



PROTECTOR-HR 40

High-resolution version

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



- Extremely high scanning sensitivity for all metals and highest possible interference immunity against vibration and electromagnetic pollution
- The metal separator guarantees a reliable, reproducible function even in case of high regrind contents (dust)
- Metal contaminations are separated into a closed collecting container through a 2 m spiral tube (option)
- The space-saving, compact system design guarantees quick installation
- Adaptor plates (option) for the quick installation of various brands of material conveyors are available
- Pre-set operating parameters provide outstanding ease of operation
- Minimum loss of good material due to "Quick-Valve" separating unit and Venturi nozzle



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. Chocked nozzles, filters, and hot-runner systems often enough lead to production losses, downtimes, and delayed deliveries.

The PROTECTOR-HR 40 metal separator is installed directly above the material inlet of an injection-moulding machine, extruder, or blow-moulding machine.

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-Valve").

Scope of Delivery:

- Metal separator with remote Control Unit SENSITY

Accessories / options:

- Optical and acoustical signalling devices
- Digital detection counter
- Compressed-air monitor
- System version for bulk material temperatures up to 140° C
- Collecting container for reject material
- Adaptor plate system
- SAFEMAG magnet separator
- UL/CSA certificate

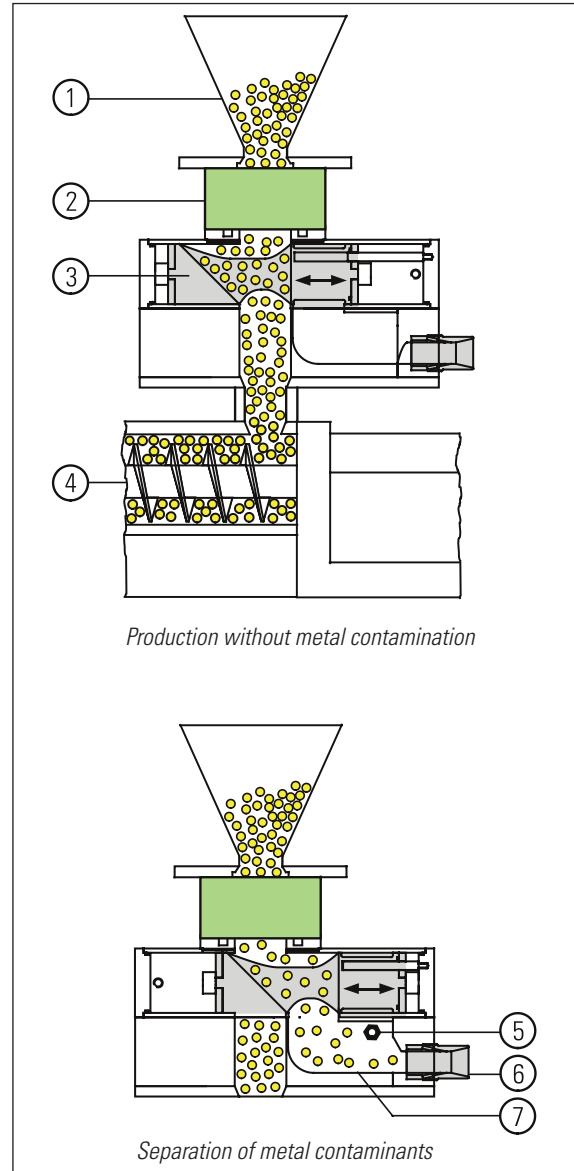
Typical fields of application:

- Plastics-processing industry

Used for:

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

Function chart:



- | | |
|------------------------|-----------------------|
| 1) Material hopper | 2) Detection coil |
| 3) Separation unit | 4) Converting machine |
| 5) Metal contamination | 6) Venturi nozzle |
| 7) Reject outlet | |

If you need more detailed information ask for our technical data sheet or a discussion with our experienced S+S sales team.