



## ACCSX™ Series – Accessory Filtration Excellence

### Built to Support. Engineered to Last.

#### ACCSX-MAGSEP™ – Magnetic Separators Product Highlights

Filtracore Asia's **ACCSX-MAGSEP™ Magnetic Separators** are designed to **protect** critical equipment, **reduce unplanned maintenance**, and **lower total cost of ownership** in liquid processing systems.



Installed upstream of pumps, valves, heat exchangers, and filtration stages, ACCSX-MAGSEP™ units mitigate ferrous contamination risks that lead to downtime, premature wear, and avoidable MRO spend.

All ACCSX-MAGSEP™ units are supplied as **easy-clean, quick-release extractor-type magnetic separators**, allowing the complete magnetic rod assembly to be withdrawn rapidly for inspection and cleaning. This supports fast, predictable maintenance, reduced labour hours, and minimal production disruption during routine servicing.

The **ACCSX-MAGSEP™** family comprises three industry-standard geometries: **ACCSX-MAGSEP-IL™ inline (T-type)** separators for continuous axial flow, **ACCSX-MAGSEP-CH™ chamber-type** separators for increased residence time, and **ACCSX-MAGSEP-DRW™ drawer-type** separators for gravity-fed or free-flowing streams. Each geometry is available in **sanitary** and **industrial** configurations, enabling fit-for-purpose selection without proprietary formats or vendor lock-in.



Magnetic assemblies utilise **rare-earth neodymium (NdFeB) magnets** in controlled grades (N35, N42, or N52), selected based on application requirements. **Sanitary configurations** are manufactured using **SS316L wetted components**, hygienic **Tri-Clamp, SMS, or DIN** connections, and **TIG-welded, crevice-controlled** internal geometries, with **food-contact-compliant material options** available to meet **FDA 21 CFR** and **EU Regulations (EC) 1935/2004 and 10/2011**, where specified and documented.

***Protect. Simplify. Reduce Downtime.***

## Applications - ACCSX-MAGSEP™ – Magnetic Separators

FiltraCore Asia's **ACCSX-MAGSEP™ Magnetic Separators** are deployed across a wide range of liquid-processing and process-protection environments where ferrous contamination can damage equipment, increase maintenance frequency, or compromise process stability. Typical uses include:

- **Food and edible oil processing lines** – upstream ferrous capture to protect pumps, valves, and downstream filtration stages
- **Viscous liquid handling** – oils, syrups, resins, and similar products where metallic debris accelerates wear
- **Chemical and specialty fluid processes** – protection of process equipment and control components from ferrous contamination
- **Water and wastewater treatment systems** – interception of metallic debris prior to sensitive equipment
- **General industrial liquid handling** – robust magnetic separation for asset protection and maintenance cost control



## OEM Compatibility & Replacement Cross-Reference

### ACCSX-MAGSEP™ Magnetic

**Separators** are designed in line with **industry-standard magnetic separator geometries and interfaces**<sup>1</sup>. When specified to equivalent dimensional, material, and operating parameters, ACCSX-MAGSEP™ units may be supplied as **drop-in replacements or functional equivalents** for existing magnetic separators, subject to verification of interface, pressure rating, and application requirements.

This enables **low-risk vendor switching**, simplifies spares strategy, and avoids proprietary dependence.

## Ordering Information - ACCSX-MAGSEP™ – Magnetic Separators

- Product Family: **ACCSX-MAGSEP™ – Magnetic Separators**
- Separator Geometry:
  - **ACCSX-MAGSEP-IL™** – Inline (T-type)
  - **ACCSX-MAGSEP-CH™** – Chamber-type
  - **ACCSX-MAGSEP-DRW™** – Drawer-type
- Design Type: Easy-clean, quick-release extractor-type
- Magnet Material: Rare-earth neodymium (NdFeB)
- Magnet Grades: N35 / N42 / N52 (application-optimised)
- Wetted Materials (Sanitary): SS316L
- Wetted Materials (Industrial): SS304 or SS316
- Connections (Sanitary): Tri-Clamp, SMS, DIN hygienic fittings
- Connections (Industrial): ANSI / EN flanges or threaded connections
- Seal Options: EPDM, FKM, Silicone; FDA/EU food-contact-compliant options available
- Verification: Calibrated gauss verification at defined rod and sleeve inspection points; documentation supplied
- Configuration Options: Geometry, magnet grade, materials, connections, seals



## Key Features – ACCSX-MAGSEP™

- **Easy-clean, quick-release extractor** design for rapid maintenance
- **Reduced downtime** and **predictable servicing** intervals
- **Rare-earth NdFeB magnets** with controlled grade selection
- **Documented gauss verification** at defined, repeatable inspection points
- **Sanitary and industrial configurations** aligned to duty requirements
- **SS316L wetted construction and crevice-controlled TIG welds** for hygienic service
- **Inline, chamber, and drawer geometries** to suit different process layouts

<sup>1</sup> Magnetic separators are intended to reduce ferrous contamination risk and do not guarantee complete removal of all metallic particles. Performance is influenced by flow velocity, fluid viscosity, magnetic exposure time, particle size, and system geometry. Food-contact-compliant configurations are available upon request and depend on material selection, surface finish, and seal specification. Final suitability and compliance must be confirmed at time of order.

Compatibility references relate to general geometry and installation practice. Mechanical interchangeability is not guaranteed; dimensional and operating conditions must be verified prior to retrofit.

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