

Hydraulic Two-Leaf Door

VERTICAL FOLDING DOORS

Hydraulics provide an elegant way to bear greater weight and open your façade in a two-leaf option.

ARA Manufacture's innovative and attractive hydraulic two-leaf door provides clients with even more options to bear heavier folding doors.

Monarch
Renlita

OVERVIEW

Our hydraulic two-leaf door uses hydraulics to bear the weight that is too great to lift manually and folds in half as it lifts. This innovative design allows the door to fold and project inside or outside the building, giving you more options in the use of space depending on structural requirements.

The door is projected outside by tilting around its pivot point into a horizontal overhead position. The two-leaf option folds as it tilts and forms an awning that can be used to open up the façade.

APPLICATIONS

These hydraulic doors are suitable for many applications including:

- Shopping centres
- Bar and counter tops
- Shop fronts
- Doorways
- Sports complexes
- Arcades
- Clubs
- Gyms
- Hangars
- Factories
- Warehouses
- Restaurants

DESIGN

- **Operation:** Panel operated by hydraulic cylinders on each side of the door panel. Stroke length and bore to be designed to carry the load and incorporate a safety factor of 2.
- **Locking:** Automatically locked by the hydraulic system.
- **Frame:** Constructed from steel RHS frame. Sized according to door dimensions and structural loads.
- **Brackets:** Fabricated from mild steel or stainless-steel plate.
- **Control:** Cylinders to be controlled by 240 volt or 24 volt (depending on the size of the door) hydraulic power pack controlling multiple doors as specified. Pump capacity to be sized to allow multiple doors to open and close at a suitable rate.

SIZE

Maximum width – 16 metres Maximum height – 5 metres Consult us for larger sizes.