

UPGRADING OPTION: COMBINED TWO FRAMES GROUP

All motorized compression testing machines listed in the previous pages can be upgraded with an hydraulic two ways distribution valve for connection and control (alternative, and non-simultaneous) to a second frame, like for example flexural frame or cement compression frame, with obvious functional and economic advantages (especially in the digital solutions).

A hydraulic two ways distribution valve may activate the standard frame or the second combined frame by using only one hydraulic pressure source.

The load of the second combined frame is measured by using one of the channels foreseen on the readout unit connected to the specific pressure transducer fixed on the second frame.

The additional combined frame is supplied complete with a hydraulic two way distribution valve, specific pressure transducer connected to one channel of the digital readout unit, pipes, connectors, accessories, Matest calibration certificate.

The two frames group can be combined with many different solutions, according to the specific exigences of the customer, with the possibility to perform:

- **COMPRESSION TESTS ON CONCRETE CUBE, CYLINDER AND BLOCK SAMPLES**, by choosing the standard compression machine among our different available models from 1300kN to 5000kN capacity (see p. 230...281)
- **FLEXURAL TESTS ON CONCRETE BEAMS, FLAT BLOCKS, FLAGSTONES, KERBS, SLABS, TILES** etc. (see p. 288...303)
- **COMPRESSION AND FLEXURE TESTS ON MORTAR SPECIMENS** (see p. 412...431)

The composition of the combined group is obtained by:

C092-01

FLEXURAL FRAME 150 KN CAPACITY

(technical details and specific accessories at p. 290) complete with pressure transducer, two way hydraulic valve, used in conjunction with a digital compression machine (Digitec, Autotec, Cyber-Plus / Servo-Plus Evolution) (see p. 230...281).

C092-11

FLEXURAL OPEN SIDED FRAME 150 KN CAPACITY

(technical details and specific accessories at p. 292) complete with pressure transducer, two way hydraulic valve, used in conjunction with a digital compression machine (Digitec, Autotec, Cyber-Plus / Servo-Plus Evolution) (see p. 230...281).



C055N

C092-01



C077N

C092-11 + C091-12

C092-15 FLEXURAL HIGH STIFFNESS FRAME

200 KN CAPACITY

(technical details and specific accessories at p. 294) complete with pressure transducer, two way hydraulic valve, used in conjunction with a digital concrete compression machine (Digitec, Autotec, Cyber-Plus, Servo-Plus Evolution) (see p. 230...281)



C077N

C092-15 with accessories

C095N-05 FLEXURAL AND TRANSVERSE MULTIPURPOSE FRAME

320 KN CAPACITY

C-SHAPED OPEN FRAME

Technical details and specific accessories at p. 296.

Complete with pressure transducer, two way hydraulic valve, used in conjunction with a Servo-Plus Evolution compression machine (see p. 230...281).



C095N-05

C092-05 COMPRESSION FRAME ON MORTAR SPECIMENS

250 KN OR 500 KN CAPACITY

(mod. E159D, E159N, E159-01D, E159-01N, E161A, E161N, E161-02A, E161-02N technical details and specific accessories at p. 416...421).

Complete with pressure transducer, two way hydraulic valve, used in conjunction with a digital concrete compression machine (Digitec, Autotec, Cyber-Plus / Servo-Plus Evolution) (see p. 230...281).



C055N

C092-05 / C092-06

C092-06 COMPRESSION/FLEXURAL FRAME ON MORTAR SPECIMENS

Dual range:

0-250 kN (or 500 kN) for compression tests

0-15 kN for flexure tests (mod. E160N, E160-01N, E161-01N, E161-03N technical details and specific accessories at p. 422...425) complete with two pressure transducers, two way hydraulic valve, used in conjunction with a digital concrete compression machine (only Cyber-Plus / Servo-Plus Evolution) (see p. 230...281).

In addition to the proposed groups, it is possible to compose many other alternative testing groups, with the digital display measuring system, like for ex:

- Group formed by two concrete compression frames.
- Group formed by one concrete flexural frame and one mortar compression frame...etc.

Please contact Matest technicians for your needs and you will receive the most suitable solution.



Group Example