



**YOUR POWER  
UNDER  
CONTROL**



**CBF** *hydraulic*<sup>®</sup>

HYDRAULIC VALVES  
HYDRAULIC COMPONENTS



## ■ OUR HISTORY

**CBF** was founded in 1986 and it's based in Montecchio Maggiore (Vicenza) – ITALY.

At first, the company's product line focused mainly on hydraulic products for the agriculture, earth moving and lifting machinery.

Today CBF manufactures a wide range of hydraulic valves for the ever expanding mobile and industrial equipment sector, also designing and manufacturing hydraulic systems under customer specifications.

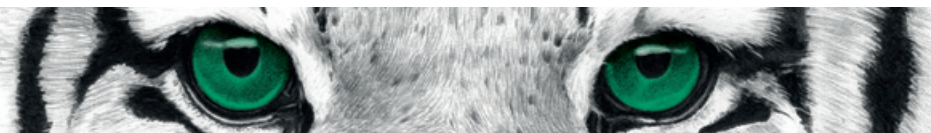
Quality has always been of primary importance. As of November 1999, CBF has been operating with a **Quality System certified under ISO 9002**, followed by the November 2003 adjustment on Quality Management System conforming to UNI EN ISO 9001:2000 standard and by **November 2009 adjustment to UNI EN ISO 9001:2008**.

CBF'S business strategy places emphasis on research and development, vital to the continued innovation of its products; always keeping in mind the customers' needs and requirements.

Our new 3,000 sq.m (32,000 sq.ft.) headquarters and manufacturing facility in Montecchio Maggiore support an even greater production capacity.

CBF products are now widely used in the agricultural, industrial and transportation sectors, and exports over 75% throughout Europe, Canada, South Africa, Australia, New Zealand, Middle East, South East Asia, Israel, North and South America.



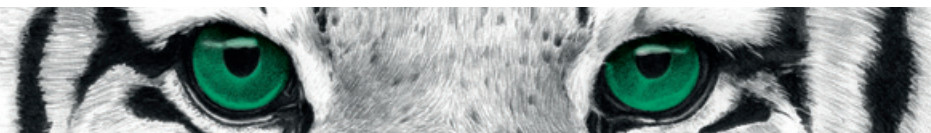


## ■ RELIEF-UNLOADING VALVES HIGH-LOW PRESSURE



Available in line, flangeable on pumps and modular NG6-NG10-NG16, with aluminium body (steel body only to request).

**Max flow** from 40 up to 150 l/min  
**Max pressure** up to 350 bar

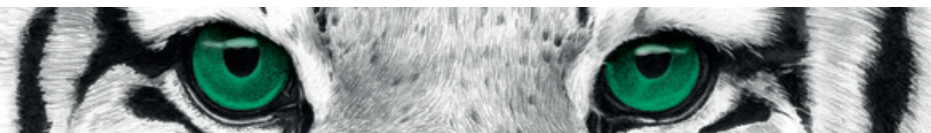


■ **TWO, THREE, FOUR WAYS SOLENOID DIRECTIONAL VALVES NORMALLY OPEN AND NORMALLY CLOSE, POPPET TYPE AND SPOOL TYPE**



Available with aluminium and steel body, with and without screw emergency.

**Max flow** from 10 up to 200 l/min  
**Max pressure** up to 400 bar

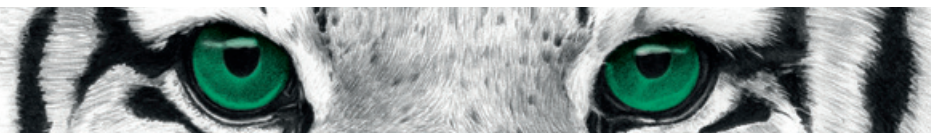


## ■ SIMPLE AND DOUBLE RELIEF VALVES



Available with aluminium and steel body.

**Max flow** from 5 up to 400 l/min  
**Max pressure** up to 400 bar

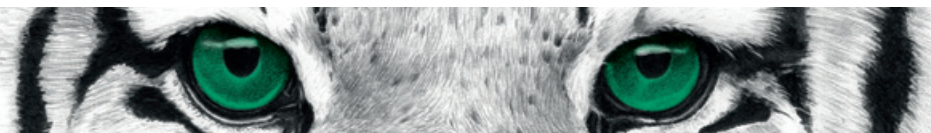


## ■ CHECK VALVES CARTRIDGE STYLE



Available with UNF and Metric cavity.

**Max flow** from 40 up to 200 l/min  
**Max pressure** up to 350 bar



## ■ COUNTERBALANCE VALVES CARTRIDGE STYLE

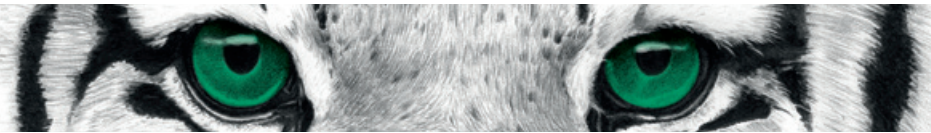


Available for open and closed center, with UNF and Metric cavity.

