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8865 5087, 8865 5097 Fax no: (+98) 21- 8865 5133

:Factory Address Oshtorjan Industrial City, Shahrekord road  
Police Station, Zobahan Highway, Isfahan, Iran Phone no: (+98)  
31- 3760 8701 to 6 Fax no: (+98) 31- 3760 8700

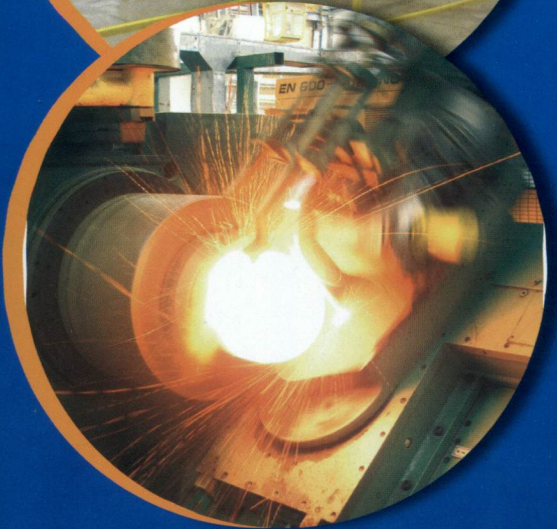
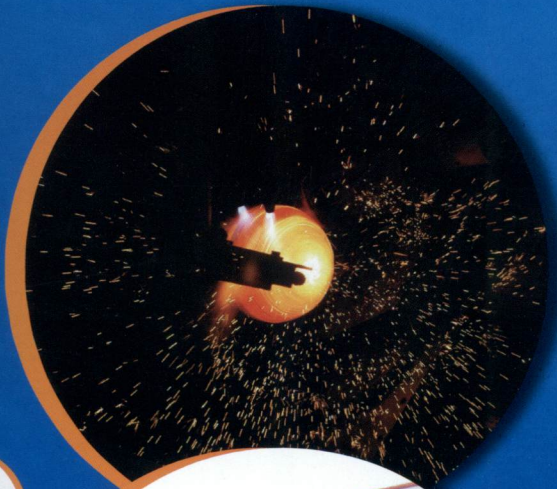
| [www.parsmcs.com](http://www.parsmcs.com) | [info@parsmcs.com](mailto:info@parsmcs.com) |

