



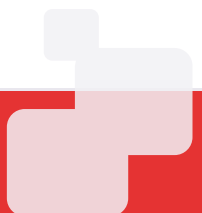
## Ruby™ Pro AMH System Circulation system

Sorting out returned library materials by manual labor is time consuming thus costly for libraries. The Ruby™ Pro AMH (Automated Materials Handling) System is the perfect solution to automate the return process.

### Architecture

Born out of intensive research and rich experience, the Ruby™ Pro AMH System is a sophisticated solution that can be equipped with indoor return points or the Sapphire™ 24/7 Bookdrop. The system's modular architecture allows for the design of 2, 3, 5, 7, etc., sorting positions, providing a high degree of flexibility and adaptability. Each sorting position requires a custom-designed sorting bin tailored

specifically to the task at hand. Each bin features a moving bottom that safeguards materials from falling excessively, thereby reducing the risk of damage while still maximizing content capacity. Crafted from lightweight aluminum, these bins offer maximum handling flexibility.



# Ruby™ Pro AMH System

## Circulation system

### Front System

The Ruby™ Pro indoor return point or the Sapphire™ 24/7 Bookdrop is designed to recognize library materials, be it books or AV materials, equipped with an RFID tag, thereby triggering the opening of the hatch. The user-friendly Light Indication System (LIS) seamlessly guides users throughout the return process.

### System details

The Ruby™ Pro optimizes the handling of returned materials in a swift and user-friendly manner, boasting a capacity to seamlessly process up to 1500 materials per hour. The system's modular design allows each module to accommodate 2 or 3 sorting bins, with modules daisy-chained to include an additional 2 sorting positions per module.

Thanks to the fully enclosed 2-belt system, as opposed to traditional rollers and straps, the modules can flawlessly handle even the smallest or thinnest magazines or books. To keep library staff informed, blue indicator lights provide real-time updates on sorter operation status and bin load levels.

### Advantages:

- Advanced RFID technology enhances the accuracy and speed of material processing, significantly improving inventory management and user experience
- Capable of processing up to 1500 materials per hour, this feature greatly increases operational efficiency
- The energy-efficient design ensures reduced power consumption
- Crafted from aluminum and stainless steel, the design offers a perfect blend of durability and modern aesthetics
- The in-wall mounting option saves valuable floor space
- Supports LMS/ILS protocols SIP2 and is data model independent, ensuring seamless integration with a wide range of library management systems
- And more!

### Applications:

- Loss prevention and inventory management in libraries.



Round Bookdrop



Square Bookdrop



2-Belt system

# Ruby™ Pro AMH System

## Specifications

### Features

Advanced RFID technology	●	Aluminum and stainless steel	●
Process up to 1500 materials per hour	●	In-wall mounting	●
Energy efficient	●	Supports LMS/ILS protocols SIP2 and is data model independent	●

● Included ○ Optional

### Technical specs

Category	Brand new
Ground surface	750 x 500 mm (each module)
Air supply	None
Theoretical capacity	1500 items / Hr.
Compatibility	13,56 MHz, ISO 15693 / ISO 18000-3 mode 1
Software	Software is delivered pre-installed and pre-configured. Supports LMS/ILS protocols SIP2 and is data model independent.
Network	1 x 10/100 MB RJ45
Operating system	Sigmatek OS
Weight	50 kg (each module)
Material	Aluminum and stainless steel
Service	Dedicated VPN connection
Energy	The bin sorter is designed to be very energy efficient. In standby it uses 40 watt per module.
Mounting/ installation	In-wall mounting
Standards / certification	CE / EMC Compliant, EN 1050-1 Compliant
Electrical supply	Depends on the number of modules
Max 450 Watt / module Standby	40 Watt

### Maximum item dimensions

Height	400 mm
Width	400 mm
Thickness	65 mm

### Minimum item dimensions

Height	100 mm
Width	80 mm
Thickness	3 mm

### Product reference

SKU	RFID-RPAMH-N
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With over 25 years of experience, APTQ specializes in electronic systems in Canada. Our team offers a range of quality products for loss prevention, inventory management, and cross-selling. We provide the best technologies available on the market, combined with our recognized expertise in the field, to ensure an optimal experience in every respect.

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