

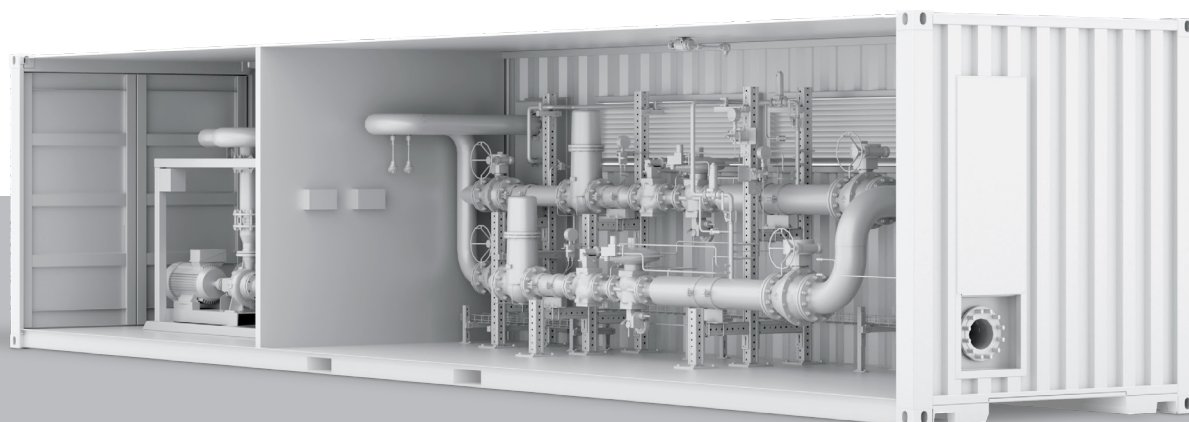
MAN PCU

Pressure control unit

MAN PCU handles pressure control, metering and odorization before supply to the gas grid. The system is supplied with all equipment and components installed in an ISO container for weather protection and ease of transport.

Benefits at a glance

- Complete gas treatment system supplied as one unit
- Includes all equipment, valves, piping, and instrumentation
- Safe operation and maintenance
- Weather protection of equipment inside tempered and ventilated container



MAN PCU

Technical data

Dimensions

		PCU100	PCU150	PCU200	PCU250
L	mm	6,100	12,200	12,200	12,200
H	mm	2,590	2,590	2,590	2,590
W	mm	2,440	2,440	2,440	2,440
Weight	kg	3,000	4,000	4,500	5,500
Regulator		DN40	DN50	DN80	2 x DN80
Gas feed line		DN100	DN150	DN200	DN250
Gas send out line		DN100	DN150	DN200	DN250

Output

		PCU100	PCU150	PCU200	PCU250
Gas supply capacity*	MW	20	35	70	110
Gas supply capacity*	kg/h	1,300	2,500	5,000	8,000
Discharge pressure	bar(g)	2 – 8	2 – 8	2 – 8	2 – 8

* Based on 3.9 bar(g) discharge pressure.
Specific calculations to be performed for other design cases.



Last updated March 2023

General

The gas stream is pressure controlled by a pilot-operated mechanical valve that ensures steady and reliable gas pressure to consumers. The downstream system is safeguarded from high pressures by two safety shut-off valves. Gas supply flow can be measured with a turbine meter approved for fiscal use.

A odorization system can be included to mix odorant into the gas stream. This makes a gas leak easy to detect.

Vents are connected to a header for easy installation. All the instrument and electrical wiring is terminated at junction boxes. There is one pneumatic connection for all air consumers in the container.

Standard configuration

- Primary pressure control line with self-acting pressure regulating valve (RBE), safety shut-off valves (SAV) and relief valves (SBV)
- Gas filter
- Lighting and heating inside container
- Free flow ventilation, gas detection and explosion hatches for safe handling of gas inside an enclosed space

Optional equipment

- Secondary pressure control line with self-acting RBE, SAV and SBV
- Odorization system
- Heated storage cabinet for odorizer barrels
- Fiscal metering system for gas supply



MAN PCU150 installed

MAN Energy Solutions Sverige AB

Oljevägen 105
418 78, Goteborg, Sweden
P + 46 (0)31 17 62 95
on-shoresales-cryo@man-es.com
www.man-es.com/mancryo