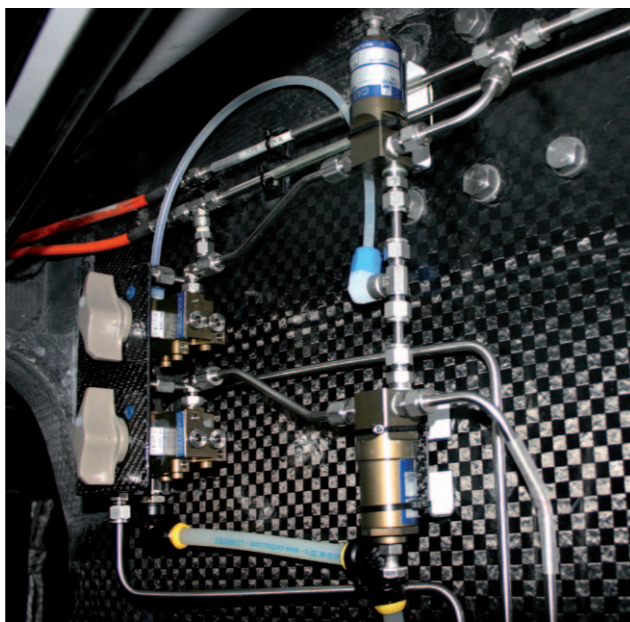


IN-LINE VALVES

Cariboni-Caritec hydraulic equipment includes several types of in-line valves in order to satisfy any needs of cruiser and racer sailing yacht. All in-line valves are made of hard coated 7075-T651 aluminium and they are all designed to work at 700 bar (10.000 PSI).

Please contact our technical office for further informations: we are glade to provide you technical support in order to design an efficient, reliable and lightweight hydraulic system.

Each in-line valve is equipped with stainless steel fittings: extreme weight reduction can be achieved with optional titanium and aluminum fittings.



Installation of in-line valves

TYPE	MAIN FEATURES & APPLICATION
	<p>Black line quick release valve (P to T line) Black hard coated aluminum 7075 Weight: 0,38kg (0,84lbs) Max working pressure: 700bar (10.000PSI)</p> <p><i>Main applications: boom vang fast release, travelers, runners etc.</i></p>
	<p>Race line quick release (P to T line) Hard coated aluminum 7075 Weight: 0,235kg (0,52lbs) Max working pressure: 700bar (10.000PSI) It can work with pressurized oil tank.</p> <p><i>Main applications: boom vang fast release, travelers, runners etc.</i></p>
	<p>Race line quick release (P to T line) with flow control (you can reduce the release speed) Hard coated aluminum 7075 Weight: 0,286kg (0,63lbs) Max working pressure: 700bar (10.000PSI) It can work with pressurized oil tank.</p> <p><i>Main applications: back-up release valve for every cylinders</i></p>
	<p>Race line by-pass valve (A to B and B to A). Hard coated aluminum 7075 Weight: 0,260kg (0,57lbs) Max working pressure: 700bar (10.000PSI) It can work with pressurized oil tank.</p> <p><i>Main applications: fast release for double acting cylinders, traveler fast release</i></p>

IN-LINE VALVES

PUMP TYPE	MAIN FEATURES & APPLICATION
	<p>Race line link valve (A to B and B to A). Hard coated aluminum 7075 Weight: 0,52kg (1,15lbs) Max working pressure: 700bar (10.000PSI) It can work with pressurized oil tank.</p> <p><i>Main applications: to put together to pressure line in hydraulic system</i></p>
	<p>Flow control valve (restriction from A to B. Flow is free from B to A). Black hard coated aluminum Weight: 0,18kg (0,39lbs) Max working pressure: 700bar (10.000PSI) It can work with pressurized oil tank.</p> <p><i>Main applications: release speed control in single and double acting cylinder.</i></p>
	<p>Max pressure valve (reduce max pressure line) Hard coated aluminum 7075 Weight: 0,25kg (0,55lbs) Max working pressure: 700bar (10.000PSI) It can work with pressurized oil tank.</p> <p><i>Main applications: max pressure control in hydraulic system or in single/double acting cylinders.</i></p>
	<p>Manual By-pass valve Hard coated aluminum 7075 Weight: 0,51kg(1,12lbs) Max working pressure: 700bar (10.000PSI) Top flow Up to 50lpm</p> <p><i>Main applications: by-pass valve to let move freely under load two twin cylinders</i></p>
	<p>Single anti-shock valve Hard coated aluminum 7075 Weight: 0,45kg (1lbs) Max working pressure: 700bar (10.000PSI)</p> <p><i>Main applications: for every double acting cylinder which can hold impulsive load. Adjustable anti-shock release speed. It reduces the peaks of pressure inside the ram (pressure moves from back port to head port of the ram).</i></p>
	<p>Double anti-shock valve for double acting cylinder Hard coated aluminum 7075 Weight: 0,75kg (1,65lbs) Max working pressure: 700bar (10.000PSI) It can work with pressurized oil tank.</p> <p><i>Main applications: for every double acting cylinder which can hold impulsive load. It reduces the peaks of pressure inside the ram (pressure moves from back port to head port of the ram).</i></p>
	<p>Double anti-shock valve for double acting cylinder (with same oil volume on head and back). Hard coated aluminum 7075 Weight: 0,65kg (1,43lbs) Max working pressure: 700bar (10.000PSI) It can work with pressurized oil tank.</p> <p><i>Main applications: for every double acting cylinder which can hold impulsive load. It reduces the peaks of pressure inside the ram (pressure moves from back port to head port of the ram).</i></p>