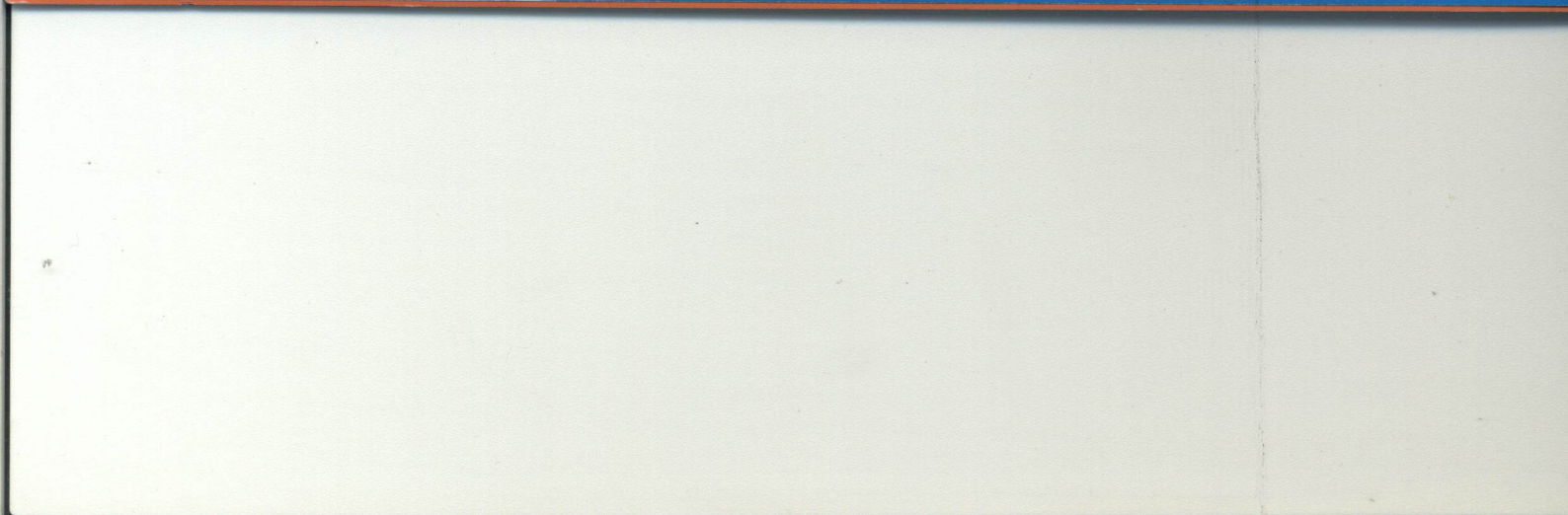
*in The Name of God*

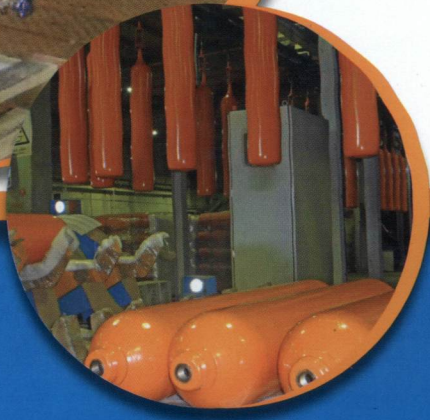
## Pars MCS Co. is one of the biggest and the

most developed manufacturers of high pressure cylinders in the world. Having continuous cooperation with MCS Int. Company of Germany and using the latest and the most advanced equipment, Pars MCS has started its activity in Iran since 2004. Currently Pars MCS produces all types of high pressure cylinders such as cylinders for vehicle using compressed natural gas (CNG), gas Refilling Stations, industrial, medical, and gas transportation. In order to extend the basket of products and provide technical and engineering services in gas industry section, this company has designed, invested and installed the natural gas transportation projects (by mother-daughter method) in recent years.

Considering company's mission in CNG and high pressure cylinders' industry and in order to contribute to sustainability of this industry, increasing the safety and satisfaction of customers, relying on advanced technology, cooperation with MCS International of Germany, experiences and scientific abilities of its experts, standardize and increasing the quality of products and tests reliability, Pars MCS took actions to complete its laboratory with instruments and acquired necessary certificates for testing of products in process and periodic inspection of high pressure cylinders. In this laboratory, tests related to CNG cylinders, fire extinguishers and industrial cylinders is performed according to standards of Institute of standards and industrial research of Iran (ISIRI) for national standards of 7909, 7598, 869, 9426, 6792 and international equivalent standards under supervision of ISIRI.







## Pars MCS Co. is one of the biggest and the

The products of Pars MCS company include:

- Cylinders for CNG Vehicle from 232 mm to 406 mm diameters in 20-220 liters' volume.
- CNG Cylinders for Gas Refilling Stations up to 180 liters.
- CNG transferring Cylinders up to 220 liters for gas supply projects in mother-daughter method.
- Industrial and medical gas Cylinders.
- Fire extinguishers
- CNG Cylinders Type II (constituted by metal core and composite fibers)
- Gas Pressure Reduction Unit (PRU)

## Pars MCS Capabilities:

- Total volume of production/ year: 150,000 Cylinders
- Manufacturing of different types of High pressure cylinders
- Cylinders for CNG stations of vehicles refueling with diameter of 267-356 mm up to 160 liters with international standard ISO 9809 and national standard ISIRI 7909
- Production of different types of industrial, medical, fire extinguisher and CNG (type 2) cylinders.
- Performing tests of different types of seamless cylinders according to national and international standards.
- Providing consultancy services for design, produce and test of high pressure cylinders according to latest standards and most updated global technology.
- Design of custom-made cylinders for different industries.
- Provision of required equipment for storage of CNG and Industrial Gases.





