

Hydraulic Single Leaf Door

VERTICAL FOLDING DOORS



Hydraulics provide new options to bear greater weight.

ARA Manufacture's innovative and attractive hydraulic single leaf door is versatile and provides clients with greater options to bear heavier folding doors.



OVERVIEW

Our hydraulic single leaf door uses hydraulics to bear the weight that is too great to lift manually. This innovative design allows the door to fully project inside or outside the building, giving you more options in the use of space depending on structural requirements.

The door projects outside by tilting around its pivot point into a horizontal overhead position. This forms an awning that can be used to open up the facade.

APPLICATIONS

These hydraulic doors are suitable for an endless number of 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 – 4.5 metres Maximum height – 4 metres Consult for custom larger sizes