BRAIME COMPONENTS

RG3 Series
BETTER BY DESIGN

RG3 Rotary Level Indicator

Approved for explosive atmospheres:
ATEX zones 20 and 21 for dust

Application:
Designed to indicate the presence or absence of bulk materials such as grains, pellets, chemicals, wood chips, and other powders. It is ideal for hoppers and silos. The RG3 can be top and side mounted.

Method of operation:
The detection of material is achieved by a rotating paddle. If material impedes the rotation of the paddle, the motor topples on its axis and triggers an alarm

Features:

- An EASY TO INSTALL instrument that does not require any calibration, maintenance or specific tool for its installation.
- Thanks to the wide choice of paddles, all of which are interchangeable, it is ADAPTABLE to the different densities of the measured materials.
- Extremely VERSATILE, it can be installed on tanks, hoppers, on walls or roofs of silos, in a vertical, horizontal or oblique position.
- CUSTOMIZABLE with paddles, extensions, voltages, and different electrical connection options.
- Protection degree of enclosures for electrical equipment IP65.
- DURABLE and RELIABLE with aluminium casing, stainless steel shaft on ball bearings and electrical connection with tension clamp or screw terminals. Works with ambient temperatures from -20° to +70°C.
- Push-fit or screw terminal options.

Part Numbers:

RG3V56A-P	110/240 VAC Push-fit terminal block - Male thread 2 1/2" BSPP
RG3V4A-P	24 VDC Push-fit terminal block - Male thread 2 1/2" BSPP
RG3V56A-S	110/240 VAC Screw terminals - Male thread 2 1/2" BSPP
RG3V4A-S	24 VDC Screw terminals - Male thread 2 1/2" BSPP

Please refer to instruction manual for correct installation.
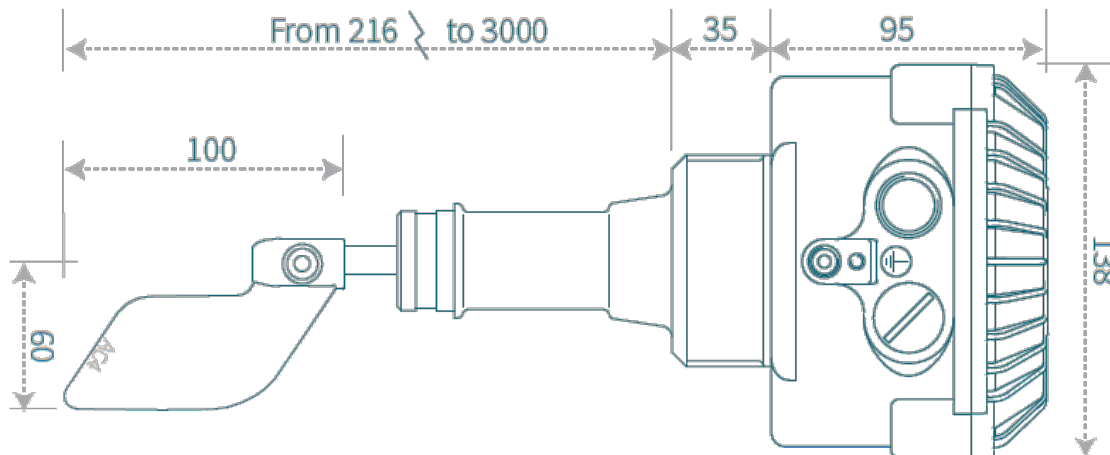Information subject to change or correction.   Jan 2020

Detailed specification, wiring diagrams and installation/operating instructions available upon request.

