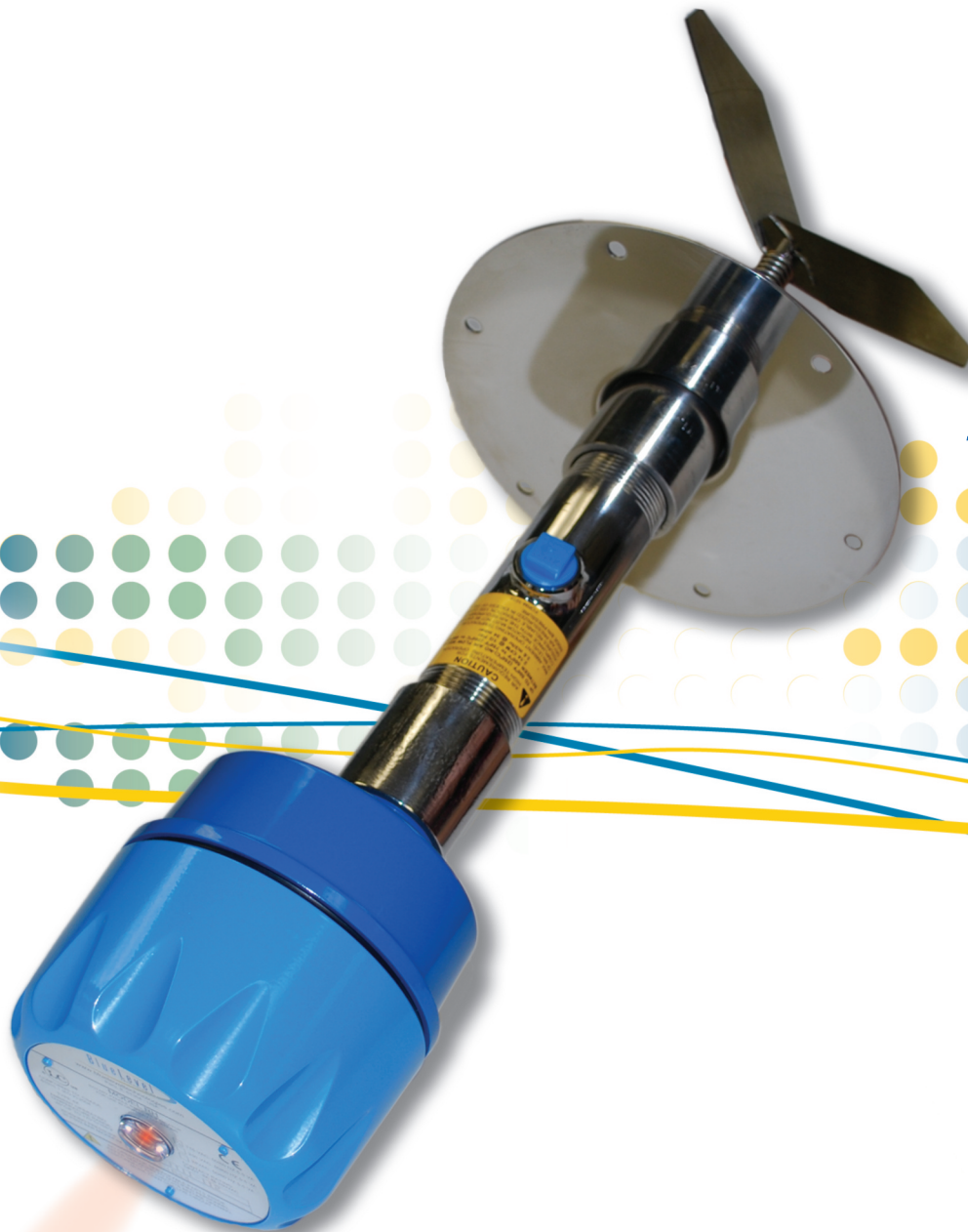


Model RH/RHX *High Temp*

Rotary paddle Bin Level Indicator

Lighting the way!

