



Transitioning the World to a Safer Working Environment

SENSOR JET SAFETY EQUIPMENT



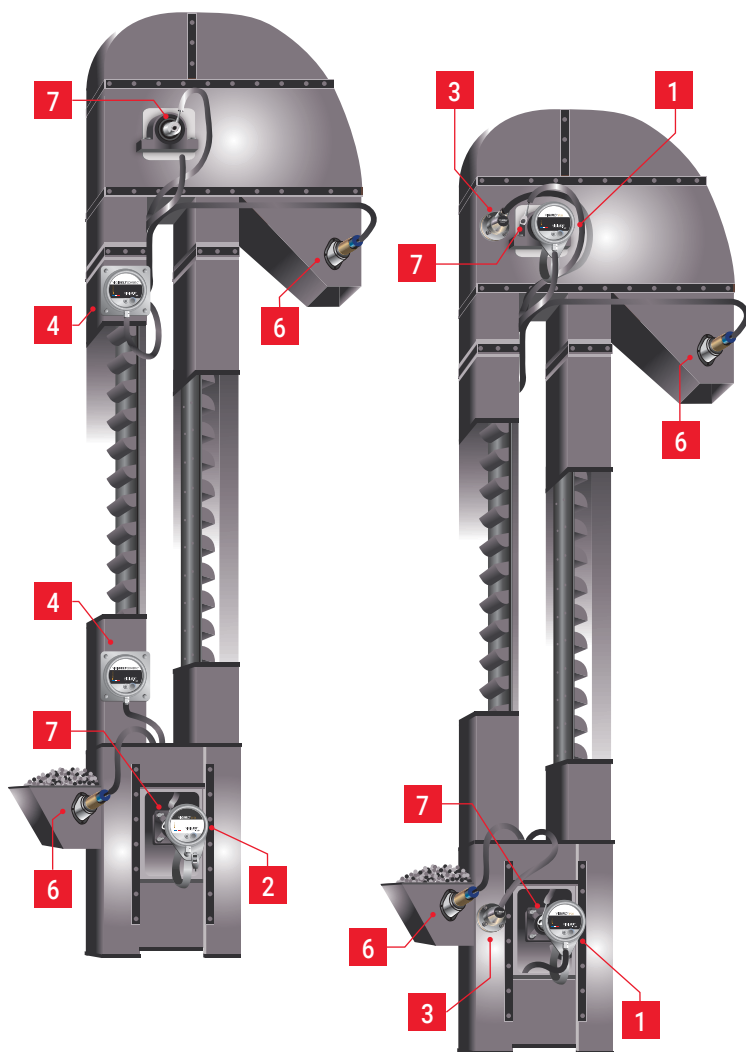
Boss Products is part of the STIF Group listed on Euronext Growth Paris

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SAFETY EQUIPMENT - SENSORJET

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SELECTION GUIDE



UNDER SPEED p.3

- 1** Vigiro IP26
Rotation speed sensor
- or
- 2** Vigiro SV26
Rotation under speed switch



MISALIGNMENT p.4

- 3** Vigibelt Touch
Belt alignment detector by contact
- or
- 4** Vigibelt CDM 80
Belt alignment detector without contact



MOTION CONTROLLER STEEL SUPPORT p.5

- 5** Giro L
Motion controller steel support without inductive switch sensor



LEVEL & CHOKE p.6

- 6** Vigimat DNC 30
Level & choke sensor



TEMPERATURE p.7

- 7** Vigitherm GST 100
Bearing temperature sensor



Under Speed Sensors

VIGIRO IP26®

Rotation speed sensor:

ATEX  (II3D) IP65 T 176°F (80°C)

DETECTION

Integrated inductive detector

- Vmax: 500 rpm
- Operating temperature -4 +140°F (-20 +60°C) ATEX
- Operating temperature -13 +158°F (-25 +70°C) NON ATEX

VIGIRO SV26®

Rotation under speed switch:

ATEX  (II3D) IP65 T 176°F (80°C)

DETECTION

Integrated inductive detector

- 6 to 6000 pulses/min • Vmax: 500 rpm
- Preset under speed setting -33/-20/-11/-6 %
- Operating temperature -4 +140°F (-20 +60°C) ATEX
- Operating temperature -13 +158°F (-25 +70°C) NON ATEX

QUICK FITTING TO SHAFT

- M12 mounting bolt
- Anti-rotation flexible strap



OPTIONAL FEATURES

- Shaft-end mounting: M10
- Propellers: 4 blades

CERTIFICATIONS & STANDARDS

Eligible for the standard 2014/34/UE

EN/IEC 60079-0

IEC 60529

EN/IEC 60079-31



The **VIGIRO IP 26** devices can be connected directly to a central control area, PLC or automate.

Autonomous operation, external monitor not required ; intuitive and easy set up.

