

## MAGIC DOOR SYSTEM

Magic Door is a smart system for sailing yachts transom door.

By a simply and lightweight double acting cylinder, with a smart pulley system, this product let you to have an hydraulic transom door on your boat.

Magic Door consists in a double acting cylinder with an ingenious 2:1 tackle system. The terminal rod has 4 sheaves in order to manage at the same time all the 4 sheets which drive the cars on the tracks.

The Magic Door can be used also to easy control the bath platforms reducing the space required for the technical room.

### Lightweight

Magic door consist of a single hydraulic cylinder. All the ram components are made of lightweight hard coated aluminium. Rod and tube terminal sheaves are made of high strength plastic and Polizene®. Fittings and screws are in stainless steel in order to avoid any problem of rust.

### Compact and easy to place on board

The double acting hydraulic ram can be placed in different ways in the boat garage: horizontal, vertical, port or starboard side, under the cockpit or on the bulkhead.

### Safety

The Magic Door system manage the movements of the door; it is possible to stop the system in every moment without any risk. Moreover, the sheets work as a bumper to protect the system from waves hits and overloads.



SOLARIS 48' "CRAZY TOO" (above): customer rods link the transom door to the cars on the track of Magic Door system



Wally 80 "Inti" (former "Indio"): Magic Door ram controls the bath platform

### Magic Door cylinder is also available with a compact and lightweight installation kit

This CARITEC pack counts:

- the Magic Door double acting hydraulic cylinder
- tracks with sheaves and cars for double rods system (700mm stroke)
- Magic Door forehead pulley to drive the sheets to the tracks
- lightweight aluminium hydraulic power pack with integrated valves block and oil tank
- compact electric box with integrated power relay
- IP67 stainless steel push buttons to move up and down the transom door



MODEL	Bore		Stroke <sup>(1)</sup>		WP		Working load <sup>(2)</sup>		Weight <sup>(3)</sup>	
	mm	in	mm	in	bar	psi	kg	lbs	kg	lbs
<b>CL 035 D 350</b>	35	1.38	350	13.78	140	2000	1375	3032	2.5	5.51

(1) 350mm cylinder stroke. 700 mm cars stroke due to 2:1 tackle

(2) With 2:1 tackle the load on every car is split by half

(3) Double acting cylinder weight.

The overall weight of MagicDoor Kit is 9.8 kg (21.56 lb)

