## MANUAL CONTROL

### **IN-LINE VALVES**

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Cariboni-Caritec hydraulic equipement 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 sys-

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

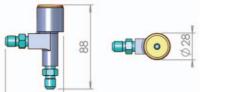
# MAIN FEATURES & APPLICATION **TYPE** Black line quick release valve (P to T line) Black hard coated aluminum 7075 Weight: 0,38kg (0,84lbs) Max working pressure: 700bar (10.000PSI) Main applications: boom vang fast release, travelers, runners etc. Race line quick release (P to T line) Hard coated aluminum 7075 Weight: 0,235kg (0,52lbs) Max working pressure: 700bar (10.000PSI) It can work with pressurized oil tank. Main applications: boom vang fast release, travelers, runners 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. Main applications: back-up release valve for every cylinders 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. Main applications: fast release for double acting cylinders, traveler fast release

#### **IN-LINE VALVES**

## 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.

Main applications: to put together to pressure line in hydraulic

**MAIN FEATURES & APPLICATION** 



**PUMP TYPE** 

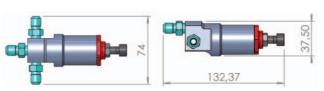
Flow control valve (restriction from A to B. Flow is free from B to A).

Black hard coated aluminum Weight: 0,18kg (0,39lbs)

Max working pressure: 700bar (10.000PSI)

It can work with pressurized oil tank.

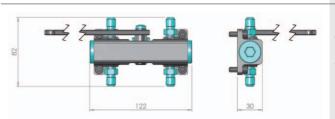
Main applications: release speed control in single and double acting cylinder.



Max pressure valve (reduce max pressure line) Hard coated aluminum 7075 Weight: 0,25kg (0,55lbs)

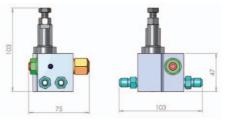
Max working pressure: 700bar (10.000PSI) It can work with pressurized oil tank.

Main applications: max pressure control in hydraulic system or in single/double acting cylinders.



Manual By-pass valve Hard coated aluminum 7075 Weight: 0,51kg(1,12lbs) Max working pressure: 700bar (10.000PSI) Top flow Up to 50lpm

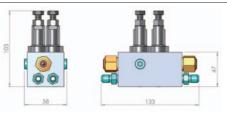
Main applications: by-pass valve to let move freely under load two twin cylinders



Single anti-shock valve Hard coated aluminum 7075 Weight: 0,45kg (1lbs)

Max working pressure: 700bar (10.000PSI)

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).

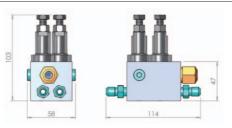


Double anti-shock valve for double acting cylinder Hard coated aluminum 7075 Weight: 0,75kg (1,65lbs)

Max working pressure: 700bar (10.000PSI)

It can work with pressurized oil tank.

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).



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.

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).