4B BRAIME COMPONENTS LIMITED - Hunslet Road, Leeds LS10 1JZ, UK
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BRAIME COMPONENTS

RG3 Series

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TECHNICAL SPECIFICATIONS

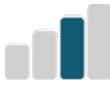| Model	RG3V56A-x	RG3V4A-x
Power supply	110/240 VAC (50/60Hz)	24VDC
Output	Change over relay 10A at 250 VAC	Change over relay 10A at 250 VAC
Mounting	ø 2 ½" BSPP	ø 2 ½" BSPP
Conduit Entry	1 x conduit entries tapped ø 1/2" BSPP	1 x conduit entries tapped ø 1/2" BSPP
Enclosure	Die-cast aluminium casing	Die-cast aluminium casing
Operating temperature range	-20°C + 70°C	-20°C + 70°C
Protection	IP65	IP65
Certificates and approvals	ATEX Zone 20 / Zone 21	ATEX Zone 20 / Zone 21

DIMENSIONS
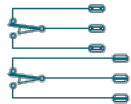
Note: All dimensions are given in mm.

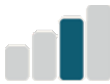Detailed specification, wiring diagrams and installation/operating instructions available upon request.

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RG3 Series
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Build Options
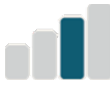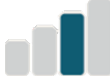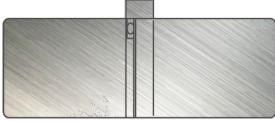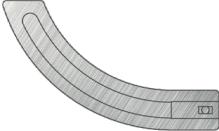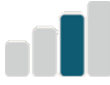
	Option Code	Description
R Voltage control	4V = 24VDC 5V = 230VAC 6V = 110VAC	Power Supply Monitoring
Double contact	D	Double Contact
8 Pulse/min. 8 pulse	8P	Output Pulse (8 pulse / min)
4 RPM	4R	4 RPM Rotation Speed
Low temperatures	4T = 24VDC 5T = 230VAC 6T = 110VAC	Low Temperature, extended to -27°C
220VAC	4L = 24VDC 5L = 220VAC 6L = 110VAC	Indication Lamp

Example: RG3V4A-P4V8P4L

= 24VDC RG3 with, Push-fit terminals, Voltage Control, 8 Pulse Output, 24VDC Lamp

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BRAIME COMPONENTS

RG3 Series

BETTER BY DESIGN

Paddle Options

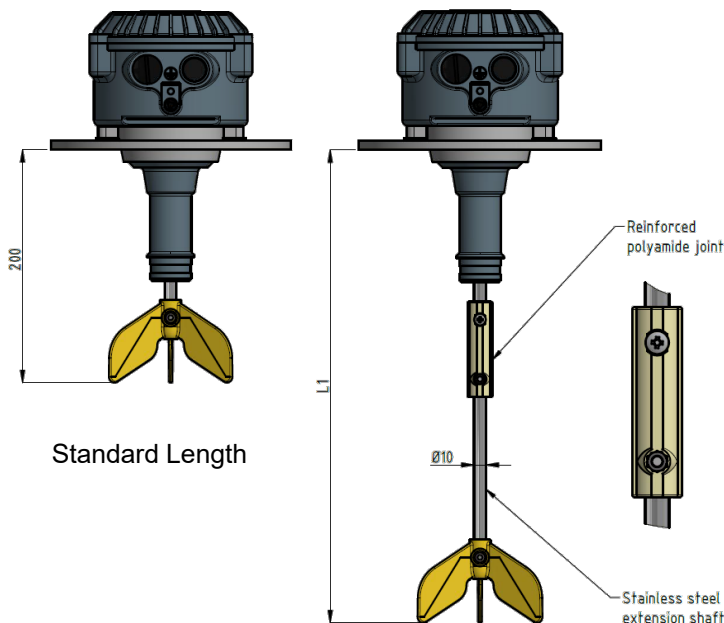|	Part Number	Description	Size	Compatible	Min Hole ø	Recommended Density	Material Weight
	RGSP0 (supplied as standard)	1 x Nylon6 blade	50 x 100 mm	RG2 RG3 RG4	39mm	1.0 kg/dm³	
	RGSP1	1 x Nylon6 blade	60 x 100 mm	RG2* RG3 RG4*	65mm	0.5 kg/dm³	
	RGSP3	3 x Nylon6 blades	120 x 65 mm	RG2* RG3* RG4*	* Install with flange of from within silo	0.3 kg/dm³	
	RGSP0-SS	1 x 304 Stainless Steel blade	50 x 100 mm	RG2 RG3 RG4	39mm	1.0 kg/dm³	
	RGSP1-SS	1 x 304 Stainless Steel blade	60 x 100 mm	RG2* RG3 RG4*	65mm	0.5 kg/dm³	
	RGSP4-SS	4 x 304 Stainless Steel blades	100 x 60 Mm	RG2* RG3* RG4*	* Install with flange of from within silo	0.3 kg/dm³	
	RGSP4-SS-L	4 x 304 Stainless Steel blades	138 x 50 mm	RG2* RG3* RG4*	* Install with flange of from within silo	0.2 kg/dm³	
	RGSPV-SS	1 x 304 Stainless Steel blade	160 x 95 mm	RG2 RG3 RG4	30mm	0.4 kg/dm³	

