



MAGNETIC PRODUCTS, INC.
ENGINEERED METAL CONTROL SOLUTIONS

Liquid Plate Trap

Series: LPT



POWERFUL RARE EARTH
PERMANENT MAGNET MATERIAL

OPTIONAL FLANGE INCLUDES
150# OR THREADS



Application

MPI's Magnetic Liquid Plate Traps are designed to protect liquid and scurry lines and pumps by magnetically removing ferrous contaminants from product streams. LPT Magnets provide purification of liquids and tramp metal separation for a variety of wet food processing industries, from fluid and strained products to viscous and heavy fibrous products.

Operation

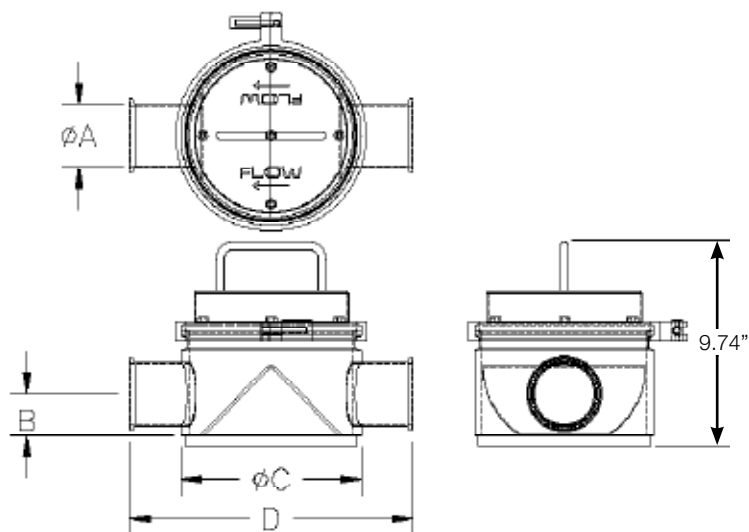
A baffle within the trap line directs the product flow toward the magnetic field, such that ferrous contaminants come into contact with the powerful magnet. The area within the trap is enlarged to slow the product stream and allow increased exposure to the entire magnetic surface. Suggested placement of the trap is in horizontal lines, with the magnet element facing "up" to simplify cleaning. After product flow is terminated, the magnet is easily cleaned by removing the tri-clover clamp, lifting the magnetic element and hand-cleaning the surface.

**Specifications subject to change*

Series LPT Version 2.0 © MPI

MPI

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LPT Selection Guide

| LPT MODEL NUMBER | PIPE DIAMETER A | | CENTERLINE HEIGHT B | | BASE DIAMETER C | | LENGTH D | | APPROX. WEIGHT | |
|------------------|-----------------|----|---------------------|----|-----------------|-----|----------|-----|----------------|----|
| | IN. | MM | IN. | MM | IN. | MM | IN. | MM | LBS. | KG |
| LPT-15 | 1.5 | 38 | 2.00 | 51 | 7.78 | 198 | 11.50 | 292 | 17 | 8 |
| LPT-20 | 2 | 51 | 2.00 | 51 | 7.78 | 198 | 11.50 | 292 | 17 | 8 |
| LPT-25 | 2.5 | 64 | 2.00 | 51 | 7.78 | 198 | 13.50 | 343 | 30 | 14 |
| LPT-30 | 3 | 76 | 2.00 | 51 | 7.78 | 198 | 13.50 | 343 | 30 | 14 |

Capacities

| LPT MODEL NUMBER | PRODUCT CLASSIFICATION | | | | | | | |
|------------------|------------------------|-----|-------------------|-----|-------------------|-----|--------------------|-----|
| | FLUID & STRAINED | | FIBROUS & CRUSHED | | VISCIOUS OR HEAVY | | VISCIOUS & FIBROUS | |
| | GPM | LPM | GPM | LPM | GPM | LPM | GPM | LPM |
| LPT-15 | 65 | 245 | 50 | 189 | 25 | 94 | 15 | 57 |
| LPT-20 | 65 | 245 | 50 | 189 | 25 | 94 | 15 | 57 |
| LPT-25 | 140 | 528 | 90 | 339 | 60 | 226 | 35 | 132 |
| LPT-30 | 140 | 528 | 90 | 339 | 60 | 226 | 35 | 132 |

Standard Features

- Type 304 stainless steel sanitary design and liquid tight construction
- Quick-release triclover clamp for easy inspection and cleaning
- For use in product streams up to 75 psi
- Available for line sizes from 1.5" to 3"

Options

- Other line connection types available: bevel seat, pipe thread, or weld ends
- 316 stainless steel
- USDA finish

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