



SIO HOSPITAL DOORS

MODULAR DOOR SYSTEMS FOR
CLEAN ROOM CONDITIONS



SIO VASUNDDHARA
INTERNATIONAL PRIVATE LIMITED

PEOPLE | CUSTOMERS | GROWTH

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SIO Hospital Doors. Doors for use in clean room conditions and environments with special requirements..

SIO Hospital Doors support the maintenance of a sterile environment by their hermetic closing and easy-to-clean qualities, making them ideal for medical field especially operating theatres. These tightly closing doors are available as single or twin leaf models. A large range of materials are available for the door leaf core and surface finishes, as well as the design of the door frames and sealing system, enabling a wide field of applications.

SELECTABLE FEATURES:

- Hermetically tight closing
- Hygiene-friendly surfaces
- Noise-dampening door leaf care
- Radiation protection insert available in a range of lead equivalent values
- Water resistant materials for use in damp areas
- Smoke and fire protection function

OPTIONS:

In addition to a variety of surface finishes and customized door leaf cores, the doors can also be fitted with various sizes of windows, integrated blinds and even laser protection according to requirements.

Also, mechanical or electrical locks are available, as well as various models of cantilever-type handles.



VARIANTS:

By building on the basic model, many variants for special applications can be created. Protection against electrons, X-rays and Gamma rays can be provided with the addition of a full-surface lead insert in the door leaf, in the inside of the frame profiles as well as in the plinth itself.

With modified seals and a heat-absorbing core, the basic model becomes a certified smoke control door. Add a fire-retardant core and additional intumescent seals, PVC covered to fulfill hygiene requirements, and this model becomes a fire door with combined smoke protection.

SPECIFICATIONS:

Basic Data

Opening width (A)	up to 6000mm (wider on request)
Opening height of passage (G)	up to 4500mm (higher on request)
Total height	G + 305mm (steel version 330mm)

Housing dimensions automated

T x H without locking device	120mm x 252mm
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Maximum door leaf weight

SIO HD AE2	1 x 220 kg / 2 x 110 kg (higher weights available on request)
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ELECTRICAL SPECIFICATIONS:

Connection data for AE2

Mains voltage	230 V AC, 50/60 Hz
Rated power	240 W
Consumption in idle mode	approx. 25W

ENVIRONMENTAL CONDITIONS:

Basic Data

Temperature Range	0° bis + 60° C
Humidity Range	10% to 93% rel. humidity, non-wetting

GENERAL TECHNICAL CHARACTERISTICS:

Door Leaf

Strength	40mm, deviating for special designs
Door Frame Profile	Anodized aluminum profile, reinforced if necessary
Surface	HPL laminate or solid material, stainless steel, powder coated or galvanized sheet steel, lead inserts available in different strengths.
Core	Tubular or solid chipboard, polystyrene foam, ESG
Seal	All-round rubber seals recessed into the door leaf

Frame

Quality of materials	HPL of steel surfaces with aluminum corner protectors for the profiles, stainless steel
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Motor and Drive

Motor Output	up to 500 W
Transmission	Worm gear
Drive	Toothed belt

Functional Safety

Speed	Selectable from 0.03 - 0.5 m/s
Complies with norms and conditions	EN 16005, EN 18650, EI 30: EN 1363-1, EN 1634-1, EI30, EI60



www.sio.co.in

SIO VASUNDDHARA INTERNATIONAL PVT. LTD.

Founded with the vision to work with fairness, honesty and courtesy towards all internal and external stakeholders to achieve the company's objectives, Sio Vasunddhara International has serviced such prestigious names as ABB, DLF, LnT, PVR, TAJ hotels and resorts, Unitech, Fortis, Airtel, bata, The Oberoi, HP, Raheja developers and many others.