

QUICK COUPLING (642 series) – OPERATING INSTRUCTIONS

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Introduction

- These instructions apply to series **642** quick connectors, also referred to below as quick connectors.
- Read the instructions completely before using our products to prevent injuries, material damage and malfunctions! - Save the instructions for later reference.
- All rights including copyright and industrial property rights are explicitly reserved.

Special Hazards

- It must be ensured that the connector is resistant for the media and temperatures that will be used. The resistance of the connector with aggressive media is not guaranteed. The person ordering the connector is responsible for checking for the specific application.
- Always comply with the safety data sheets or the safety requirements for the media you are using!
- Before removing the connector, it must be ensured that there is no more medium in the tube system and the pressure has completely dissipated. Exercise caution for hot media residue flowing out of the line or remaining in dead spaces.

General Safety Instructions

- The connector must be properly connected to the tube system.
- Before installing the connector make certain that external mechanical effects such as thrust and bending forces are not acting on the tube system.
- Installation, operation, maintenance, troubleshooting and disassembly must only be performed by qualified specialists with due consideration of accident prevention regulations. Personnel must be capable based on their technical training and experience of performing assembly tasks, following technical specifications and recognizing possible dangers. - Personnel with deficient knowledge must be trained and instructed.
- Areas of responsibility and responsibilities must be precisely regulated and personnel must be monitored.

These safety instructions do not take into consideration any:

- Coincidences and events that could occur at the customer location during assembly, operation and maintenance.
- Local safety requirements, for which the operating company is responsible to ensure compliance, including assembly personnel who are used.

Designated Use

- The connector must only be operated within the permitted usage ranges for pressure and temperature.
- Only the operating media named in the documentation are permitted to flow through the connector.
- The connector must only be operated if it is in flawless technical condition.
- The connector must not be operated if it is in partially assembled condition.
- If other operating modes are not named in the documentation, they must be approved with the manufacturer.

Operating Medium

- Liquid media that do not negatively affect the physical and chemical properties of the relevant housing and sealing material (i.e. water).
- If you have questions about resistance, please contact **OMB Saleri S.p.A.**
- The maximum permitted operating pressure is = **5 bar**.
- The maximum permitted operating temperature is = **+70°C**.

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Assembly Instructions

- It must be ensured that the nipple and coupling fit together.
- Ensure the suitability of the quick coupling for the ensure the suitability of the quick coupling for the respective application. The quick coupling must be suitable for the operating conditions of the hose system (medium, temperature, pressure and hose material) as well as the respective ambient conditions.
- Check the quick connector for transport damage before installation. Do not install a damaged quick connector.
- The planner, the construction company or the operator are responsible for the positioning and installation of the quick coupling. Planning errors and installation errors may impair the safe function of the quick connector and represent a considerable potential hazard.
- After installation of the quick connector, carry out a tightness and function check.

Coupling the Quick Connector

- The coupling and nipple are connected by simply pressing the nipple into the coupling. Make sure that the nipple is pushed into the defined stop.
- An audible “click” will be heard.
- Pull on the nipple to check whether the locking mechanism has engaged correctly.

Decoupling the Quick Connector

- To disconnect the quick connector, the sleeve of the coupling must first be pushed back (push in the opposite direction to the nipple).
- When the sleeve is at the stop, the nipple can be pulled out of the coupling.
- Make sure that there is a small volume ($\leq 1\text{cm}^3$) between the valves during decoupling, which escapes during the process.

Maintenance

- When used as designated, the connector is practically wear-free and generally requires no maintenance.
- The operating company must perform regular visual inspections of the connector according to the operating conditions to prevent leaks and damage.

Disposals



To protect the environment, our products may not be disposed of along with household waste.
The product must be disposed of via a local collection station or a recycling station.

	Coupling the hose system
	Audible “click”
	Decoupling the hose system