Standard pilot ratio 4,25:1 and on request pilot ratio 3:1,8:1,10:1.

**Max flow** from 20 up to 200 l/min

**Max pressure** up to 350 bar



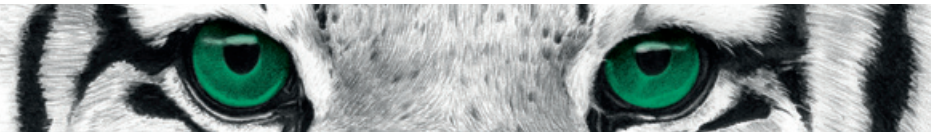
## ■ PILOT OPERATED CHECK VALVES CARTRIDGE STYLE



Available with UNF and Metric cavity.

**Max flow** from 20 up to 200 l/min  
**Max pressure** up to 350 bar



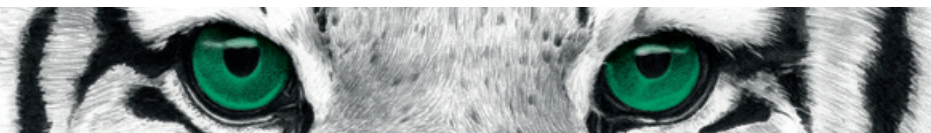


## ■ PILOT OPERATED RELIEF VALVES CARTRIDGE STYLE



Available with UNF and Metric cavity.

**Max flow** from 100 up to 400 l/min  
**Max pressure** up to 350 bar



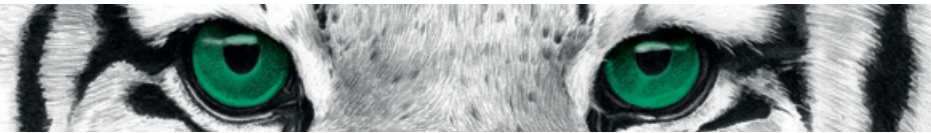
## ■ FLOW DIVIDER COMBINER CARTRIDGE STYLE AND IN LINE VERSION



Available with UNF and Metric cavity, with aluminium body (steel body only to request).

**Flow division ratio** 50%-50%, 7 different flow range from 3 up to 150 l/min

**Max pressure** up to 350 bar

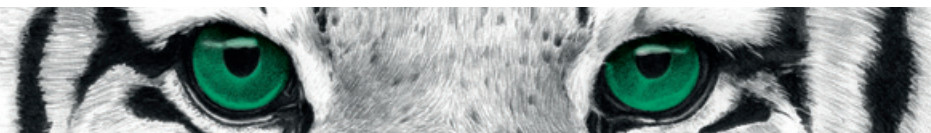


## ■ TWO AND THREE WAYS PRESSURE COMPENSATED FLOW REGULATOR VALVES CARTRIDGE STYLE



Available with UNF and Metric cavity.