	Hood	Voltage	No ATEX 	 ATEX 22
VIGIRO IP26	Metal	12 - 24 V DC		55 CRMI 81250 TE
		24 - 240 V AC/DC	55 CRMI 91253 TE	
VIGIRO SV26	Metal	12 - 24 V DC		55 CRMV 81203 TE
		24 - 240 V AC/DC	55 CRMV 91205 TE	

Cable: 6.56ft (2m)



EAZYFIX

M12 (55 CRAI 44012) Magnet adapter (to avoid tapping) - M8 (55 CRAI 44008)

Misalignment

VIGIBELT TOUCH®

Belt Alignment detector:

ATEX  (II3D) IP65 T 176°F (80°C)

DETECTION

- Integrated inductive detector
- Activated by physical belt contact with the sensor
- Operating temperature -4 +140°F (-20 +60°C) ATEX
Operating temperature -13 +176°F (-25 +80°C) NON ATEX

INSTALLATION

- Installed outside the elevator leg
per PAIR (Supplied with gasket and bolts)
- Casing opening of $\varnothing 2.17"$ ($\varnothing 55$ mm) on the rising leg
- Bolt center to center: 2x2" (51x51 mm)
- Bolt $\varnothing$: M6
- Output: NC



VIGIBELT CDM80®

Belt Alignment detector:

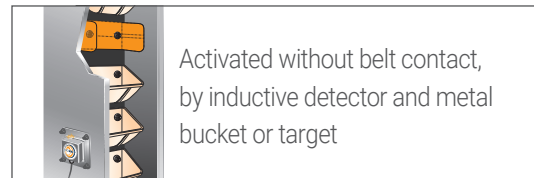
ATEX  (II3D) IP65 T 176°F (80°C)

DETECTION

- Detection distance of: 0.59/0.79/0.98/1.18/1.42" (15/20/25/30/36 mm)
- On request, detection distance can be preset at factory
- Operating temperature -4 +140°F (-20 +60°C) ATEX
Operating temperature -13 +158°F (-25 +70°C) NON ATEX

INSTALLATION

- INSTALLED outside the elevator leg per PAIR
(Supplied with gasket and bolts)
- Square opening of 4.33" (110 mm) on the rising leg



EAZY▶DETECT

Steel target installed in place of a plastic elevator bucket



STANDARDS

Eligible for the standard 2014/34/UE
EN/IEC 60079-0 / EN/IEC 60079-31
IEC 60529

The VIGIRO TOUCH devices can be connected directly to a central control area, PLC or automate.

The VIGIBELT CDM 80 devices can be connected directly to a central control area, PLC or automate.

	Voltage	No Atex 	 Atex 22
VIGIBELT TOUCH	12 - 24 V DC		55 KVT 86012 TE
	12 - 250 V AC/DC	55 KVT 95042 ME	
VIGIBELT CDM80	12 - 24 V DC		55 KDM 88012 TE
	24 - 240 V AC/DC	55 KDM 98032 TE	

Cable: 6.56ft (2m)

Steel Support

GIRO L®

Motion controller steel support

Without inductive switch sensor: ATEX  (II2D) IP65

APPLICATIONS

The GIRO L is a simple and modular device that offers the advantage of being able to accommodate, depending on the application, either an Ø0.18" (Ø18 mm) or Ø1.18" (Ø30 mm) inductive sensor. In its standard version, it is equipped with a 2-blade metal propeller, suitable for most industrial applications. An optional 4-blade propeller is available for applications involving very low-speed rotating shafts.

DETECTION

- Dimensions, inch (mm): 5.94 x 2.56 (151 x 65), Height: 3.03 (77)
- Operating temperature in ATEX zone: -4 +140°F (-20 +60°C)
- Operating temperature outside ATEX zone: -13 +176°F (-25 +80°C)
(depending on sensor temperature range)

INSTALLATION

- Shaft-end mounting: Thread M8 or M12
- Sensor mounting: Ø0.71" (Ø18 mm) or Ø1.18" (Ø30 mm)



OPTIONAL FEATURES

- Shaft-end mounting: M10
- Propellers: 4 blades
- EASYFIX (M8 or M12)