## Pars MCS laboratory

One of the Pars MCS company activity is providing laboratory and inspection services of high pressure cylinders according to framework of certificate of accredited laboratory. Pars MCS laboratory acquired the certificate of qualification from ISIRI to perform inspection and tests of steel cylinders in 2014. Currently this laboratory is capable of performing all tests linked to manufacture and carry out periodic inspection of steel cylinders for vehicles, CNG stations, industrial, fire extinguishing and etc. according to standards of:

- ISO 6406 (ISIRI 6792) - Inspection and periodic tests of seamless steel cylinders.
- ISO 19078 (ISIRI 9426) quality inspection of high pressure cylinders of vehicles for CNG storage.
- ISIRI 869 for powdery fire extinguisher - leakage test (hydrostatic) ECE R 110, ISIRI 7598 tests of CNG cylinders of vehicle.
- ISO 9809, ISIRI 7909-1 tests of seamless steel cylinders with tensile strength lower than 1100 MPA (Mega Pascal)
- ISO 9809-2, ISIRI 7909-2 tests of seamless steel cylinders with tensile strength higher than 1100 MPA





## Major customers of the company

- IRAN KHODRO Co.
- SAIPA Co.
- ZAMYAD Co.
- National Iranian Gas Company

Credible companies working in the field of manufacture and installation of equipment of CNG Refilling stations and daughter stations in mother-daughter gas transfer projects.

Pars MCS has the biggest laboratory accredited by Standard bureau for testing of high pressure cylinders with the following work scope

Performing of all periodic inspection tests of high pressure cylinders of CNG vehicle, stationary and all medical and industrial cylinders. Performing of periodic inspection tests of fire extinguisher cylinders.

Tehran office: no.12, Baghsara Dead end, Shad St, Mollasadra Ave, Vanak Sqr. Phone no:

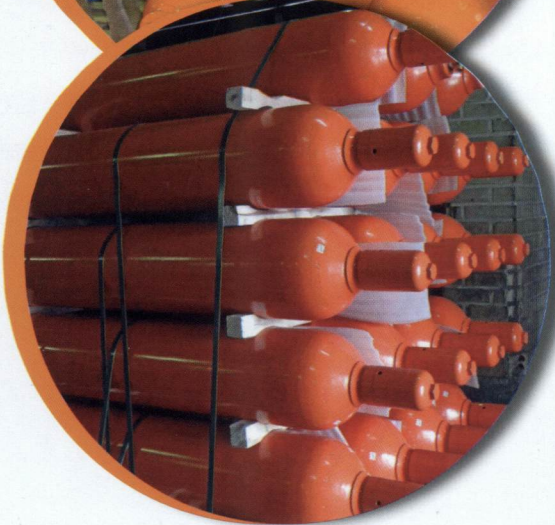
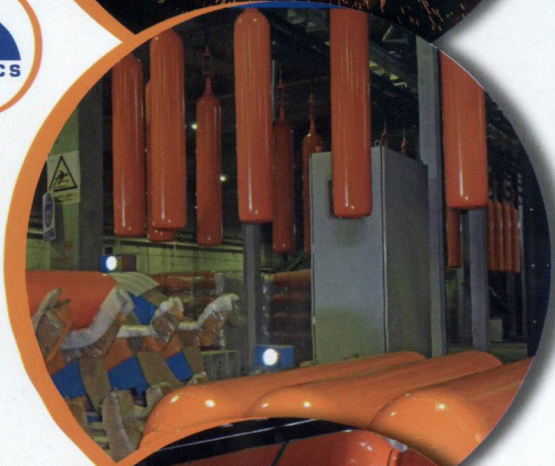
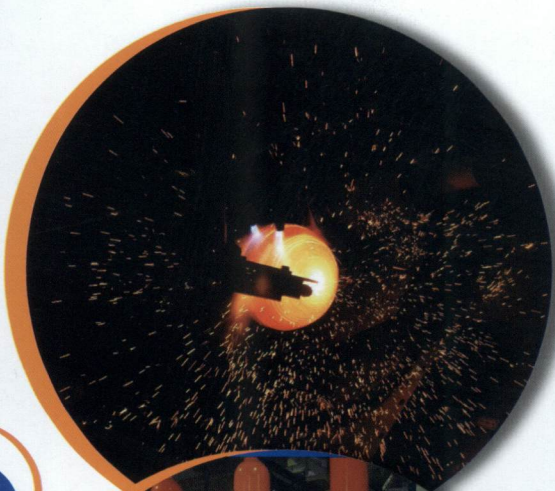
88649073 – 88655087- 88655093 Fax no: 88655133 Central Laboratory is located in factory (branch no:1)