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Extension Options

Stainless Steel Extension Rod (Without Guard)

Part No.: RGEXT-0500-SS (L1 = 500mm)

Part No.: RGEXT-1000-SS (L1 = 1000mm)

Part No.: RGEXT-1500-SS (L1 = 1500mm)

Standard Length

Reinforced polyamide joint
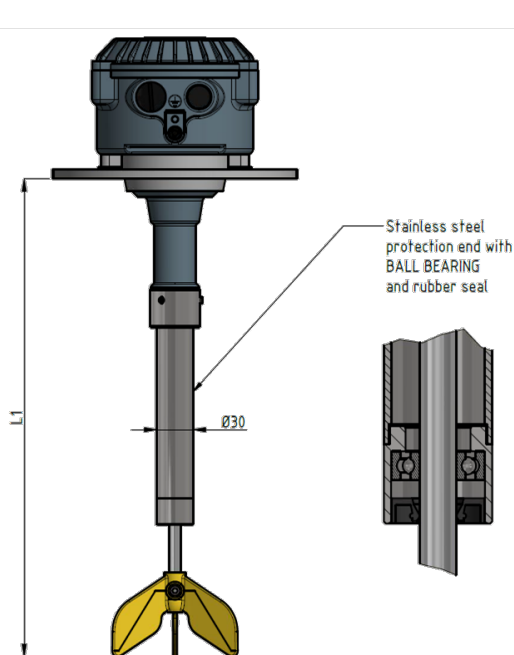
Ø10

Stainless steel extension shaft

Stainless Steel Extension Rod (With Guard)

Part No.: RGEXT-0500-SS-G (L1 = 500mm)

Part No.: RGEXT-1000-SS-G (L1 = 1000mm)

Part No.: RGEXT-1500-SS-G (L1 = 1500mm)

Stainless steel protection end with BALL BEARING and rubber seal

Ø30

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Extension Options (cont.)

Flexible Extension
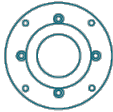
Part No.: RGEXT-2000-SS-W (L1 = 2000mm)

Stainless steel joint

Galvanzed steel rope (Ø7mm)

Stainless steel protections on rope ends
(rope lenghts cannot be changed aftermarket)