CERTIFICATIONS & STANDARDS

EN 1127-1 / EN IEC 60079-0

ATEX compliance: Suitable for Zone 21

GIRO L	Voltage	 Atex 21
	Shaft in M8	55 CRLS 908910
	Shaft in M12	55 CRLS 912910

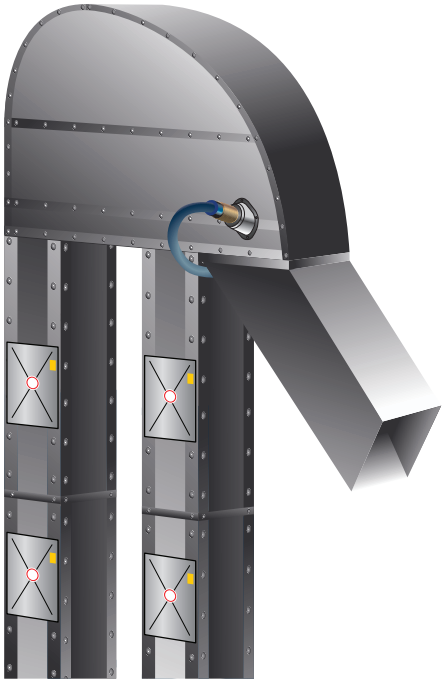
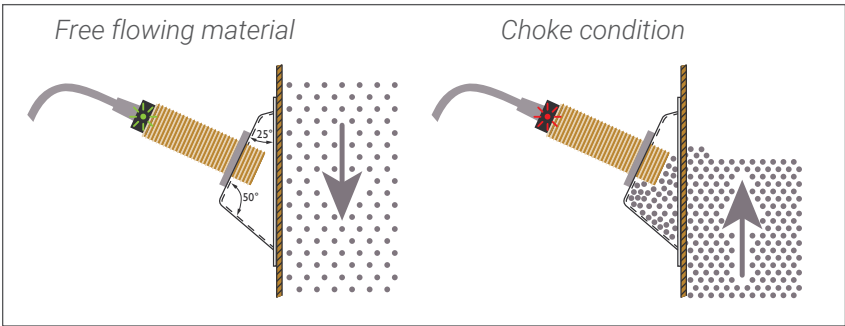
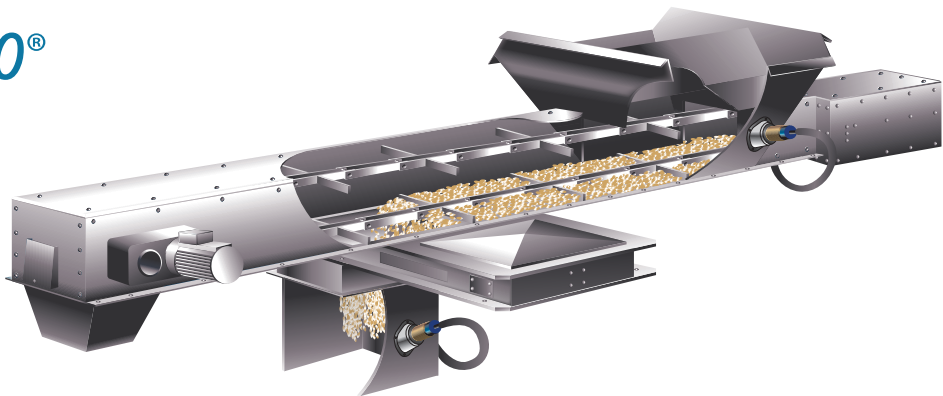
*Different cable length available according to the models

Level & Choke Detector

VIGIMAT DNC 30®

Level & choke detector: APPLICATION

- Level indicator
- Jam capacitive detector



The VIGIMAT DNC 30 devices can be connected directly to a central control area, PLC or automate.

	Voltage	No Atex 	 Atex 22	 Atex 21
DNC 30	12-24 VDC	55DNC 9301 ATS		
	10-30 VDC		55DNC 8300 CIS	
	10-30 VDC			55DNC 7300 RSS
	24-240 VAC	55DNC 9302 ATS		
	20-250 VDC 30-250 VAC		55DNC 8300 DIS	

Cable: 6.56ft (2m)

Bearing Temperature

VIGITHERM GST 100® LG & GST 100® HX

Bearing temperature sensor ATEX 

GST 100 LG



PT 100 CLASS B

Integrated inductive detector

- Rated for ATEX Zone 21, Dust
- Requires connection through an intrinsic safety barrier for use in ATEX zones
- PT100 sensors require connection to an appropriate signal conditioning device
- ¼ inch grease fitting adapter
- Teflon coated and braided cable, 32.8ft (10M)
- Operating temperature: +482°F (+250°C)

CERTIFICATIONS & STANDARDS

Approval type *INERIS 03 ATEX 0096 X*
 Assembly certified
ATEX II 2 GD Ex iaD 21 IP6X T6,T5 or T4

GST 100 HX



PT 100 CLASS B

Integrated inductive detector

- Rated for ATEX Zone 20, continuous dust
- PT100 sensors require connection to an appropriate signal conditioning device
- Lug style terminal for attaching to 1/8 or ¼ inch grease fitting
- Teflon coated and braided cable, 9.84ft (3M)
- Operating temperature: 212°F (100°C) ATEX / 356°F (180°C) no ATEX

CERTIFICATIONS & STANDARDS

Approval type *LCIE 03 ATEX 6088 X*
 Assembly certified *ATEX II1D ta IIIC Da*

The VIGITHERM GST 100 LG and VIGITHERM GST 100 HX devices can be connected directly to a central control area, PLC or automate.

	 Atex 21	 Atex 20
GST 100 LG	55 GST 7100 P	
GST 100 HX		55 GST 7100 J



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ISO 9001 : 2015 Certified Company, Certificate #12373

Raptor Series® Product Line : **RAPTORSeries**

- Raptor Spark Detection and Extinguishing System
- Raptor Gate Heavy-Duty High-Speed Abort Gate
- Raptor Shield (Spark Trap)
- Raptor Breath CO₂ Fire Suppression System
- Raptor Drum Explosion Tested Drum Kit

Raptor X Explosion Suppression : **RAPTORX**

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