**Max flow** from 1 up to 250 l/min  
**Max pressure** up to 350 bar

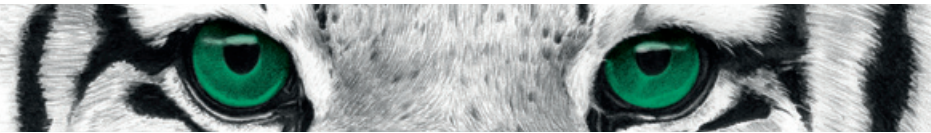


## ■ NEEDLE VALVES CARTRIDGE STYLE AND IN LINE VERSION

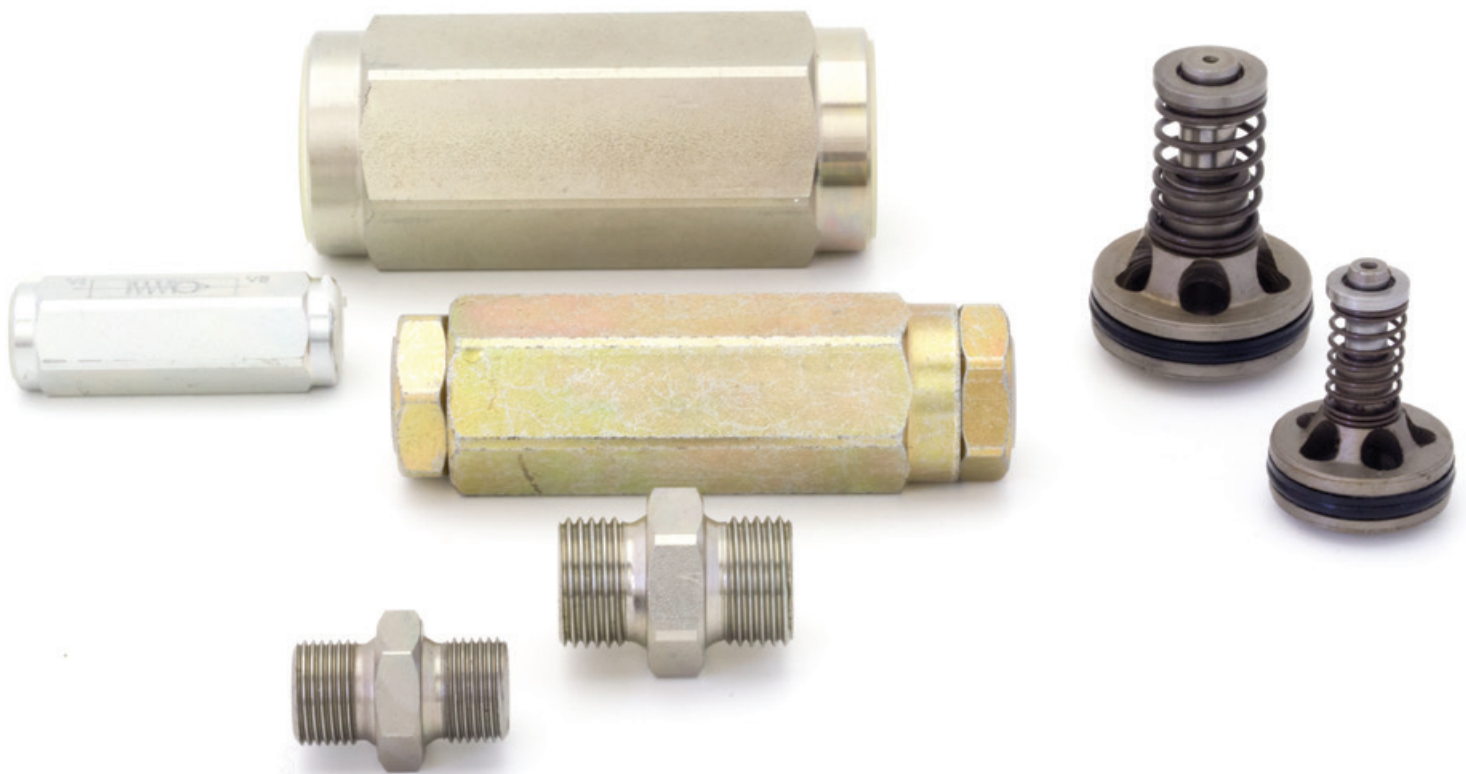


Available with UNF and Metric cavity, with steel body.

**Max flow** from 5 up to 200 l/min  
**Max pressure** up to 350 bar

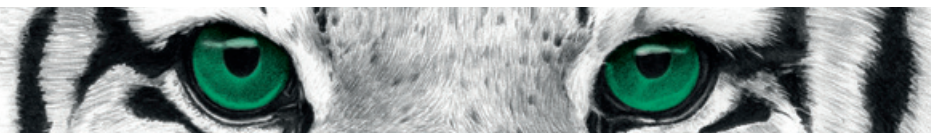


## ■ IN LINE CHECK VALVES



Available with steel body.

