



Qlar

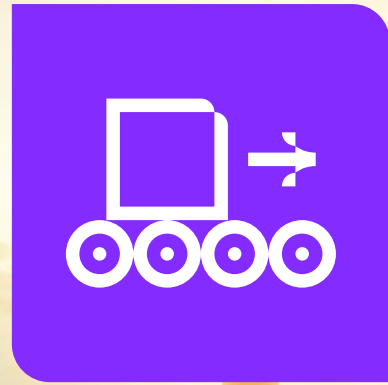


Rail sanding solutions

Proven technology,
improving your operational efficiency

Three stylized, overlapping geometric shapes in a light blue color, arranged in a circular pattern, representing a circular process or transformation.

Driving **circular**
transformation



About Qlar

Qlar is a leading supplier of pneumatic conveying, pneumatic injection and valve solutions for a wide range of process industries. In addition, the company has the technology and expertise to develop groundbreaking solutions worldwide.

Our philosophy is based on ...

- continuous product development
- best practice approach to applications
- raising industry standards

Capabilities

- Single machine
- Multiple machines
- System solutions
- Installation and commissioning
- Plant layout and integration
- Engineering and contract management
- Professional customer service approach

Industries

Power, coal, steel, cement, mineral, chemical, particle board, recycling, railway, ports, waste water treatment

Technologies

Weighing, feeding, conveying, automation



Efficient and smooth maintenance processes

Sand handling road and rail

Rail and tram operators, irrespective of their location in the world are the subject of ever increasing commercial pressures for profitability, vehicle availability and reductions in operating costs, whilst ensuring complete passenger safety and satisfying the demands from regulators.

As operators strive to create services that meet these requirements it is becoming evident that efficient maintenance processes and procedures are essential to meet these needs and ensure that disruptions are minimised.

The maintenance of vehicles often involves replenishing onboard sand boxes, which are used to improve vehicle traction in slippery or wet weather conditions and can act as an aid in braking from high speeds.

However, sand handling is a commonly recognised problem within the rail and tram industry due to the time absorbed in manually handling bags of sand to fill empty sand boxes, coupled with spillages and material waste that can impact on environmental and health and safety regulations.

Sand handling systems



Qlar Pneumatic Conveying UK Ltd, formerly Schenck Process UK Ltd, has developed both fixed and mobile sand handling systems in response to the commonly recognised problems associated with sand box filling within the rail and tram industry including manual handling bags of sand and material spillage.

The fixed sand filling system

- Operated by a petrol pump style nozzle used for depot maintenance schemes
- Eliminates the need for manual lifting and complies with health and safety requirements

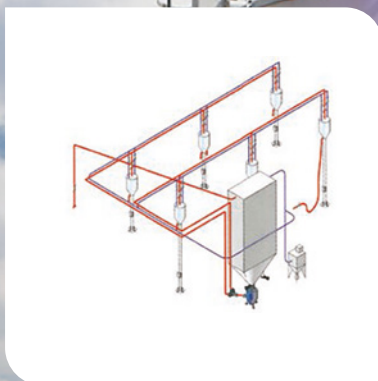
The mobile SandPiper unit

- Available as a motorised driver "sit-on" type or motorised pedestrian type
- Ideal for low usage rail and tram depots

Both systems advantages:

- Eliminates the need for manual lifting
- No spillage or waste
- Keeps sand in a dust and moisture free state
- Promotes a cleaner environment
- Complies with health and safety requirements

The SandPiper unit is designed to provide a mobile, flexible, non spill, dust free system and is simple to operate, reducing manual handling and material spillage associated with train sand box filling.



The SandPiper mobile sanding unit

- SandPiper mobile sanding units come in two variations
- There is the motorised operator “sit-on” type unit and the motorised pedestrian type where the operator walks in front of the vehicle steering the unit
- Both units are powered by an electric motor and battery pack which are supplied as part of the vehicle and are an element of the standard features package
- One of the SandPiper’s many safety features includes a regenerative braking system to provide safe and effective braking on inclines of 1:10 and emergency braking
- Designed to carry 300 kg or 500 kg
- The “sit-on” type is designated with a “V” suffix and the pedestrian type with a “P” suffix

The specification of the unit is as follows:

- Sand filling method: 25 kg sacks, IBC or bulk storage silo (not included)
- Sand storage vessel: 0.20 m³ (300 kg of sand) and 0.33 m³ (500 kg of sand)
- Throughput: 10-15 kg/min
- Compressor: 24 V DC 2 litres x 1.0 kW 6 barg (including 11 litres air receiver)
- Vent filter: 24 V DC 0.3 kW
- Sand nozzle: 4 m of 25 mm dia of heavy duty flexible hose with non-spill cut off nozzle
- Driver panel: Driver control panel for operation and status indication

- Each dispensing point transfers sand into the sand box using a petrol pump style nozzle. The nozzle is placed into the sand box inlet, and the sand flow control valve is opened.
- Sand is transferred under pressure with dust emission eliminated by a simple exhaust system.

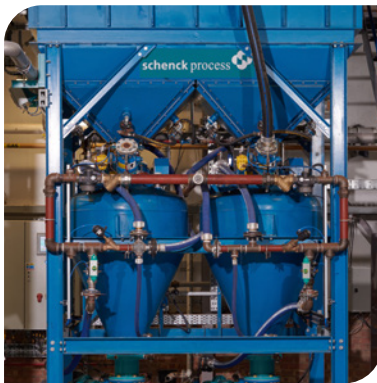
- When the sand box is full the action of the sand covering the nozzle outlet automatically stops the sand flow.
- The sand flow control valve is closed before the nozzle is withdrawn and stored in the holster.



Solutions for your individual requirements

Conveying, elevating,
feeding, weighing, mobile
hoppers, silo discharge,
intake and transfer,
storage solutions

Bulk materials handling and storage



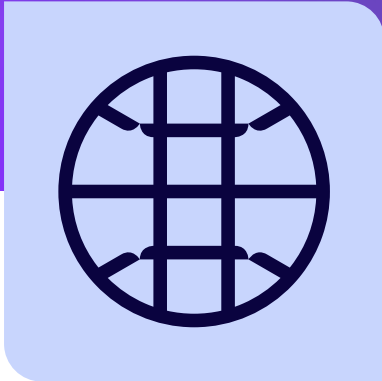
Dense Phase Conveying

- Enclosed conveying system reducing dust emission
- Long life robust design
- Worldwide installation history
- Long distance and high tonnage rates
- ATEX compliant designs



Dilute Phase Conveying

- Modular design with tool free maintenance procedures
- Minimal dust emission
- Hygienic applications
- Customised solutions available
- ATEX compliant systems



Global company Local support

About us

The German-headquartered Schenck Process is taking the lead in climate-neutral material transformation processes. Guided by its aspiration “the future is cirQlar”, Schenck Process rebranded to Qlar on 13 May 2024, extending its focus on digitally enabled and sustainable solutions.

Offering 140 years of unrivalled experience in material handling and processing, our teams stretch outside the UK, supporting customers worldwide – whilst also offering insights and capabilities for you to leverage. For businesses with multiple global locations, you can expect the same premium level of support and expertise, no matter the whereabouts.

In addition to Qlar technologies and services, our offering and capabilities is broadened through dedicated brands, which we have continued to innovate and invest in.

Let's make your processes work

We are the global partner who lives your process challenges with you. Our passion for always going the extra mile to deliver the best solutions means there's nothing we can't solve together.



Have you got a challenge for us? Scan the QR code to contact us.

Qlar



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Still questions? Contact us:
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11.24 - All information is given without obligation.
All specifications are subject to change.

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