



HYDRAULIC MACHINE 600 KN / 1000 KN (Up to 50 mm/s)

Hydraulic Testing Machine with 600 KN or 1000 KN capacities, with a special hydraulic system

The special hydraulic system is composed by pressure accumulators. When this pressure accumulators are charged, they allow to reach a 50 mm/s testing speed. It is necessary 3-5 minutes to charge the accumulator after each test

HYDRAULIC TESTING MACHINE DI-CP/V4 600 KN

Composed by:

- § 4 columns frame DI-V4
- § Hydraulic Group with servo-valve "Moog"
- § Hydraulic System with 20 litres capacity accumulator
- § CPC Control and Measure System

The DI-V4 frame has the following advantages:

- § Lower fixed grip
- § System of approach by four screw columns
- § No need for a hole below the machine
- § Same Testing zone for Tensile or Compression
- § Same Load cell for Tensile and Compression

The computer control is a closed loop of different parameter from the test (Force, Displacement and Deformation) and allows testing with constant increase of any of these physical parameters

The structuring of the control specifications in various steps (up to 10) facilitates the user the generation of simple or complex control specifications, enabling to interlace several steps to obtain repetitive sequences of tests.

The program also allows to establish a control that allows even to modify the speeds and limits of the specifications during the same test. The data generated by the tests can be consulted in different references or formats for other programs or data bases (ACCESS compatible), allowing the same user to convert the results in special reports, consultations, statistics, etc..

TECHNICAL FEATURES:

Capacity: 600 KN
Piston stroke (Hydraulic): 300 mm
Aproximation stroke (screw columns): 1200 mm
Piston speed: 100 mm
Aproximation speed: 250 mm/min

Tensile Zone:

Clearance between columns: 660 mm
Between clamps: 50 – 1250 mm
Clamps: Sample jaws set
 § Rectangular From 0 to 25 mm x 90 mm
 § Rounded: From 8 to 20 mm diameter
 § Rounded: From 20 to 36 mm. diameter

Compression Zone:

Clearance between columns: 660 mm
Between plates:
 § Lower grip displaced: 50 – 1350 mm
 § Supporting the plate over the lower grip: 0 – 1000 mm
Compression plates: 200 mm diameter

Flexural Zone in 3 zones (Optional, Device no included in the standard supply)

Roller diameter: 50 mm
Support Height: 125 mm

DI-CPC/V4 Frame dimensions:

Minimum Height: 3000 mm
Maximum Height: 3500 mm
Base width + Grip controls: 1200 mm
Depth: 1150 mm
Computer control group: 600 x 600 x 1900 height
Hydraulic Group: 800 x 800 x 1000 height
Power supply: 380V Three phase
Power: 3800 VA