**Max flow** from 15 up to 200 l/min  
**Max pressure** up to 500 bar

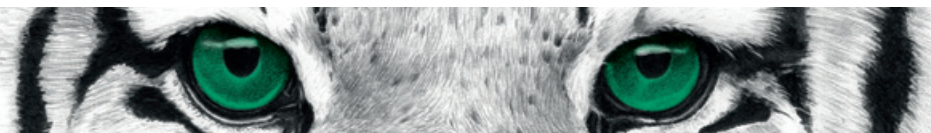


## ■ TWO, THREE, FOUR WAYS PILOT OPERATED SEQUENCE VALVES CARTRIDGE STYLE

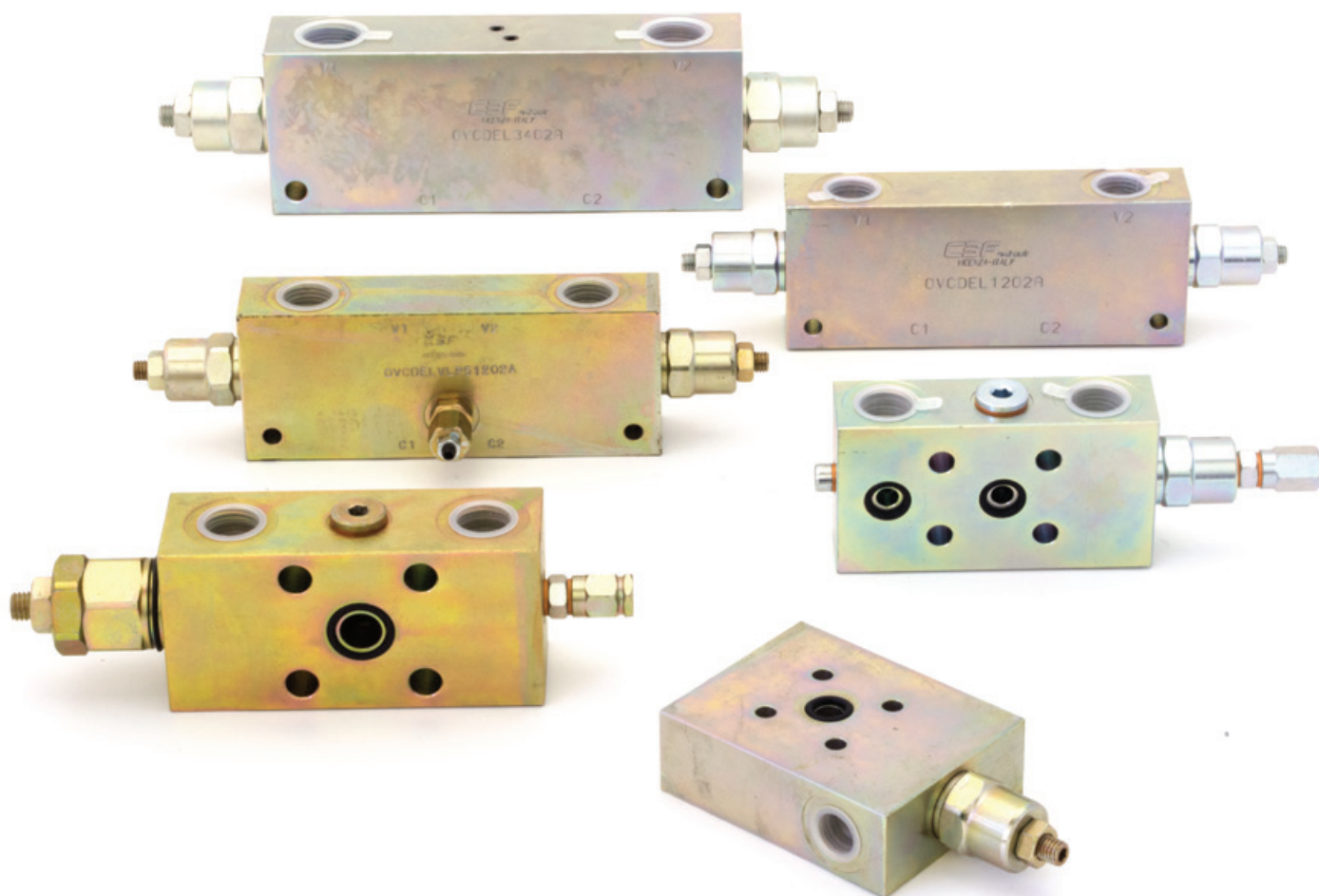


Available with UNF and Metric cavity.

**Max flow** from 5 up to 400 l/min  
**Max pressure** up to 350 bar



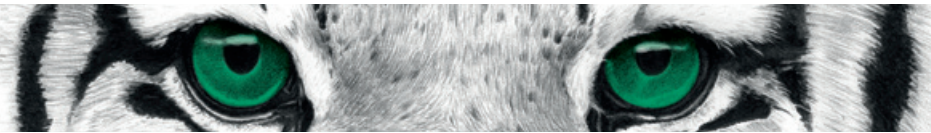
## ■ COUNTERBALANCE VALVES



Available for open and closed center, in line, flangeable on hydraulic motors and on hydraulic cylinders; with aluminium and steel body.

Standard pilot ratio 4,25:1 and on request pilot ratio 3:1,8:1,10:1.

**Max flow** from 40 up to 200 l/min  
**Max pressure** up to 350 bar



## ■ COUNTERBALANCE VALVES

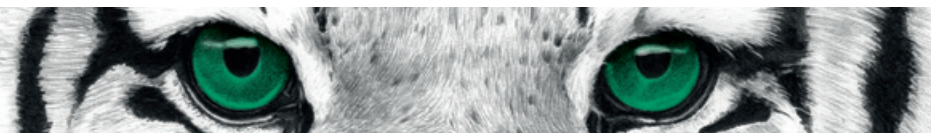


Available for open and closed center, in line, flangeable on hydraulic motors and on hydraulic cylinders; with aluminium and steel body.

Standard pilot ratio 4,25:1 and on request pilot ratio 3:1,8:1,10:1.

**Max flow** from 40 up to 200 l/min  
**Max pressure** up to 350 bar





## ■ AUTOMATIC DIRECTIONAL VALVES NG6 AND NG10



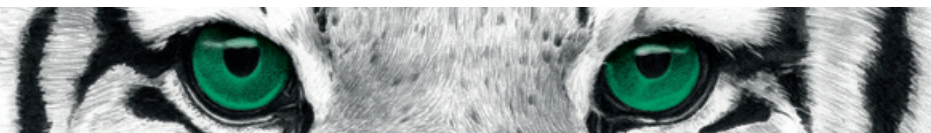
Available with cast iron body.