Sulfide stress cracking
Hydrostatic pressure burst test
Tensile tests
Impact test
Bend test
Leak-before-break (LBB)
Brinell, Rockwell and Vickers hardness test
Coat Adhesion test
Ambient temperature pressure cycling
Bonfire test
Penetration test
Coating thickness test
Ultrasonic test
Hydrostatic proof pressure & volumetric expansion test
Pneumatic Leak test
Magnetic particle test
Metallography



Pars MCS Co.



## List and address details of Hydrostatic labs

Oshtorjan Industrial City, Shahrekord road  
Police Station, Zobahan Highway, Isfahan,  
Iran Telephone: 031-

37608701-6 Branch no 2; Address: 7th  
Danesh, Siahsang, Khorramshahr, Tehran

Postal Code: 1653157356 Phone no:  
(0)21- 44853970 Branch No 3; Golabi Sai-

pa Diesel, opposite to 1st intersection, main  
Boulevard, Phase 1, Amir Kabir workshop  
complex, Shahreza Branch no 4; No.96,

before gas station, Arghavanieh St, Isfahan  
Postal Code: 8159888763, Phone no:

(0)31- 35311657 Branch no 5; Center of ve-  
hicle examination, next to bus terminal site,

Ahvaz road, Abadan, Khuzestan Province  
Phone no: (0)61- 5325530, postal code:

6315774196 Branch no 6; No.8, Tootak,  
Lappeh Zang Industrial complex, West

Khavaran, Khavaran, Tehran Phone no:  
(0)21- 33650611, postal code: 1865144803

Branch no 7; Corner of 7th West St, Ehsan  
St,

Tehran Phone no: (0)21- 77335293, Phone  
no: 1658749431

## Acquired Certificates

Quality Management System ISO IATF6949:2016 Quality Management System ISO 9001:2015 Occupational Health and Safety Management System; OHSAS 18001 :2007 Environmental Management System ISO 14001:2015 Certificate of Accredited Laboratory ISIRI-ISO/IEC 17025 Certificate of Design and Type Approval, issued by TUV NORD and Certificate of ISIRI for Cylinders of 232mm, 325mm, 406 mm, and 356 mm for Vehicles and stationary cylinders with length of 700 – 2200 mm and volume of 20-200 liters according to standards of ISIRI 7909, ECE R 110, ISO 9809, ISO 11439 holder of E-Mark (export license to European Union Countries) for Cylinders with volume of 35Liters.



## Objectives and Organizational Values

Honesty and Customer Orientation Customer Driven by arranging and keep connecting with customers and assessing their satisfaction level Quality Increasing the quality of products and providing technical and laboratory services. Efficiency Process oriented by planning, monitoring and measuring, reviewing and continuous improvement of processes. Competitive Strength Updating the technologies and methods using for increasing the efficiency and improvement of staff performance to gain the new market.



## **Gas supply by Mother-Daughter Method**

In some small cities, villages or industrial cities having small population, or being impassable or other obstacles, constructing Gas Transmission Line is very tough and in some cases too costly which is not economically feasible. In Mother-daughter method, gas transmission is performed by trailers or truck carrying CNG cylinders. In this system, the CNG supplier station is so-called "Mother Station" and the service provider station is so-called "Daughter Station". In this method gas is carried to Daughter Station of areas lacking of pipelines by trailers, containing CNG cylinders, and after pressure reduction in the Daughter Station, is distributed through internal gas pipeline network.



**This method of gas supply has many advantages in widespread scale including:**

- Executing this project prevents from carrying liquid gas by capsule for industrial and household uses.
- Many forest-side villages use fossil fuels such as oil and gasoline for heating in winter and household and domestic use, or cut the trees to use their firewood as fuel. Therefore, using mother-daughter gas supply will have environmental advantages, too.
- This method can be used to supply gas for various industries and also gas power plants.

