIRDCAGE	BR313SL	BR313F	BR313G	BR1113
<b>Features/Applications</b>	<ul style="list-style-type: none"> <li>• 3" diameter diaphragm resists clogging</li> <li>• Protective baffle plate</li> <li>• Ship in 1-3 days</li> <li>• Lightning surge protection</li> <li>• Corrosion resistant SST</li> <li>• Designed for lift station level monitoring</li> </ul>	<ul style="list-style-type: none"> <li>• Up to <math>\pm 0.25\%</math> FSO</li> <li>• 0.622" Diameter</li> <li>• Compact 3.4" Housing</li> <li>• Lightning suppression</li> <li>• Integrated vent tube &amp; hydrophobic filter</li> <li>• Sewage lift &amp; Pump Stations, Wells, Weirs, Pond, Reservoir, Dam level</li> <li>• Deep well &amp; borehole</li> </ul>	<ul style="list-style-type: none"> <li>• 1" Flush ceramic diaphragm</li> <li>• 0 to 3 thru 0 to 300 PSI</li> <li>• Corrosion resistant, leak-proof construction</li> <li>• Lift station level monitoring</li> <li>• Water and wastewater level monitoring</li> </ul>	<ul style="list-style-type: none"> <li>• Chemically resistant PVDF construction</li> <li>• Bullet nose w/ceramic sensing element</li> <li>• 0 to 3 thru 0 to 700 PSI</li> <li>• Water and wastewater level monitoring</li> <li>• Other aggressive media</li> </ul>	<ul style="list-style-type: none"> <li>• Removeable SS sludge nose</li> <li>• Submersible to 650' WC</li> <li>• 1.06" (27mm) diameter</li> <li>• Up to <math>\pm 0.1\%</math> FSO accuracy</li> <li>• All stainless steel construction</li> <li>• Ground water monitoring</li> <li>• Irrigation</li> </ul>
<b>Options*</b>	<ul style="list-style-type: none"> <li>• FM/CSA Approval</li> <li>• Temperature Output</li> <li>• Lifetime surge warranty</li> </ul>	<ul style="list-style-type: none"> <li>• 316 SST Sensor &amp; Housing</li> <li>• 40' Polyurethane cable, Teflon optional</li> </ul>	<ul style="list-style-type: none"> <li>• Additional lengths, Tefzel® or Hytrel cable</li> <li>• Titanium housing</li> </ul>	<ul style="list-style-type: none"> <li>• Additional cable lengths</li> </ul>	<ul style="list-style-type: none"> <li>• 0-5, 0-10, and 1-5 Vdc output</li> <li>• Additional Cable lengths available</li> <li>• Stand-off PVC nose cone</li> </ul>
<b>Ranges</b>	0-1 thru 0-500 PSI	0-3 PSI thru 285 PSI (20 MWC)	0-3 PSI thru 300 PSI	0-3 PSI thru 700 PSI	0-12 ft WC thru 0-72 ft WC
<b>Accuracy</b>	$\pm 0.5\%$ , $\pm 0.20\%$	$\pm 0.5\%$ , $\pm 0.25\%$	$\pm 0.5\%$ , $\pm 0.25\%$	$\pm 0.5\%$ , $\pm 0.25\%$	$\pm 0.5\%$ , $\pm 0.25\%$
<b>Output</b>	4-20 mA or 0-5 Vdc	4-20 mA, 0-5 Vdc, 1-5 Vdc, 0-10 Vdc	4-20 mA	4-20 mA	(1112) 0 to 5 Vdc (1113) 4-20 mA
<b>Process Port</b>	3" SST Diaphragm	SST bullet nose	Flush Ceramic	Flush Ceramic	PVC Bullet Nose
<b>Electrical</b>	Hytrel jacketed, 4-conductor, vent tube & hydrophobic filter	Polyurethane jacketed, vent tube & hydrophobic filter	Hytrel jacketed, 4-conductor, vent tube & hydrophobic filter	Teflon jacketed cable w/integrated vent tube & hydrophobic filter	½" NPT (M) conduit w/8' Hytrel jacketed cable
<b>Materials</b>	316 SST	316 SST	316L SST Wetted: Ceramic Al2O3	Poly vinyl chloride Wetted: Ceramic Al2O3	316 SST