**Max flow** from 30 up to 70 l/min  
**Max pressure** up to 300 bar

### Shuttle valves cartridge style and in line version

Available with UNF and Metric cavity, with aluminium body.

**Max flow** from 3 up to 100 l/min  
**Max pressure** up to 350 bar

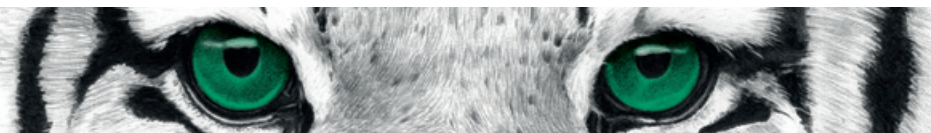


## ■ SINGLE AND DOUBLE PILOT OPERATED CHECK VALVES



Available in line and flangeable on hydraulic cylinders, with aluminium and steel body.

**Max flow** from 20 up to 80 l/min  
**Max pressure** up to 350 bar

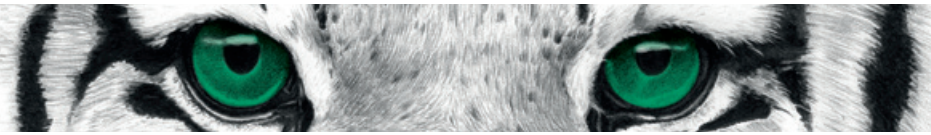


■ **TWO AND THREE WAYS PRESSURE COMPENSATED FLOW REGULATOR VALVES IN LINE**

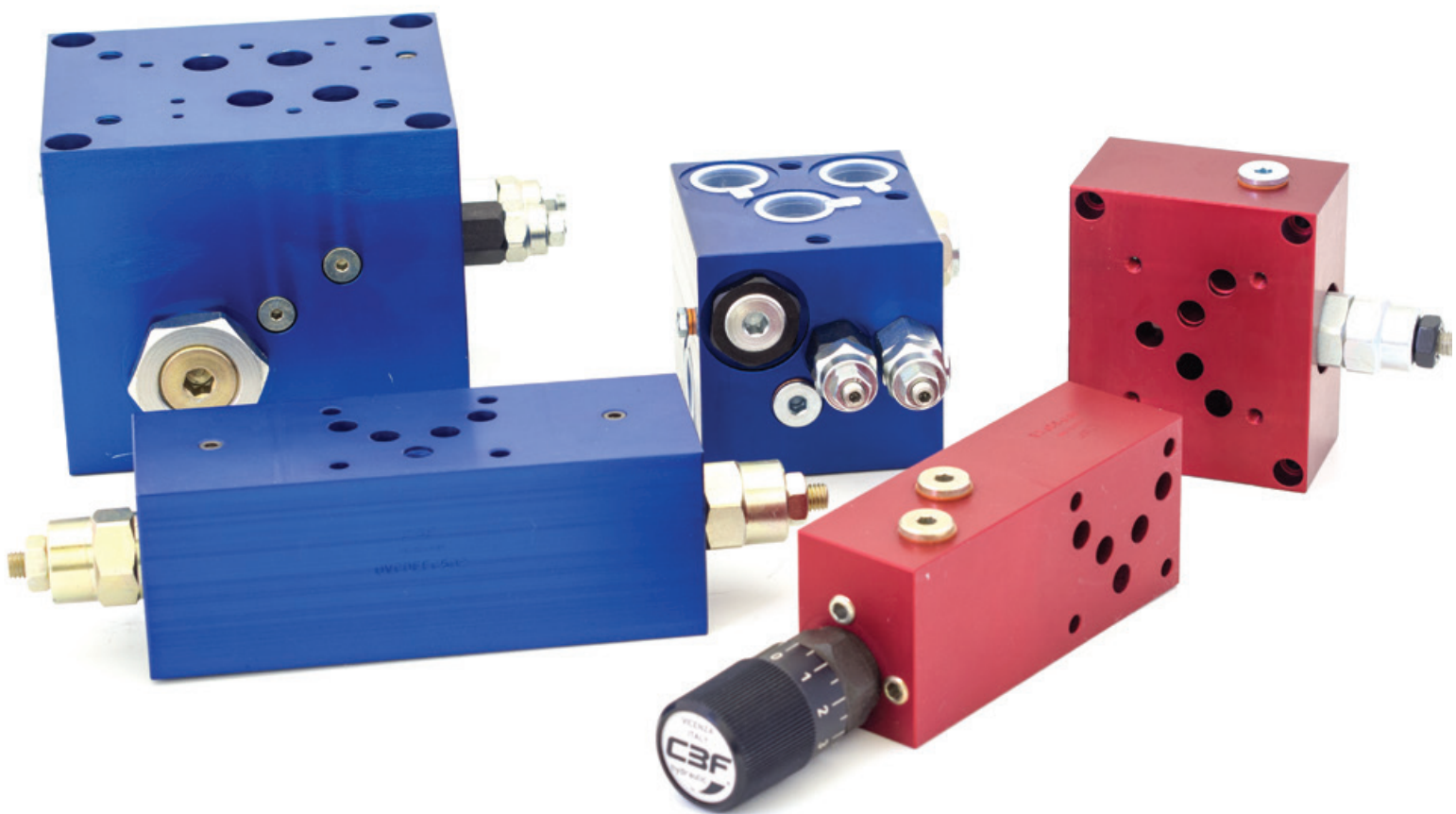


Available with aluminium and steel body.

**Max flow** from 1 up to 380 l/min  
**Max pressure** up to 350 bar



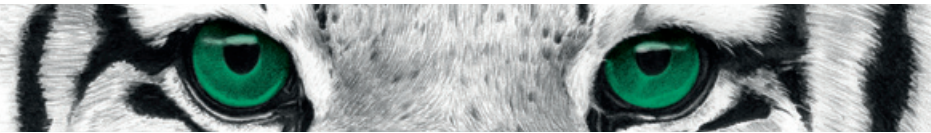
## ■ SINGLE AND DOUBLE SANDWICH MOUNTING NG6 AND NG10 VALVES



Available with aluminium body ( steel or cast iron body only to request).

The range includes counterbalance valves, two and three ways pressure compensated flow regulator valves, pilot operated check valves, relief valves, solenoid directional valves, relief-unloading valves high low pressure, needle valves, sequence valves, pressure reducing valves, manifold plates, packing plates.

