



## GNC, CNG, GNV o NGV

### Periodical Cylinder Revision Centers

Cym Materiales manufactures a full line of equipment for “Periodical Cylinder Revision Centers” to inspect GNC (Gas Natural Comprimido), CNG (Compressed Natural Gas), GNV (Gas Natural Vehicular) or NGV (Natural Gas Vehicles) cylinders. Systems are available for handling small or large production volumes. Technical advice as well as turn key plants are also available from Cym Materiales.

Cym equipment is designed for use in the most demanding applications. Cym systems are durable, easy to use and compact in design.

#### Ventilation Gas Chamber – CVG-200 Its

CVG-200Lts Ventilation Gas chamber to empty out remanent gases inside the GNV cylinders.

- 200 liters capacity Tank / Water(50%)- Chlorine(50%)
- Manufactured
- General Structure: steel
- Tank: reinforced plastic
- 4 (four) GNV cylinders connection
- Size & weight: 820x1000x1500h – 80 kgs





### Cylinder Press PD-1

- Cylinder press for manually valves removal
- 1 (one) Valve Key
- Robust steel construction: 2m de length x 0.53m de wide x 0.8m high
- Pneumatic press cylinder
- Size & weight: 560x2100x1700h – 100 kgs

### Tilting Table - 180° - 3 p

- 2 Manually pneumatic push button
- 3 work Position
  - Horizontal
  - 45° - for inside cleaning
  - Vertical – to take off water, contaminants and oil
- Robust steel construction: 2.4m de length x 0.8m de wide x 1.44m de high
- Maximum length cylinder 2 m

### Tilting table - 90° 2p - insp

- Tilting table for visual cylinder inspection
- Robust steel construction: 1.7m de length x 0.8m de wide x 1.44m de high
- Pneumatic driven
- 2 (two) parallel Rollers to rotate cylinders - manually movement
- Size & weight: 790x1500x1700h – 300 kgs



## Automatic hydraulic pressure testing machine - ph-1 a

PH-1 Automatic Hydraulic pressure testing to measure cylinder deformation according to IRAM2587

- Volume expansion Test for cylinders between 30 tom 90 liters capacity
  - Optional: Cylinder between 90 to 140 liters capacity
- Cycle time: according to the cylinder size could be between 4 to 7 minutes  
Cycle time Does not include times for filling, emptying cylinder and valve connection
- Operating condition: Ambient temperature (max. 40°C) and humidity
- Robust steel construction: 0.6m x 0.7 x 1.6m high
- Size & weight: 760x1200x1750h – 500 kgs
- Hydraulic pump
  - 3HP motor.
  - Maximum pressure work 300 kg/cm2
  - 1 electronic manometer
  - 1mechanical manometer.
- Electronic Weighing machine
- Water Temperature Censors - 0°/100° C range
- Control Panel according to IEC – IP55 protection
- CLP – Unitronix V230-13-B20B – Snap in and Ethernet card - PLC stores up data for 1000 trials
- Software for data archives, calculation and direct measurement (water temperature and cylinder weight).



### Exclusions

- Pump for fast filling of cylinders
- CPU for crossing of data from the CLP of the equipment





## ECOGNC - Shot Blast Cleaning Machine

GNC ECOGNC blast cleaning machine makes them suitable for processing cylinders of different sizes. Once the door is closed the blasting cycle initiates. The blast wheels and parallel rollers start spinning producing a continuous rotation of the cylinder for consistent cleaning.

When the blasting process finishes, the machine stops automatically allowing the unloading of the cylinders to take place.

- Blast cabinet is made of ¼" steel plate –
  - Pneumatic door loader
  - Full Internal rubber protection
  - 2 (two) steel parallel rollers – 0.75 HP driven
- Maximum cylinders capacity: 400 mm diameter x 1.8 m length
- 2 (two) turbines TR250 – 10 HP direct driven
- Dust collector CART 1NM
- Control panel
- Size & weight: 1630x2550x2130h – 1600 kgs
- Pneumatic Tilting Table 90° 2P BCM for cylinder loading - unloading cylinders - Size & weight: 710x1800x1450h – 350 kgs



## Paint booth

- Paint booth is made of 2 mm galvanize steel plate
- 2 (two) Pneumatic cylinder loader
- Filters
- Fan
- Size & weight: 2500x2000x2400h – 300 kgs



## Others

- Cylinder support bases of vertical position for cylinders of GNC in delay - Size & weight: 430x500x760h – 35 kgs
- Manual cars for the movement of cylinders of GNC within the different stages from verification - Size & weight: 590x870x970h – 35 kgs
- Dies for manually marked of cylinders and identification of repairing factory
- 12v. lamp for internal inspection cylinder
- Ultrasound Measurer thicknesses - SCHWYZ SC118



# CYM MATERIALES S.A.

Industrial Solutions

## Administration and factory

Brig. Estanislao Lopez N° 6  
[S2108AIB] Soldini - Santa Fé - Argentina  
Tel: [54-341] 490 1100 | Fax: [54-341] 490 1366  
E-mail: [info@cym.com.ar](mailto:info@cym.com.ar)  
[www.cym.com.ar](http://www.cym.com.ar)

## Metalcym Brasil

Rua Mário Junqueira da Silva nº 684 - Jd Eulina  
Campinas - SP - Brasil - CEP.13063-000  
Tel: [55-19] 3242-9777 - Fax: [55-19] 3243-7236  
E-mail: [metalcym@metalcym.com.br](mailto:metalcym@metalcym.com.br)  
[www.metalcym.com.br](http://www.metalcym.com.br)

