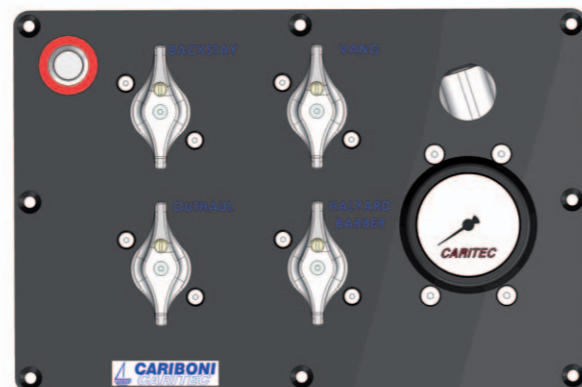


**QUAD LINE**

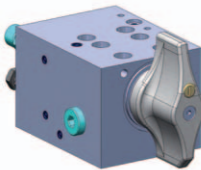
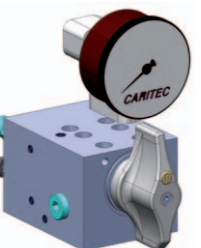
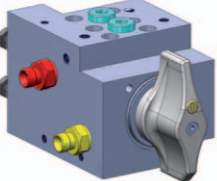
After the experience on 2006 AC races, Cariboni has designed these new manual valves. Starting from the same mechanism of Race line valves, these new valves are designed to offer the best hi-tech manual control for a cruise-race sailing yacht.

Thanks to the special fittings and fixing arrangements, the new Quad valves are used to create a very compact manual panels which can be fitted in every boat. A maximum pressure valve for each function (even for the double valve) improves the reliability of the system and protects the ram and the hoses from overpressure.

As for other Cariboni's valves, each valve is able to control a single acting cylinder with a 3 position control knob (pump-hold-release) and it is available with max pressure valve and manometer gauge. All Quad line valves can run at 700 bar (10.000 PSI) working pressure and up to 8 lpm maximum oil flow. All these valves can be fitted on linear or crossed standard arrangement: custom solutions with manual pump are available on request.



Quad panel: 4 single valve, a manual pump, an analogic manometer and an electric power button in just 300x200mm! A race panel squeezed to the minimum.

VALVE TYPE	MAIN FEATURES	APPLICATION
<b>CM_VSBC_A_08814</b> 	Max working pressure: 700 bar (10.000PSI) Weight: 0,76kg (1,68lbs) Max oil flow: 8lpm Black hard coated aluminium Hold-pump-release positions 20-700 bar max adjustable max pressure valve Flow release control 7/16" JIC UNF 37° stainless steel fitting* Polished stainless steel knob available on request	<b>Single valve with max pressure valve</b>  Single acting cylinder (backstay, forestay, inner forestay, halyard, outhaul, Cunningham etc.) Single acting boom vang Back-up valve in automatic hydraulic system
<b>CM_VSBC_A_12322</b> 	Max working pressure: 700 bar (10.000PSI) Weight: 0,84kg (1,85lbs) Max oil flow: 8lpm Black hard coated aluminium Hold-pump-release positions 20-700 bar max adjustable max pressure valve 0-600 bar analogical pressure gauge 7/16" JIC UNF 37° stainless steel fitting* Polished stainless steel knob available on request	<b>Single valve with max pressure valve and manometer</b>  Single acting cylinder (backstay, forestay, inner forestay, halyard, outhaul, Cunningham etc.) Single acting boom vang Back-up valve in automatic hydraulic system
<b>CM_VD_A_08897</b> 	Max working pressure: 700 bar (10.000PSI) Weight: 1,09kg (2,41lbs) Max oil flow: 8lpm Black hard coated aluminium Hold - pump A - pump B positions 20-700 bar max adjustable max pressure valve Flow release control 7/16" JIC UNF 37° stainless steel fitting both for A and B port* Polished stainless steel knob available on request	<b>Double valve</b>  Double acting cylinder Double acting boom vang Transom door system Lifting keel manual back-up Canting keel manual back-up  Max pressure valve on A and B port

\*Custom fittings available on request (1/4" BSPP – 9/16" JIC UNF 37° - 3/8" BSPP)

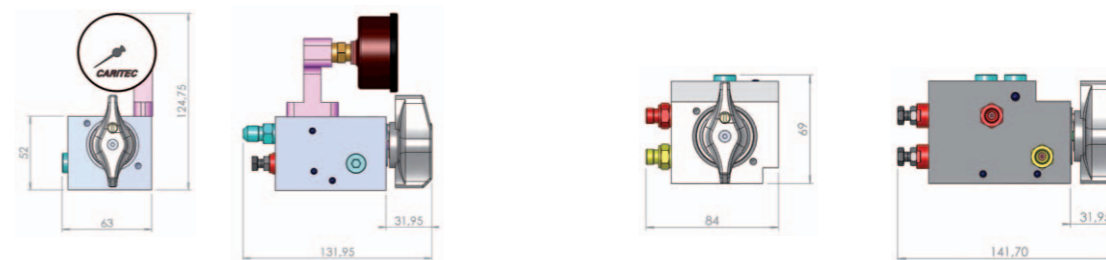
All valve types can be placed on linear or crossed aluminium manifold for standard or custom manual panel

**QUAD LINE**

**QUAD LINE VALVE - MAIN DIMENSIONS**

Single valve model with max pressure valve and manometer gauge

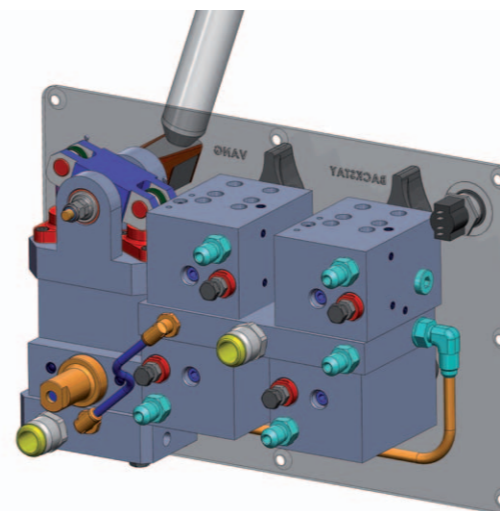
Double valve model



**Quad line PANELS**

Quad line panels are the CARIBONI-CARITEC compact offer for race-cruising yachts. Thanks to the new valve design, Quad panel are very compact and can be installed on any kind of boat.

Shape and dimensions depend on the number of valves and pressure gauges installed on it. We offer a slim 2 valves panel (single valve, double or mixed), a BP3, BP4, BP5 (3, 4 or 5 single valves) or custom solution with 10 valves or more on the same panel. A QUAD LINE single or double manual pump (see "Manual Pump" paragraph for further information) can be added on every panel.



The Quad panels are made on black hard coated aluminium; custom polished stainless steel and carbon fibre panels are available on request.

Each manual panel is available with electric pump power supply, able to achieve 700 bar.

Quad panels are designed to work with pressurized oil tank in order to increase the pumping performances and the layout flexibility of the system.



**Baltic 45'**  
Design by Reichel Pugh

Equipped with custom Cariboni manual quad Panel to control vang, outhaul and Cunningham hydraulic rams