

ALUFLEX 16

A modern hospital ward panel



FAGERHULT

Aluflex 16

Aluflex is a comprehensive range of hospital ward panels. From general to intensive care and recovery, each panel is tailored to its specific need. The modular system consists of lower panels, intermediate ducts and top panels which are combined and equipped with an optional number of sockets for electricity, telecoms, signal and data communication as well as gas outlets.

The newly developed Aluflex 16 is delivered ready-to-use with two separate outlet socket sections, for an ultra-efficient installation.

The panel is wall mounted horizontally and designed for hospital wards. Aluflex 16 is a complete profile with two channels and slightly sloping top and bottom sides. Sockets for telecoms, signal and data communication are added as required. The panel can be supplemented with an equipment rail on the lower section and it is also possible to integrate reading and examination lights.







Gas outlet mounted downwards for hose connection.

Gas outlet

For maximum compatibility with existing equipment, the gas outlets can be mounted in two directions; front-mounted or downward facing for hose connection to rail mounted equipment.



Gas outlet, front-mounted.



Reading and examination light, with LED.



Bracket for fixing in place.

Easy installation

Installing a large number of panels in hospitals can take a lot of time. Aluflex, with its quick and easy mounting, helps streamline the process significantly. First the brackets are screwed in place and then it is easy to fit the panel into place and lock via a self-tapping screw at each end.



Different sockets can be mounted without a protruding frame for simpler cleaning.

Hygiene

Aluflex 16 is constructed from an aluminium profile with two channels and a slightly sloping top side. All surfaces are smooth allowing for easy cleaning as well as meeting the high standards of hygiene that hospital environments demand.



Connection box for electrical connection.

Medical Directive

CE certificate and Fagerhult's path to CE marking conforms to the demands for the medical directive.

The requirements set out in the directive 93/42/EEC, also known as MDD (Medical Device Directive), must be observed in order to market and manufacture medical equipment for hospitals.

According to the directive, a medical device is a product which, as identified by the manufacturer, is to be used separately or in combination with other equipment on human beings to solely or primarily;

1. diagnose, prevent, monitor, treat or alleviate an illness,
2. diagnose, monitor, treat, alleviate or compensate an injury or handicap,
3. investigate, replace or modify the anatomy or of a physiological process or
4. control of conception.

The manufacturer states the intended use of the product and this forms the basis as to whether it is a medical device and to which class the product is to be assigned.

Appendix 1 Essential demands

We follow the most essential requirements through type testing our products in accordance with the harmonised standards, which are EN 60601-1 Medical electrical equipment. General requirements for basic safety and essential performance and EN ISO 11197:2009 Medical supply units.

However, we cannot conform to the essential demands with just these, but must supplement with risk analyses, technical file, operating and installation instructions.

Appendix 9 Classification criteria

A medical device must be classified in one of the following classes: I, IIa, IIb or III. By using our intended usage, we have classified our products, which have been assigned class IIa while others have been assigned class IIb. We report which class each product is assigned to in our declaration of conformity and in this catalogue in the technical information section.

It is ultimately the classification that determines which third party assessment is required.

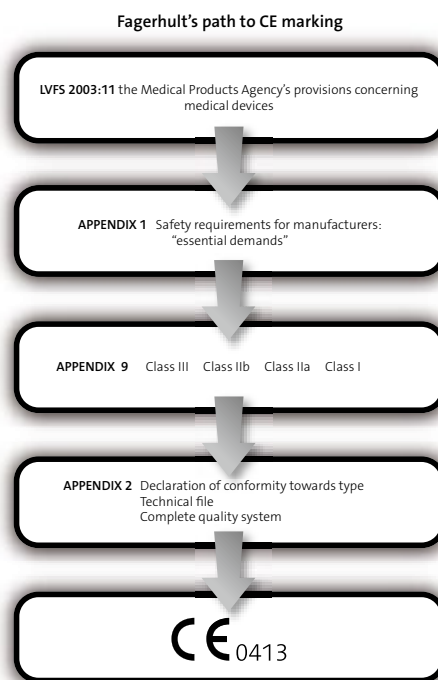
Appendix 2 Quality assurance

Fagerhult has chosen to use appendix 2 which means a system for complete quality assurance. This comprises design, manufacture and final inspection. As the third party or scrutinizing body we have engaged Intertek ETL SEMKO,

who has audited our entire quality system. Accordingly, we CE-mark our products with a CE-mark including SEMKO's number 0413.

Reporting obligation

Medical devices also comprise a reporting obligation for accidents and near-accidents when our products are involved. In this case we follow the guidelines in MEDDEV 2.12-1 (last revision) and report these to the Medical Products Agency and our scrutinizing body. In a corresponding manner the hospital reports to the National Swedish Board of Health and Welfare.



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Design

Aluflex 16 is a ready-made solution with sloping sides for easy cleaning. The panels can be supplied in lengths up to 6200 mm without being joined.

Materials, finish

The profile is made from extruded aluminium. As standard, the panel is supplied in white (RAL 9010) powder enamelled. Additional colour finishes can be supplied upon request. The panel has smooth external faces that facilitate cleaning.

Medical gases

Outlets for medical gas can be front mounted or mounted downwards and can be connected directly or by attaching equipment to a rail (wall mounted or panel mounted) and via hose connecting.

Electrical socket outlets

Aluflex 16 can be equipped with the required number of heavy and low voltage outlet sockets. The outlet sockets are fitted in the equipment brackets that are permanently attached to the section. A specially adapted cover plate ensures the outlet socket mounting is flush against the front of the panel. The panel can be equipped according to the national standard outlet sockets that apply to a given project.

Reading- and examination light

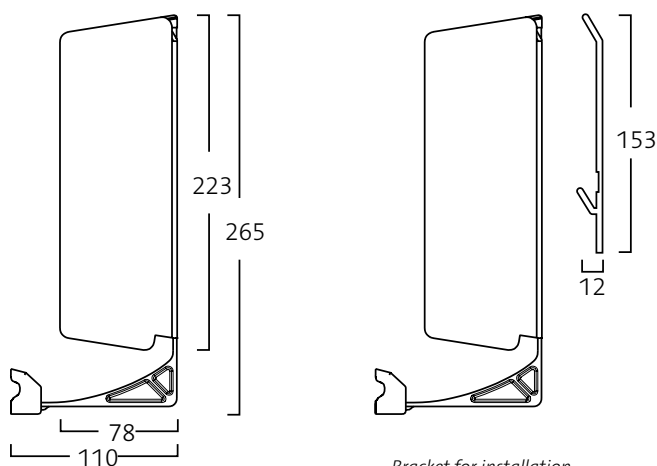
An LED luminaire for both reading and examination can be fitted in the panel.

End cap

End-caps can be used to terminate the panel or when individual mounting applies.

Connection

Connection is made via the connection piece at the end of the panel from the side, wall or through the vertical supply channel.



Bracket for installation.



Fagerhult develops, manufactures and markets professional lighting systems for public environments. Our operations are run with a constant focus on design, function, flexibility and energy saving solutions.

Fagerhult is part of the Fagerhult Group, one of Europe's leading lighting groups with operations in more than 15 different countries. AB Fagerhult is listed on the NASDAQ OMX Nordic Exchange in Stockholm.

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