Universal level detection for powders and bulk solids
where high process temperatures exist - low maintenance,
high value and high reliability



The Next Level

BlueLevel
technologies

Model RH/RHX High Temp

Rotary Paddle Bin Level Indicator

- ✓ local indication - high intensity LED's
- ✓ high process temp - up to 750° F (399° C)
- ✓ long life - four bearing design
- ✓ long life - automatic motor shutoff
- ✓ protects your process - fail safe output
- ✓ easily replaces other brands
- ✓ you are protected - *golden parachute support*
- ✓ extensions and a wide variety of accessories

Ordering Information

Final Assembly Part Number Structure

40 - 1 **XXX** - 1 **XX**

Shaft Coupling

- 1 - None
- 2 - Standard Coupling
- 3 - Optional Coupling

Process Connection

- 1 - 1-1/2" NPT Aluminum

Power Supply

- 1 - 115VAC
- 2 - 230VAC
- 3 - 24VAC
- 4 - 12VDC
- 5 - 24VDC

Approvals

- 1 - Ordinary Location
- 2 - Hazardous Location

Temperature

- 1 - Standard
- 2 - High Temp
(stainless steel)

Principal of Operation

For several decades rotary paddle technology has been used as a method for detecting the presence and absence of bulk solid materials. A robust synchronous motor drives a stainless steel output shaft at approximately 1 RPM. In the Model RH/RHX HIGH TEMP rotary paddle bin level indicator the output shaft is attached to a stainless steel extension shaft and the paddle is attached to the end of this extension. The extension shaft is enclosed within a stainless steel cooling chamber extension that allows for the connection to an air line for air purge cooling. This assembly is finished with a stainless steel/graphite-alloy seal. The paddle rotates freely in the absence of material within the bin. Material presence surrounding the paddle in the bin will impede its rotation and cause the state of the built-in relay contacts to change, indicating material presence. The built-in LED's will change to indicate the status of the alarm condition.

Application and Use

High (full), low (empty) and intermediate (demand) level indication are common applications where high process temperatures up to 750° F (399° C) are common. The Model RH/RHX HIGH TEMP units can be used to detect materials with density from 5lbs/ft³ (80kg/m³) for low and intermediate level control and from 10lbs/ft³ (160kg/m³) for high level.

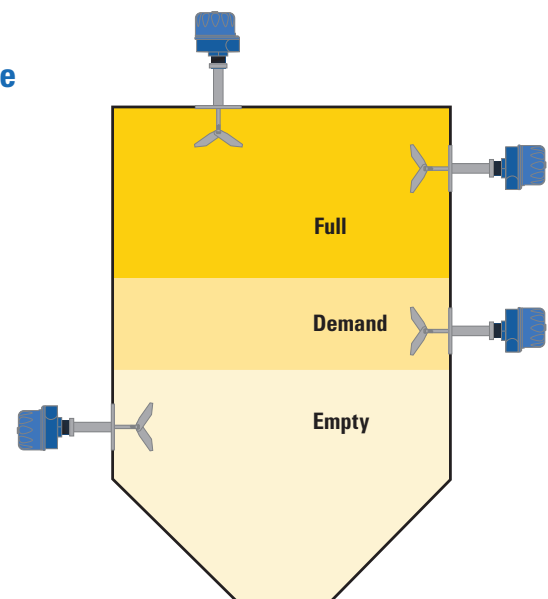
HIGH TEMP Models Available

- 24VAC, 115VAC, 230VAC, 12VDC or 24VDC
- HIGH TEMP (up to 750° F / 399° C)
- Standard or Extended Insertion Lengths
- Folding or Conventional Paddles
- Ordinary or Hazardous Locations

Technical Data Summary

Housing	Die-cast aluminum, FDA compliant powder coat, NEMA Type 4X, IP65
Process Temp	Up to 750° F (399° C) with air purge; 500° F (260° C) without air purge
Ambient Temp	-40° F to +158° F (-40° C to +70° C)
Sensitivity	Low Level ≥ 5lbs/ft ³ High Level ≥ 10lbs/ft ³
Motor Voltage	24VAC, 115VAC, 230VAC, 12VDC or 24VDC
Output	DPDT Relay, 8A @ 250VAC
Fail-Safe	Selectable - High or Low
Process Connection	1-¼" NPT powder coated
Bearings	Four (4) sealed bearings
Certifications	UL Ordinary Location; CE mark; Hazardous Location

Product Use



The Next Level

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