

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
 - o 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
 - o 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
 - o Pneumatic door loader
 - o Full Internal rubber protection
 - o 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



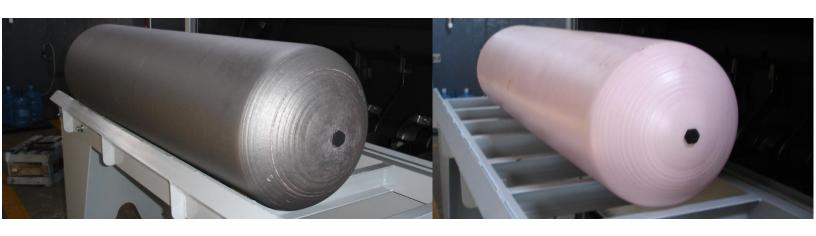


Paint booth

- 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







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