MAN Energy Solutions
Future in the making

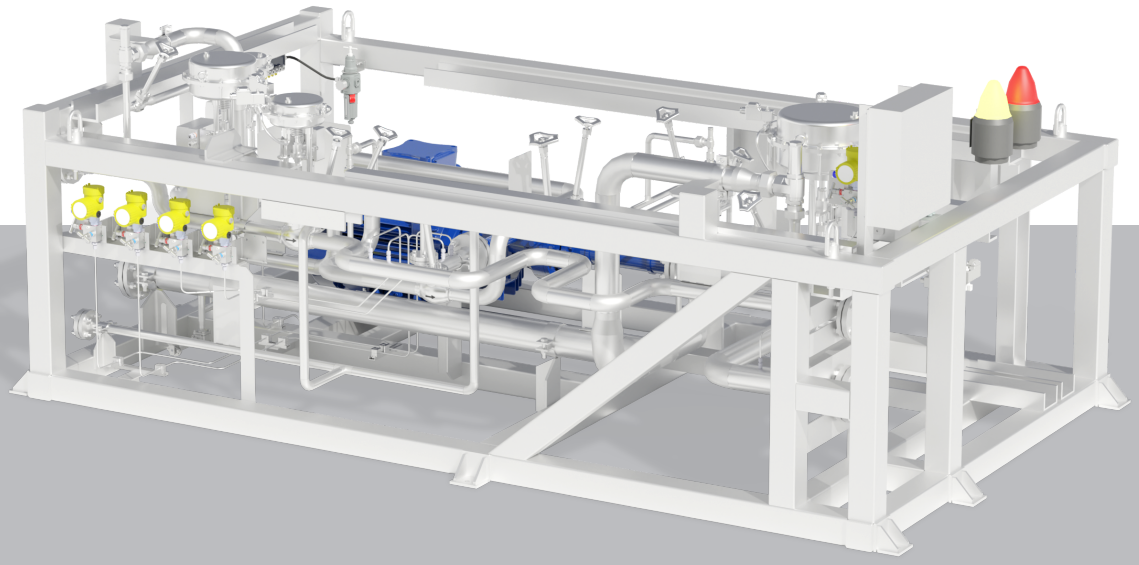
MAN W80P

Mobile tank unloading unit with pump

MAN W80P enables safe import of LNG and LBG from mobile tanks without onboard pumps to stationary tanks at satellite stations. The unit is supplied as a complete system with a stationary mounted transfer pump for unloading and a standalone pressure build-up unit (PBU).

Benefits at a glance

- Complete import system in one unit
- Safe and standardized interface between mobile tank and satellite station
- All instrument and electrical wiring terminated at junction boxes
- One pneumatic connection for all air consumers



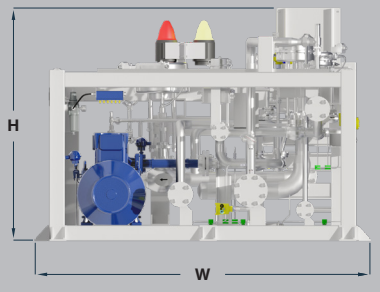
MAN Cryo

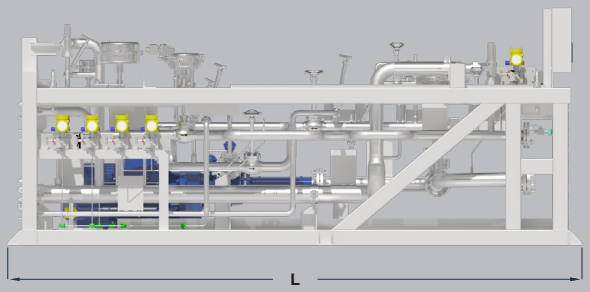
MAN W80P

Technical data

Dimensions

L	mm	3,700
H	mm	1,700
W	mm	2,200
Weight	kg	2,000
Liquid suction line		DN80
Gas return/min. flow line		DN50
Liquid supply line		DN50
Liquid to PBU line		DN25
Gas return from PBU line		DN50
Nitrogen supply line		DN25





Output

Flow rate[1]	m^3/h	50
Max. supply pressure from mobile tank	bar(g)	5
Max. supply pressure to stationary tank	bar(g)	14

[1] Depending on outlet line size of mobile tank

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General

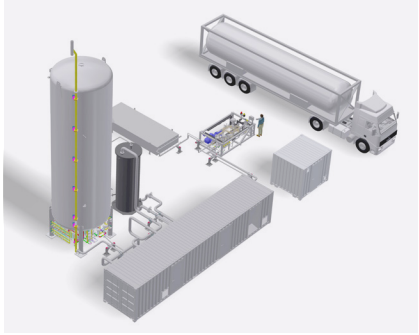
The unloading unit enables safe import of LNG and LBG from mobile tanks without onboard pumps, typically containers or railway wagons. All equipment and components are installed on a steel frame except for the standalone PBU, which is used to maintain correct pressure in the mobile tank during unloading. The correct cool down and startup of the pump are handled with a control valve to mobile tank vapor return. All electrical wiring is terminated at junction boxes. The vents are connected to a header for easy installation. Nitrogen lines are used for purging and inerting of the transfer hoses.

Standard configuration

- Transfer pump
- PBU as standalone unit
- Combined gas return and min. flow line
- Strainer for pump protection
- Alarm and information lights
- Pushbuttons for control and emergency stop

Optional equipment

- Breakaway couplings
- Dry disconnect couplings and hoses
- Pneumatic connection to trailer ESD valves
- Gas and leakage detection
- Flow meter (flanged to unit)



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