

P.O.W.E.R.P.H.A.S.E BP

New from Safeline ... never before available for bulk application systems

GRAVITY FEED



Gravity feed systems detect and reject any metal in bulk, free-flowing granulars such as rice, sugar, pasta and breakfast cereals.

P.O.W.E.R.P.H.A.S.E BP systems are designed to fit on existing pipelines, under feed hoppers or at the discharge of bulk feed conveyors.

The metal detector, throughput pipe and high speed reject valve are mounted in a rigid framework suitable for ceiling suspension. A frame with leveling pads may be supplied for floor mounting. The complete system is sealed to IP65 NEMA 4 requirements.

- Safeline's patented technology permits installation in shorter spaces
- Systems available to meet Class 2, Div. I and Div. II Hazardous environments
- Test and retrieval kit available to permit in-line testing with metal samples

PIPELINE



Pipeline systems inspect pumped liquids, paste and slurry such as meat emulsion, cheese, peanut butter, soup and sauces in a wide range of temperatures and pressures.

P.O.W.E.R.P.H.A.S.E BP pipeline units are offered as a single unit or in a system with metal detector, non-magnetic throughput pipe with metal fittings and reject divert valve mounted in a stainless steel framework.

- Specialized throughput pipes and fittings individually pressure-tested with certificate, if requested.
- Capability to program out interference signals caused by bubbles and voids
- Available in pipe diameters from 1" - 6"
- USDA approved stainless steel design, suitable for clean in place (CIP) and high pressure washdown exceeding NEMA 4X specifications.

ZERO METAL FREE ZONE



Safeline's patented "Zero Metal Free Zone" technology permits installation in reduced spaces. This unit is ideally suited for installation between film / weigher system and vertical form fill seal (VFFS) bagger.

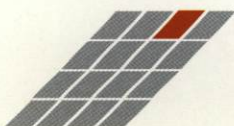
Safeline's ZMFZ design shields the magnetic field from the aperture of the detector, allowing metal components such as conveyors or other packaging equipment to be positioned close to the detector without adversely affecting the performance of the detector.

The ZMFZ is not affected by signals from metallized film, aluminum foil or recycled chipboard packaging.

- Wide range of non-metallic funnels and hoppers for all scale/bagger set ups.
- Available in diameters from 2" - 11"

THE SAFELINE GUARANTEE:

This new technology for bulk product metal detection will outperform all rivals, any model, any brand!



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METAL DETECTION
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P•O•W•E•R•P•H•A•S•E BP

The ultimate in metal detection technology

P•O•W•E•R•P•H•A•S•E BP is a new range of metal detectors for processors who need to meet the ultimate inspection standards in bulk processing.

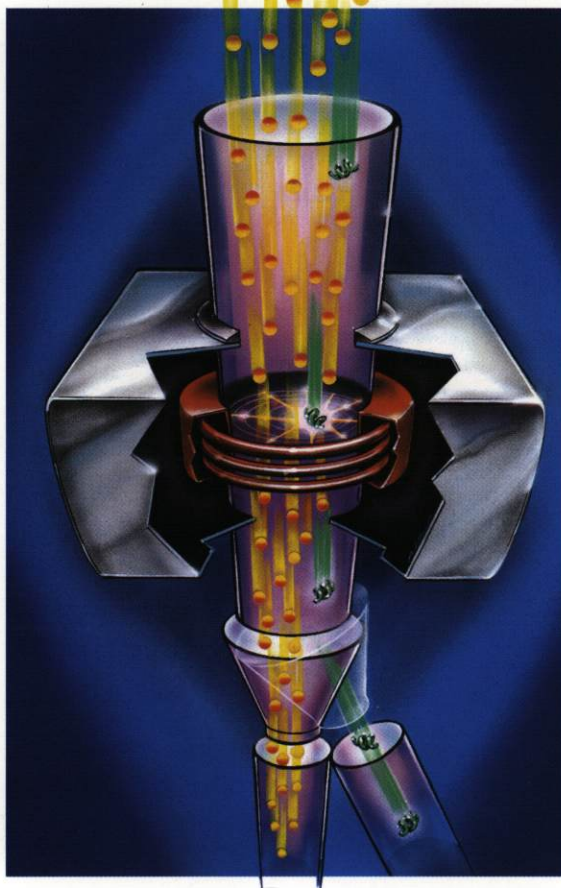
The secret of P•O•W•E•R•P•H•A•S•E BP lies in the completely new design of both the detector coil system and the sophisticated signal processing electronics, resulting in a unique metal detector unrivaled by any other model.

ULTIMATE SENSITIVITY

P•O•W•E•R•P•H•A•S•E BP is unrivaled by any other brand. It uses a variety of novel and innovative techniques in detection coil and signal processing, for enhanced sensitivity, especially to stainless steel, when inspecting conductive products.

VIBRATION IMMUNITY

False rejects and interference from vibration are canceled out completely, even when inspecting the most difficult conductive product.



MULTI-FREQUENCY

Ordinary metal detectors have the operating frequency fixed during their manufacture. P•O•W•E•R•P•H•A•S•E BP scans at different frequencies, depending on the product being checked. During setup, the detector switches to the optimum frequency. For users running multiple products on the same line, one P•O•W•E•R•P•H•A•S•E BP unit can replace two ordinary detectors.

UNIPHASE

The product signal in a standard detector is processed and analyzed to separate it from the contaminant signal. P•O•W•E•R•P•H•A•S•E BP doesn't just filter out the "noise" signals - it eliminates them at the source, in the coil system. Different products, with different product effect signals, may be inspected at the same settings.

P•O•W•E•R•P•H•A•S•E BP zeros in on tramp metal contamination and eliminates it from your product!

PIPELINE SYSTEMS for Liquids and Gels

NEW!



GRAVITY FEED SYSTEMS for Bulk Products

NEW!



ZERO METAL FREE ZONE for Snacks & Bagged Products

NEW!



Safeline
METAL DETECTION