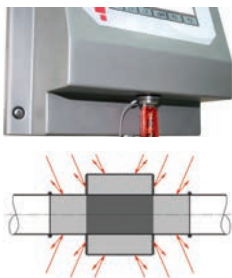


Metron 07 powerLine

METAL DETECTION

HIGH-SENSIVITY METAL DETECTOR FOR THE EXAMINATION OF FREE-FLOWING BULK MATERIALS IN PNEUMATIC CONVEYING PIPES AND IN FREE FALL.

Reliable *in Process and Detection*
Durable *in Technology and Performance*
Easy *in Installation and Handling*

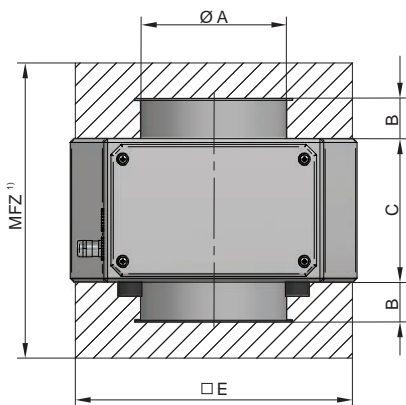


Hygienic Design without dead spots
 PowerLine concept for absolute noise immunity
 Totally shielded against external noise
 Process and condition monitoring
 No sensing tube, no static discharges
 Sensor head fully sealed
 Network connectivity and data management
 Password protected user management
 Tubing, hoppers or connecting flanges made from metal can be directly connected to the Detector coil (for example with a quick connect clamp). Metal-free zone is not required in this case.
 Compliant with quality surveillance rules according to HACCP, IFS, BRC, SQF.

Applications

Quality inspection
 (to meet the requirement of ISO 9000, HACCP, IFS, BRC, SQF)
 Machinery protection

Metal Free Zone (MTZ)



Calculating the 'metal free zone' DN 50 - DN 200

For Non-moving Metals
 $MFZ = 2 \times B + C + 50\text{mm}$

Calculating the 'metal free zone' DN 250 - DN 300

For Non-moving Metals
 $MFZ = 2 \times B + C + 100\text{mm}$

Position the detector in the middle of the 'metal free zone'
 For the other dimensions: position the detector symmetrical in relation to