

MAN PSC

Power, safety, and control system

MAN PSC enables high availability and safe operation of gas processing plants and auxiliary systems. The containerized unit includes all equipment and functionalities needed for power supply, safety, control and maintenance.

Benefits at a glance

- Complete system in one unit
- Safe operation and maintenance
- Fast installation and easy start-up
- Remote operation

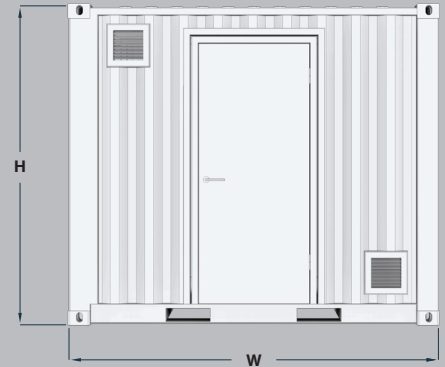


MAN PSC

Technical data

Dimensions and output

L	2,900 mm
H	2,800 mm
W	2,100 mm
Weight	2,500 kg
Installation location	Non-hazardous area
Power supply	3 x 400 VAC + N + PE/50 Hz



Last updated March 2023

General

The MAN PSC monitors and controls the gas plant's processes. It detects process upset conditions and takes preventive action to reset the system to a safe state.

A user-friendly HMI screen works with clear and understandable graphics. It displays mimics for control, overview, alarms, and diagnostics. Tools for remote operation and maintenance are provided.

The power supply to system consumers is controlled with internal switchgear and motor starters.

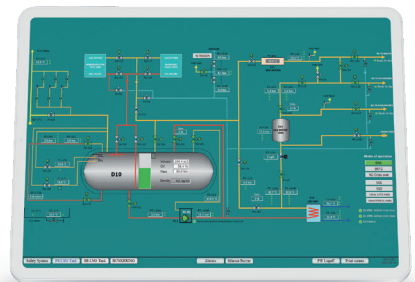
The MAN PSC is pre-tested and approved for fast installation and easy start-up. All related equipment is supplied in a container frame. The modular design makes add-on functions and upgrades easy.

Standard configuration

- Siemens 1500 series PLC
- Siemens TP1200 12" HMI touchscreen
- Internal power distribution for electrical consumers
- UPS for 30 mins
- VPN connection for remote operation and support
- Container insulation and heating
- Mesh-protected mechanical container ventilation
- Lighting and power sockets in container
- Cable entry through control cabinet socket and container floor

Optional equipment

- Instrument air system
- Dedicated gas detection system
- Container air conditioning
- Modbus/Profibus interphase to client's main control system
- Additional or customized HMI



Typical HMI for MAN PSC

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