

# RE80®HT LIQUID PRESSURE PIPELINE SEPARATOR

Efficient extraction of metal fragments in liquid food products.



CERTIFIED  
TO  
**+11,000  
GAUSS**



USDA Dairy Accepted models available

The Magnattack® Liquid Pressure Pipeline Magnet is designed to efficiently extract metal fragments from viscous and non-viscous liquid food products.

The system features a single or double set of powerful RE80®HT +11,000 Gauss Magnet Probes which intercept the flow of product and securely retain foreign metal contaminants.

This high-grade magnetic separator can be used for both protection of critical processing equipment and final product safety.

- ✓ Versatile, hygienic, easily cleaned
- ✓ Efficient magnetic separation without leaks, blockages, or distortion
- ✓ Proven successful in numerous installations across Asia Pacific, North America, and Europe



## Key Benefits & Advantages

- Increased foreign metal fragment control & risk reduction
- Increased food safety
- Superior separation efficiency
- Removal of magnetic fragments including fine metal contamination, work-hardened stainless-steel and stone
- Maximum product-to-magnet coverage
- Magnet elements easily removed for cleaning
- Minimised resistance to flow
- 80%+ coverage of product stream
- Proven more effective than conventional Liquid Trap Magnets/Pot Magnets or designs which consist of multiple magnet fingers welded to a lid
- Protection of expensive plant equipment such as pumps, homogenizers, and extruders from damage
- Protection against metal fragment issues, product recall, brand name damage, and customer complaints
- Jacketed designs for heated product lines
- Powered by ultra-high energy RE80®HT Magnetics

"We've had several PPS units in our liquid lines for many years now, in multiple processing plants across the country. They're more effective than the old pot-style magnets, easy to clean, and don't cause any leaks or blockages. Never had any problems with them. Simple, yet very effective."

- QA MANAGER, MULTINATIONAL DAIRY COMPANY.



RE80® Magnetic Separation Solutions for Foreign Metal Fragment Control & Food Safety

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# RE80®HT Liquid Pressure Pipeline Separator

## Installation & Applications

- Incoming product/ingredient intakes
- Prior to critical and expensive processing equipment
- Final product, prior to packing
- Vertical, sloping, and horizontal pipelines
- Suitable for positive pressure and suction lines
- Suits products with lumps to approximately 0.4" (10 mm)
- Inline probe-style models for 1" – 8" (25mm – 200mm) pipelines

## PROVEN EFFECTIVE IN

- |                    |                  |
|--------------------|------------------|
| ✓ Chocolate        | ✓ Dairy products |
| ✓ Sauces & syrups  | ✓ Emulsions      |
| ✓ Soups            | ✓ Beverages      |
| ✓ Viscous slurries | ✓ CIP            |



## MAGNETICS

Powerful RE80®HT High-Intensity Magnetics; uniquely resin encapsulated under high vacuum to maximise strength life and efficiency over time.

## DURA-SLIK® ABRASION-REDUCTION TECHNOLOGY

Dura-Slik® is a special hard densified embedded molecular magnet surfacing designed to reduce excess wear in abrasive applications.



## TESTS AND CERTIFICATIONS

Calibrated gauss meter certificate. Hydrostatic pressure tested to 400 PSI. High-pressure models available. Magnetics and documentation certified by HACCP International. RE80®HT Liquid Pressure Pipeline Magnets fully conform to current industry standards and are designed to HACCP International Food Safety Standard 0909MAGSEP 1-2010.

## MATERIALS

Wetted parts 316 SS (or special alloys for highly corrosive products). Designed and manufactured using only the highest grades of material, suitable for use in food industry applications worldwide.

## SERVICE TEMPERATURES

Product and CIP cleaning temperatures to 302°F (150°C).



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