LOW-LEAKAGE STEEL DOOR, VARIANT ST-R/Z15

Steel door with inspection window, pressure relief valve and cylinder rim lock (Profile cylinder on the opening side, cylinder rim lock on the closing side)

INSPECTION WINDOW

CYLINDER RIM LOCK
PRESSURE RELIEF VALVE

REMOVABLE FRONT LOCKING LEVER (OF
DOUBLE LEVER LOCKING DEVICE
(INTERIOR LEVER, DOUBLE LEAF DOOR)
TYPE ST

SINGLE AND DOUBLE LEAF HINGED 
DOORS FOR PLANT ROOMS, STORAGE 
ROOMS, AIR HANDLING UNITS, FILTER 
CHAMBERS, OR ENCLOSURES FOR 
MACHINERY OR ELECTRICAL EQUIPMENT

Rectangular single leaf or double leaf doors that are robust and ensure only minimal leakage even in case of large differential pressures

- Maximum width of 1100 mm, maximum height of 2115 mm
- Maximum pressure loading of 1000 Pa, in closing direction; reinforced construction for up to 2000 Pa
- Air leakage rate of approx. 0.6 l/s or 2 m³/h at 1000 Pa (for each door leaf)
- Double skin door leaf made of galvanised sheet steel and with mineral wool infill
- Door frame made of angle sections or U-channel sections
- Two double lever locking devices, can be operated from both sides
- APT rubber seal, temperature resistant up to 90 °C
- Available in standard sizes and many intermediate sizes

Optional equipment and accessories

- Sound insulating lining
- Reinforced construction
- Any combination of cylinder rim lock, mortice lock, pressure relief valve, inspection window and removable exterior locking levers
- Powder-coated for outdoor installation
Application

Low-leakage steel doors of Type ST are used as separating elements for walk-in plant rooms, storage rooms, air handling units, filter chambers, or enclosures for machinery or electrical equipment.

Robust construction with very low air leakage rate even in case of large differential pressures

Powder-coated construction with increased corrosion resistance

Maximum pressure on the opening side is 1000 Pa (2000 Pa for reinforced construction)

Special characteristics

Variants with additional sound insulating lining (X construction variants) provide good sound absorption

U-value: 1.02 W/(m²K) at 8 W/(m²K) for internal spaces (air not in motion) and 25 W/(m²K) for outside (air in motion)

Optional door frame without fixing tabs (-21) but with flange holes

Nominal sizes

ST (single leaf)
B: 500, 600, 800 and 940 mm (intermediate sizes 400 – 1100 mm in increments of 1 mm)
H: 1500, 1600, 1800 and 1940 mm (intermediate sizes 800 – 2115 mm in increments of 1 mm)
Any combination of B × H

ST-D (double leaf)
B: 1080, 1280, 1680 and 1960 mm (intermediate sizes 1080 – 2280 mm in increments of 1 mm)
H: 1500, 1600, 1800 and 1940 mm (intermediate sizes 800 – 2115 mm in increments of 1 mm)
Any combination of B × H

TECHNICAL INFORMATION

Function, Technical data, Specification text, Order code, Related products

Variants, Dimensions and weight, Product details

Installation details

myTROX Services

Order-Status
TROX Academy
Catalogue Download
Your contact partner
Online fault report
BIM

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