



# PROTECTOR-XHT 80

High-temperature version up to 200 °C  
Metal separator for extruders, injection-moulding and blow-moulding machines

- Detects and separates magnetic and non-magnetic metal contaminations even if they are embedded in the product
- Reduces costs caused by mould / machine damage and production losses
- Guarantees product quality
- Protects against complaints
- Amortises in a very short time



- Highest scanning sensitivity for all metals and highest possible interference immunity against vibration and electromagnetic pollution
- High-temperature version, suitable for material temperatures up to 200°C
- The metal separator guarantees a reliable, reproducible function even in case of high regrind contents (dust)
- The new P-Scan-RP detection system detects smallest metal particles both in free fall and in a slow-moving material column with lowest conveying speeds.
- Product compensation with auto-teach function or manual setting. Product compensation can thus be individually matched to the product (in conventional systems this setting cannot be changed or can only be changed with great difficulties).
- Pre-set operating parameters provide outstanding ease of operation
- Minimum loss of good material due to "Quick-Slide-Gate-Valve" separating unit
- Adaptor plates (option) for various brands of material conveyors / machines are available



## Function:

Frequently even smallest metal particles in the molten plastic are the cause of expensive malfunctions in injection-moulding, extruding, and blow-moulding. The content of such metal contaminations increases with the growing use of regranulates and regrinds. Choked nozzles, filters, and hot-runner systems often enough lead to production losses, downtimes, and delayed deliveries.

The PROTECTOR-XHT 80 metal separator is installed directly above the material inlet of an injection-moulding machine, extruder, or blow-moulding machine respectively after the dryer.

It detects all magnetic and non-magnetic metal contaminations (steel, stainless steel, aluminium, ...) – even if such contaminations are embedded in the product. Metal contaminations are separated by means of the separating unit ("Quick-Slide-Gate-Valve").

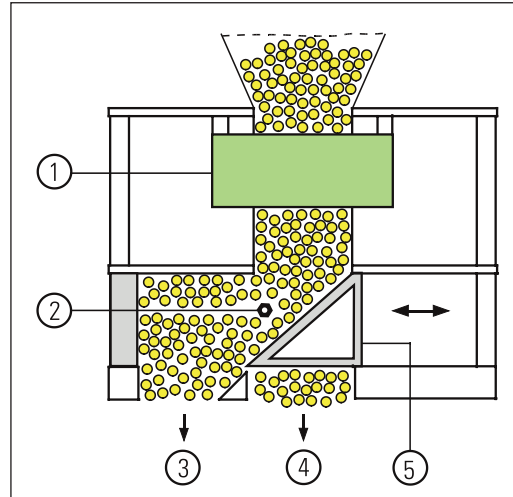
## Scope of Delivery:

- Metal separator with remote Control Unit PRIMUS

## Accessories / options:

- Optical and acoustical signalling devices
- Digital detection counter
- Button for manual ejection
- Button for function test
- S+S adaptor plate system
- EXTRACTOR magnet separator
- UL/CSA certificate

## Function chart:



1) Detection coil    2) Metal contaminant    3) Reject outlet  
4) Good material outlet    5) Separating slide

## Typical fields of application::

- Plastics-processing industry, especially production of preforms

## Used for:

- Mould and machine protection for extruders, injection-moulding and blow-moulding machines