GPC U10

CHARGING STATION



TRAINING APPLICATIONS

- **Charging process engineering pilot plants**
- **Storage and provision of the necessary liquids for practical work (solvents, acids, bases)**
- **Filling the vessel by vacuum transfer**
- **Precise dosing using a control valve and electronic weighing scale**

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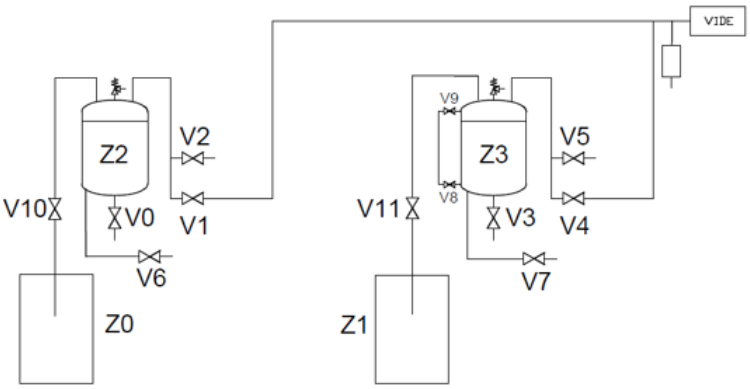
Illustrations are for reference only. Version: FT-REF_MACHINE-CONTEXTE-GB

GPC U10

OPERATING PRINCIPLE

The GPC U10 rig transfers chemicals from bulk containers into two vessels, one glass and one stainless steel, for more controlled handling.
The bulk chemical containers are placed close to the rig. Chemicals are transferred into the vessels using a suitable set of stainless steel valves for each vessel and a vacuum pump providing suction.
The robust design of this equipment makes it particularly suitable for use in educational environments.
Its anodised aluminium frame on castors provides excellent strength and great flexibility for installation on your premises.
This equipment is manufactured in accordance with the European Machinery Directive.

Illustrations



Technical specifications

Cylindrical stainless steel vessel:
- 1 vessel made of 316L stainless steel, volume 25 L:
- 1 top connection to the vacuum transfer system.
- 1 top connection for the transfer hose immersed in the containers.
- 1 bottom connection for the drain valve.
- 1 side-mounted liquid level sight tube.
- 1 discharge line with control valve.

Graduated cylindrical glass vessel:
- 1 borosilicate glass vessel, volume 20 L:
- 1 top connection to the vacuum transfer system.
- 1 top connection for the transfer hose immersed in the containers.
- 1 bottom connection for the drain valve.
- 1 discharge line with control valve.

Balances:
Two scales with stainless steel platforms, each with a capacity of 60 kg.
- 1 spill containment tray with drain valve below the station.

Circuit:
Complete vacuum circuit with vacuum pump, vacuum isolation valve, vacuum breaker valve and vacuum trap.
Flexible PTFE and stainless steel pipework.

Installation requirements

- Power supply: 230 VAC – 50 Hz – 16 A
- Type of power supply : 1 phase + Neutral + Earth
- Dimensions (L × W × H, mm): 1250 x 620 x 1460
- Weight (kg): 155

Note: If the equipment is installed by our team, all utility connections must be located within 2 m of the machine.

Documentation

- Instruction manual
- Technical file
- CE certificate of conformity

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ENGLISH TRANSLATION OF ILLUSTRATION TEXT

The original diagrams, photographs and software screens are retained. The English text below provides the corresponding technical information and labels.

Process diagram

VIDE = VACUUM. The valve and component reference numbers are unchanged.

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