L1

Please refer to instruction manual for correct installation.
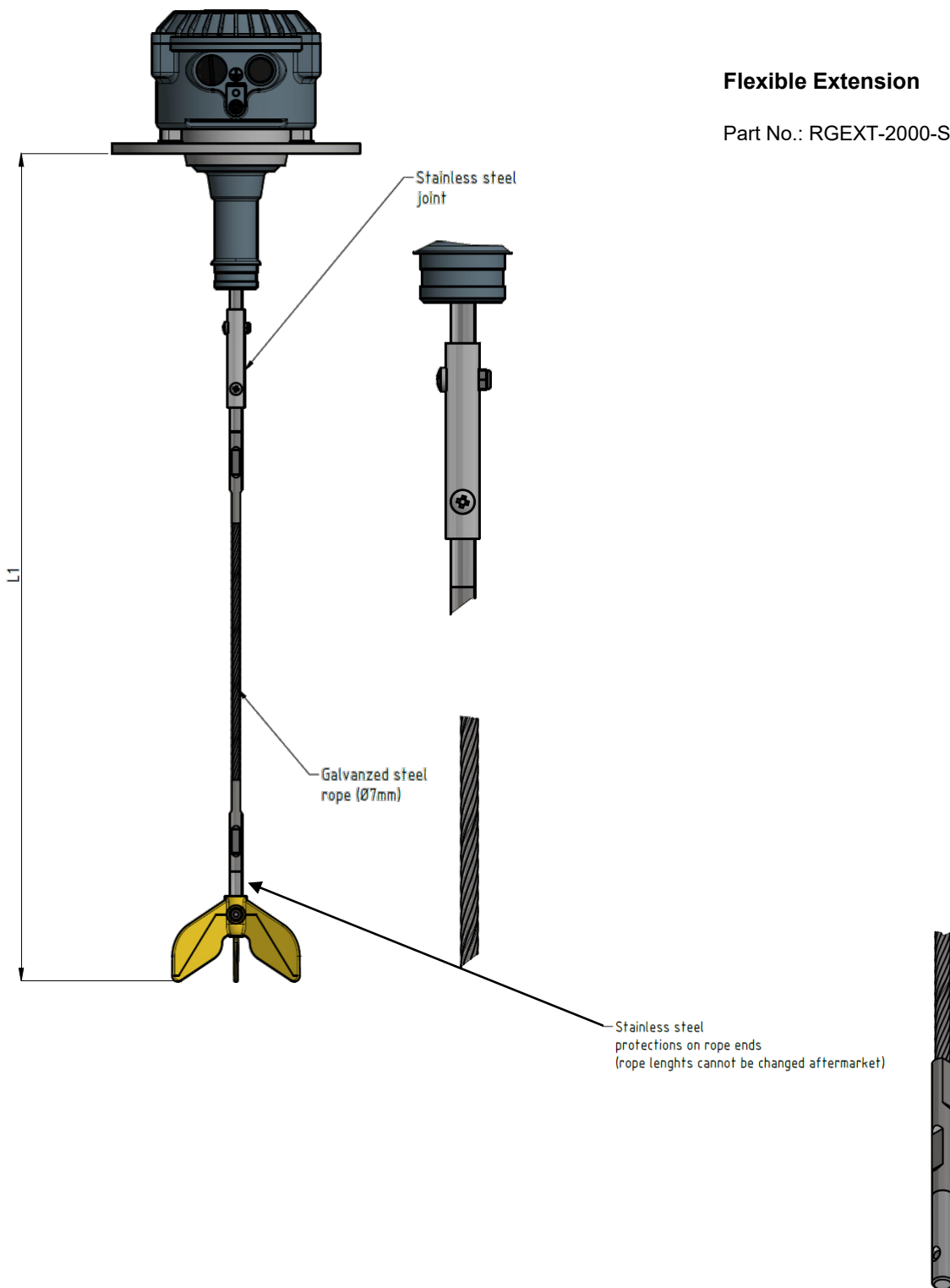Information subject to change or correction.   Jan 2020

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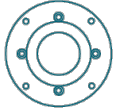Tel: +44 (0)113 246 1800 Fax: +44 (0)113 243 5021 Email: 4b-uk@go4b.com

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Flange Options

	Part Number	Description
Aluminium flange	RGMP1	Standard aluminium flange 2 ½" BSP External diameter = 203mm Hole centers = ø 178 Hole spacing = 6 x equidistant ø 7.5mm holes
Stainless steel flange	RGMP1-SS	Stainless Steel flange 2 ½" BSP External diameter = 203mm Hole centers = ø 178 Hole spacing = 6 x equidistant ø 7.5mm holes
Iron sleeve 2"1/2Gas	RG-TUBE-2.5	Iron sleeve 2 ½" BSP
Stainless steel 2"1/2Gas	RG-TUBE-2.5-SS	Stainless steel sleeve 2 ½" BSP

Examples..

RGMP1

RG-TUBE-2.5

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