



Manholes MHR / MHL / MHL 2

Manholes in digesters, Biogas reactors or other concrete containers serve to allow unrestricted and safe access as also an entry point for materials and other components. They also serve as an inspection point which can be quickly opened and closed.

Manholes can be fitted with sensor openings or other additional fixtures for measurement components.

ennox manholes can be supplied in a variety of sizes and designs. ennox manholes are manufactured entirely from 1.4571 stainless steel. ennox provides you with the most modern designs for either lateral or top assembly:

Roof manhole MHR*

Manholes with a screwed cover and handle. The base unit is installed hermetically tight in the top of the digester, either directly cast (concrete reactor) or welded (steel digester). An air tight seal between the lower part and the cover is achieved with an NBR o-ring seal.

Inside opening laterally installed manhole MHL** with swing cover

With a special quick connector and swing mechanism, the ennox manholes can be easily opened and closed to the inside of the digester. After closing the manhole the digester is hermetically sealed up to a pressure of 4 bar. The accumulation of dirt and contamination on the inside surface is prevented by the convex form, which, in turn will guarantee problem-free operation.

Outside opening laterally installed manhole MHL*** with screwed cover

This manhole is equipped with a strong handle. It opens to the outside of the digester and is fastened with screws. This manhole cover also boasts a convex form on the inside, preventing the build-up of dirt and contamination.



Highlights

- Simple, maintenance free design
- Simple operation with special connectors
- Operation using little effort with swing arm
- No dirt and contamination build-up due to convex form
- Digester pressure up to 4 bar, max. Temperature 100 °C
- Completely manufactured from 1.4571 stainless steel
- Made in Austria

Options

- Additional sleeves for the connection of sensors etc.
- Freely selectable frame size
- Frame matched to digester wall curvature



Roof manhole MHR* technical data

Model	Diameter in mm	Height in mm
MHR 640	640	1,000
MHR 796	796	1,000
MHR 955	955	1,000
MHR 1273	1,273	1,000

Lateral manhole MHL** technical data

Model	Diameter in mm	Opening size in mm	Frame size in mm
MHL 600	754	604	235
MHL 700	854	704	250
MHL 800	954	804	250
MHL 900	1,080	904	250
MHL 1000	1,200	1,060	258

Lateral manhole MHL 2*** technical data

Model	Diameter in mm	Opening size in mm	Frame size in mm
MHL 2 600	780	700	600
MHL 2 700	880	800	600
MHL 2 900	1,035	955	600
MHL 2 1000	1,353	1,273	600