**Max flow** from 40 up to 90 l/min  
**Max pressure** up to 350 bar



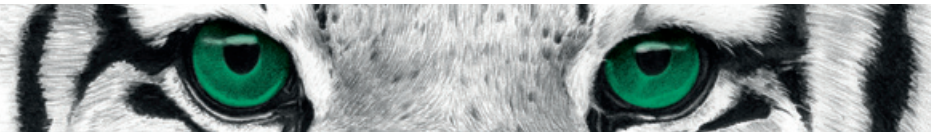
## ■ SINGLE AND DOUBLE SANDWICH MOUNTING NG6 AND NG10 VALVES



Available with aluminium body ( steel or cast iron body only to request).

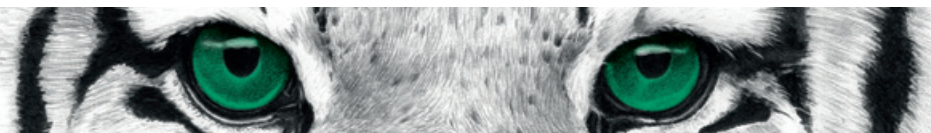
The range includes counterbalance valves, two and three ways pressure compensated flow regulator valves, pilot operated check valves, relief valves, solenoid directional valves, relief-unloading valves high low pressure, needle valves, sequence valves, pressure reducing valves, manifold plates, packing plates.

**Max flow** from 40 up to 90 l/min  
**Max pressure** up to 350 bar



■ **INTEGRATED MANIFOLDS CUSTOM MADE  
FOR OUR CUSTOMER**



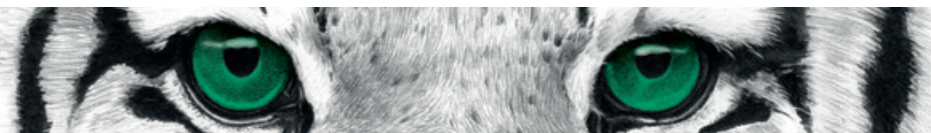


■ **TWO, THREE, FOUR WAYS SOLENOID DIRECTIONAL VALVES NORMALLY OPEN AND NORMALLY CLOSE, POPPET TYPE AND SPOOL TYPE CARTRIDGE STYLE**



Available with UNF and Metric cavity, with and without screw emergency.

