



World Leader in Flexible Space Management



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is the only
completely finished
architectural
Bi-Fold door system
available for
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Hydrau-Lift™ Bi-Fold Door System



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Hydrau-Lift Bi-Fold Door System

The Hydrau-Lift™ Bi-Fold door system uses technology that improves on the limitations of cable or strap-driven Bi-Fold systems. The Hydrau-Lift Bi-Fold utilizes a patented hydraulic operating system (SST) provided exclusively by Hufcor.

The Hydrau-Lift system can be ordered from Hufcor with an optional pre-designed storefront glass system that can be either factory or field installed. As such, the Hydrau-Lift is the only completely finished architectural Bi-Fold door system available for glazing on the market today.

Product Features:

- Welded steel frames with narrower profiles (3" – 4" tubes) than the same-sized aluminum systems on the market.
- Optional stainless steel tube framing for corrosive environments (such as ocean fronts, indoor swimming pools, etc).
- Pre-designed and engineered openings to accept face materials (glass or custom skin finishes) that weigh up to 12 psf.
- Precision welds at the frame joints compared to large "industrial" welds on aluminum framed products currently in the market.
- Hydraulic lift mechanisms are located on the very edge of the door frames, eliminating cables, cable "kick-outs" and lift bars on the doors -- offering the cleanest and least obstructive door faces from a commercial Bi-Fold door.
- The hydraulic operators also eliminate the pinching hazards that could happen with cable and strap systems.

- The SST hydraulic cylinder operating system applies 1000+ lbs of "active force" on the door when closed, establishing a weather tight seal against the door perimeter frame and seals.

- Hydrau-Lift Bi-Folds are equipped with a built-in roller latching system located on the very edges of the vertical door frames. The mechanical roller latch firmly secures the doors in place against the support frame. Hydrau-Lift does not require lock actuators or additional motor systems to run "automatic" locks, nor do they require electric or magnetically operated locks to pull the door frames in tight to the seals.

- The hydraulic operator provides security in off hours. Optional manual master-keyed deadbolt locking systems can be installed on the Hydrau-Lift system.

- Pre-installed, heavy-duty, mechanically fastened weather seals surround the horizontal outer edges and at the joint between the panels. The vertical weather seals are applied on the vertical support frame to ensure a tight fit after installation.

- The hydraulic cylinders provide 1000 lbs of "active force" against the doors. As such, the seals are actually compressed tight and the door held flat in the opening. In gravity based systems (those that utilize overhead cables and ceiling mounted motor units), end users have experienced problems with doors not folding flat as shown in the photo. One root cause is the inability of the door's own weight to compress the seals and pull the door tight. Another is the need for the door weight to pro-



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vide enough force against the cable kickouts and lifting cables. The Hydrau-Lift pulls the door flat in the opening, and as such eliminates the need for actuators or magnetic catches.

- Hydraulic release valves allow the doors to be lowered in the event of a power failure or system repair. The release valve is part of the hydraulic pump unit, typically remotely installed in a service or storage closet, at ground level. On cable or strap-driven models, the top mounted motor units must be hand cranked at the motor to allow the panels to be lowered in the event of power failures – in some cases, as much as 30' above the floor!

- Hufcor Hydrau-Lift Bi-Fold door frames are factory finished with red oxide primer prepared for field painting. Optional factory painting is available, but not recommended due to the potential of scratching during shipping and installation. Aluminum framed Bi-Fold doors require field priming and then a field paint coating.



- Hufcor Hydrau-Lift doors are steel and are not supplied with a clear anodized frame. (Current aluminum Bi-Fold manufacturers provide a mill finish product. If clear anodized frames are required, the welding is done after the anodizing on aluminum framed systems, thus eliminating the clean look of the clear anodized frame that an architect or client may be looking for.)

- Horizontal top and vertical support leg framing posts are designed to help plumb and square the rough open-

ing and act as a built-in guide for the guide roller.

- The top horizontal guide rail adds lateral stability to the system

- Hufcor Hydrau-Lift can be ordered with a pre-designed aluminum storefront system that accepts a one-inch 1" insulated glass or ¼" single lite glass or polycarb unit. The system comes standard with clear or bronze anodized finishes or optional standard RAL powder coat. Custom Kynar powder coated colors are available for an upcharge.

- The standard system contains a 1/8" EDPM thermal barrier at the pressure plates and cover. And, Hydrau-lift factory installs and additional thermal membrane between the storefront base plate and door frame.

About Hufcor

Hufcor is a privately held U.S.A. corporation and is the world's leading manufacturer of operable glasswall, and accordion partitions. As the world leader in flexible space management, Hufcor combines innovative engineering and design concepts to offer our customers the broadest range, most technologically advanced, high quality products available.

Hufcor partitions are available through local, factory-trained Distributors, offering design assistance, installation and service. For more information about Hufcor partitions, contact your local distributor. For the name of your nearest representative go to www.hufcor.com.

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About Hufcor

PARTITIONS
OPERABLE | GLASSWALL | ACCORDION

Hufcor, the world leader in the manufacture of partitions, has a reputation for products with exceptional quality and durability. Operable, accordion, portable and glass partitions provide the flexibility to quickly create large or small spaces.

Hufcor partitions are available through local, factory-trained Distributors, offering design assistance as well as installation and service.

For more information about Hufcor partitions, contact your local distributor. For the name of your nearest representative, go to www.hufcor.com.

The Hufcor Commitment to Green Manufacturing, Sustainability and LEED™

Hufcor is committed to being an industry leader when it comes to protecting the environment, by reducing pollutants and minimizing our environmental impact on air, water and land. Today, the Hufcor commitment and progress toward Green manufacturing is greater than ever, as we continue to develop standards that support various LEED (Leadership in Energy and Environmental Design) points to assist the achievement of LEED certification goals.



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