

## MGC1 & MGC2

### Manual Gas Pressure Controller

Manual Gas Controller

Calibration of pressure instruments,  
pressure gauges and transducers

Range: -0.9 to 200 bar



#### Technical data

Range:

MGC1: -0.9 – 7 bar ; 0 – 200 bar

MGC2: 0 – 200 bar

Fluid:

Nitrogen or clean and dry air

Material:

tube and fittings: 200 bar - copper/brass

frame: aluminium

case: alloy epoxy painted steel

Volume adjuster:

MGC1: movable back/forward : over  
110mm

MGC2: fixed with trust-bearing (needle  
bearing)

#### Scope of delivery

- manual pressure controller
- 2 fast connectors 1/2" BSP F
- instruction and installation manual

#### Dimensions

420 x 420 x 200 mm

#### Weight

20 kg

#### Accessories / Options

Toolkit:

1/2", 1/4" BSP female adapter

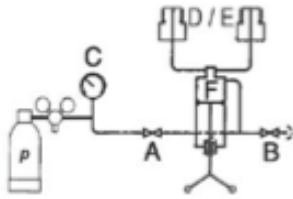
2 single-spanners

1 pointer-punch and remover

1 hammer 1 seal kit

Model CI-X-13-090313-01  
P-MGC-E-0715-3

## Principle



### Air pressure generator

The pressure generator should be used with nitrogen or alternatively with CLEAN and DRY gas ( $p$ ). It has been fitted with two needle-valves: one for inlet pressure (A) or vacuum pressure (with a vacuum pump) and the other for outlet (B). Two fittings (D/E) are designed to mount the devices to be compared. The variable volume (F) varies by turning the volume adjuster and allows a fine pressure setting. The pressure setting is made in addition through inlet and outlet needle valves adjustment A and B). The input pressure is controlled with a pressure gauge (C).

## Drawings