**Max flow** from 10 up to 200 l/min  
**Max pressure** up to 400 bar



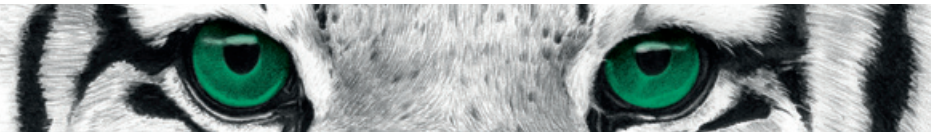
## ■ DIRECT ACTING RELIEF VALVES CARTRIDGE STYLE



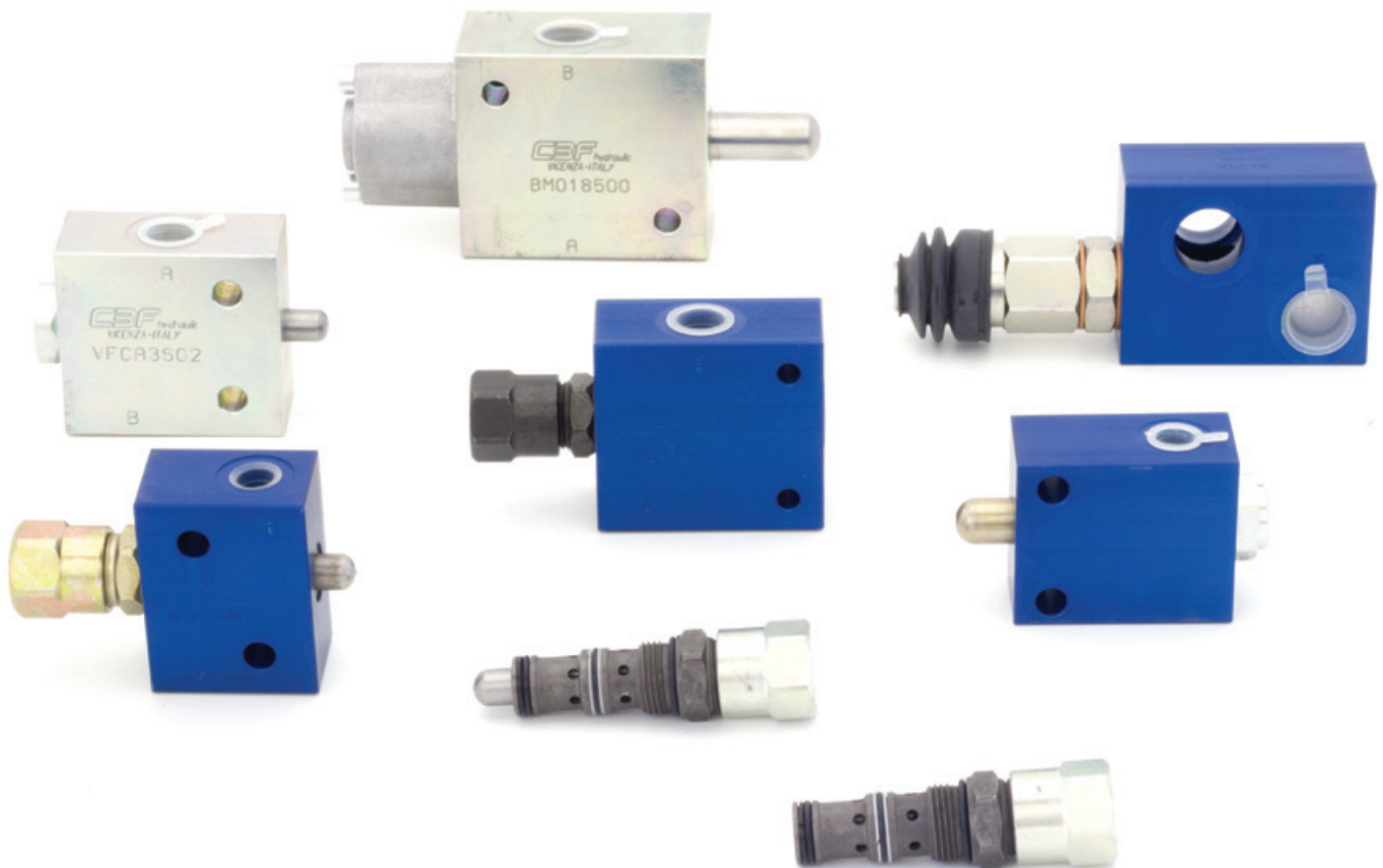
Available with UNF and Metric cavity.

**Max flow** from 5 up to 400 l/min  
**Max pressure** up to 350 bar



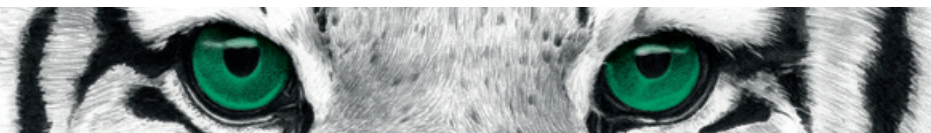


## ■ END OF STROKE/CYLINDER LOCK VALVES CARTRIDGE STYLE AND IN LINE VERSION



Available with UNF and Metric cavity, with aluminium and steel body.

