FLSMIDTH CEMENT

Manual Station

QCX® PTR101 MANUAL SINGLE-POSITION RECEIVING STATION

The PTR101 Manual receiving station receives carriers with sample material via a connected pneumatic transport tube system, and is also capable of returning carriers to the sending station. It's simplicity means it can be a valuable asset in both automated and manual labs.

The PTR101 Manual receiving station works well as a standalone resource. Even in an automated lab, it can act as an additional receiving station for samples that are processed manually, like coal dust, to avoid cross contamination and to reduce the load on automatic receiving stations. This also contributes to faster turnaround for sampling and analysis in busy operations.

It may also fill the gap when automatic receiving stations are down for maintenance or when samples from different sampling points are being rotated. The manual receiving station can be integrated with the RoboLab.

Ultimately, the PTR101 Manual receiving station offers a cost efficient solution, reducing the need for operators to go to sampling points.

ADVANTAGES

- **Simplicity**: as a single-position receiving station, the PTR101 Manual receiving station is uncomplicated and easy to integrate into your operation.
- **QCX integration**: the manual receiver benefits from easy connectivity to automatic sample preparation systems.
- **Robustness**: built strong for reliability and this is a productive manual receiving station that gives you high availability.

SIMPLE HANDLING OF SAMPLES IN MANUAL LABORATORIES

How it works

The PTR101 Manual receiving station is connected to the automatic pneumatic tube transport system via a pipe at the top. Part of the receiving station is a manual carrier opening and closing system. An operator removes the carrier from the station where it is opened, emptied, closed and returned to the sending station.

Possible configuration

The PTR101 Manual receiving station can be seamlessly integrated with components of automatic transport systems, particularly the QCX suite, including tube transport, and the carrier opener accessory. Automation improves safety through reduced handling and refines quality control through the addition of time stamps on sending samples.

Specification

Type of carrier	Long (122664) / optional short (107566)
Power supply	24 Vdc; 20 W
Compressed air supply	0.6 – 1.0 MPa (Quality 2.4.2 as per ISO 8573-1)
Operating conditions	Temperature: -10°C to 40°C Humidity: 0 – 100 %
Weight	93 kg (with tubes)
Dimensions (W x D x H)	750 x 450 x > 1,650 mm

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