	BR313AI	BR313R	BR1001/1002/1003	BR240/340	BR311
<b>Features/Applications</b>	<ul style="list-style-type: none"> <li>• ATEX &amp; IEC Intrinsically Safe</li> <li>• Submersible to 700 FTWC (213.4 meters WC)</li> <li>• 1" diameter</li> <li>• Lightning suppression standard</li> <li>• Wet wells, ponds, rivers &amp; tank level</li> <li>• Water Treatment</li> <li>• Ground water monitoring</li> <li>• Irrigation</li> </ul>	<ul style="list-style-type: none"> <li>• Slim 0.622" (15.8mm) diameter housing</li> <li>• Rugged, welded, leak-proof SST construction</li> <li>• Silicon sensor technology</li> <li>• Lightning suppression</li> <li>• Hydrophobic breather filter</li> <li>• CE certified</li> <li>• Sewage lift &amp; pump stations</li> <li>• Deep well &amp; borehole</li> <li>• Groundwater monitoring</li> </ul>	<ul style="list-style-type: none"> <li>• Low-cost, high reliability</li> <li>• 0.870" diameter design</li> <li>• Compact rugged design</li> <li>• 4 oz. weight</li> <li>• Industrial OEM</li> <li>• Pneumatic/hydraulic controls</li> <li>• Pump controls</li> </ul>	<ul style="list-style-type: none"> <li>• Compact design for easy installation</li> <li>• All stainless steel welded construction</li> <li>• ATEX &amp; IEC approvals</li> <li>• Improved accuracy and thermally compensated</li> <li>• Pneumatic/hydraulic controls</li> <li>• Pump controls</li> </ul>	<ul style="list-style-type: none"> <li>• Available ranges from 0-30" WC thru 0-15K PSI</li> <li>• Rugged, welded, stainless steel</li> <li>• Economically priced</li> <li>• Pneumatic/hydraulic controls</li> <li>• Irrigation pumps pressure</li> <li>• Compression controls</li> </ul>
<b>Options</b>	<ul style="list-style-type: none"> <li>• Additional cable lengths</li> </ul>	<ul style="list-style-type: none"> <li>• Additional cable lengths</li> </ul>	<ul style="list-style-type: none"> <li>• Comprehensive selection of process and electrical connections</li> </ul>	<ul style="list-style-type: none"> <li>• Comprehensive selection of process and electrical connections</li> <li>• ATEX &amp; IEC Intrinsically Safe</li> </ul>	<ul style="list-style-type: none"> <li>• Zero and span adjustments</li> <li>• Alternate connectors and pressure ports</li> <li>• ATEX &amp; IEC Intrinsically Safe</li> </ul>
<b>Ranges</b>	0-2 thru 0-300 PSI 0-4 FTWC thru 0-700 FTWC	0-40" WC thru 285 PSI	0-15 thru 0-10K PSI G, V, A	0 to 1 thru 0 to 30K PSI (PSIG, PSIS, PSIA, PSIV)	0 to 30" WC thru 0 to 15K PSI (PSIG, PSIS, PSIA, PSIV)
<b>Accuracy</b>	$\pm 0.5\%$ , $\pm 0.2\%$ FSO	$\pm 0.5\%$ , $\pm 0.25\%$ FSO	$\pm 0.5\%$ or $\pm 0.25\%$	$\pm 0.25\%$ FSO, $\pm 0.15\%$	$\pm 0.5\%$ , $\pm 0.2\%$ , $\pm 0.1\%$ FSO
<b>Output</b>	4-20 mA	4-20 mA, 0 to 5 Vdc, & 1-5 Vdc	4-20 mA or 0-5 Vdc	4-20 mA and 0-5 Vdc	mV/V, 4-20 mA, 0-5 Vdc
<b>Process Port</b>	AS43905E4 (M) w/PVC bullet nose	Stainless Steel Bullet Nose	1/4" NPT (M)	¼" NPT (M), options available	¼" NPT (F), options available
<b>Electrical</b>	1/2" NPT (M) conduit 8' of 18 AWG, 4 conductor, shielded Hytrel jacketed cable	40' Polyurethane jacketed cable w/ integrated vent tube & hydrophobic filter	DIN 43650 Form C	½" NPT M conduit w/6' multi-conductor cable	36" long PVC jacketed cable, 4-conductor
<b>Materials</b>	316L SST	316 SST	17-4 PH & 316 SST	Housing: 316 SST Wetted: 316L SST, 17-4 PH SST	316 SST



360°  
Rotation



Single screw  
design for  
easy adjustment



**BLUE RIBBON CORP.**

2770 Long Road  
Grand Island, NY 14072

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