**Max flow** from 25 up to 100 l/min  
**Max pressure** up to 400 bar

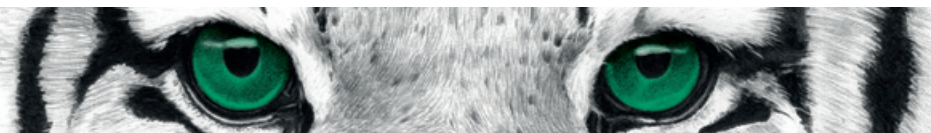


## LEVER OPERATED HYDRAULIC VALVES AND HAND PUMPS



Available with cast iron body.

**Max flow** from 10 up to 70 l/min  
**Max pressure** up to 400 bar



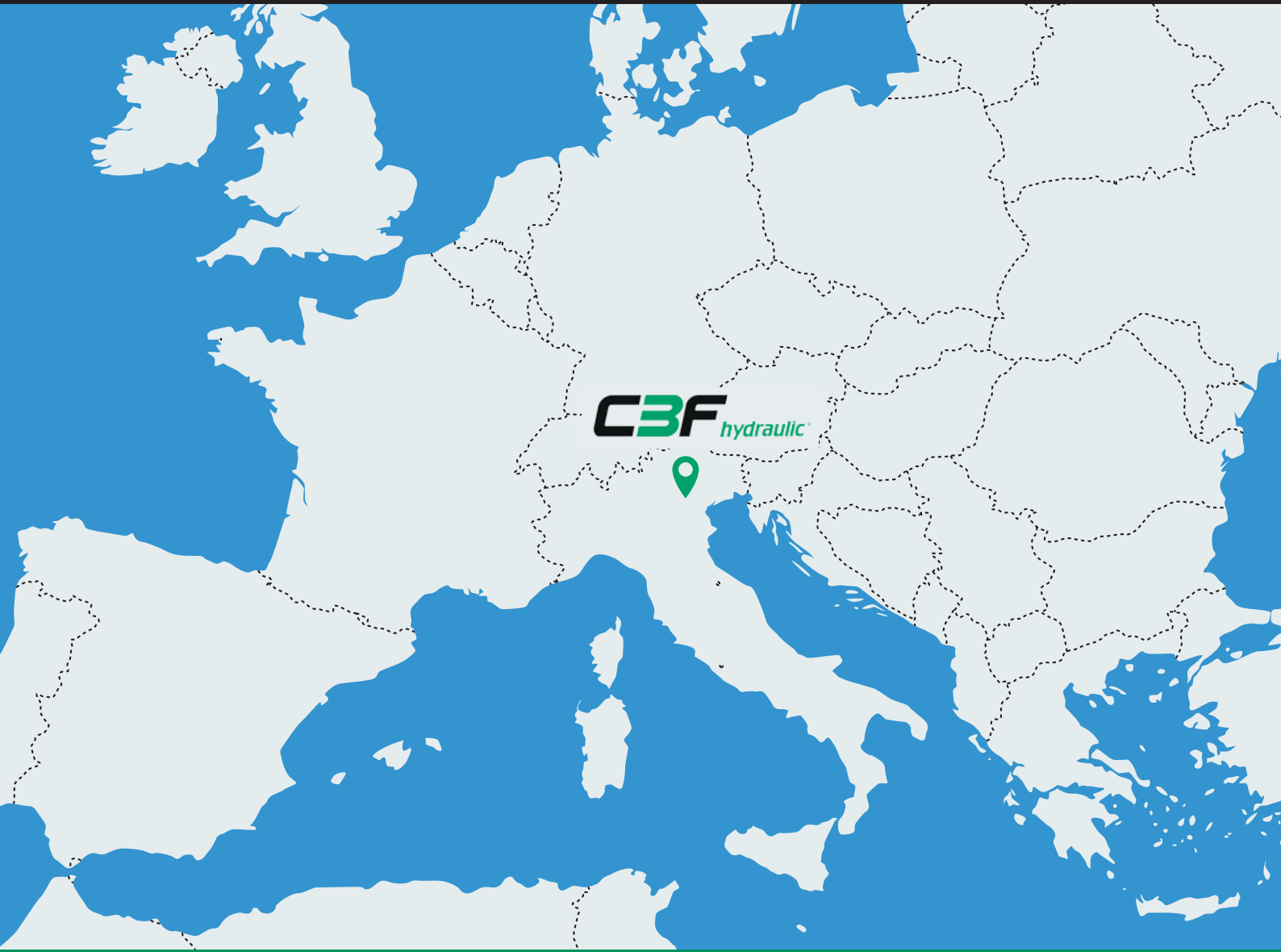
## ■ SINGLE AND DOUBLE HYDRAULIC MOTORS FLANGEABLE VALVES



Available with aluminium body ( steel or cast iron body only to request).

The range includes counterbalance valves, three ways pressure compensated flow regulator valves, relief valves, solenoid directional valves, needle valves, shuttle valves, rotating distributors.

**Max flow** from 40 up to 90 l/min  
**Max pressure** up to 350 bar



## ■ CONTACTS

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