



The state-of-the-art Automated Acetone System is a safe and cost effective necessity for every acetylene cylinder filling station. This system can be used to QUICKLY and ACCURATELY fill and/or weigh out any type of cylinder. It is a must for new facilities. The Automated Acetone System is also ideal as a replacement for an obsolete existing system that is difficult and costly to maintain.

FEATURES

The PCS Automated Acetone System offers the most accurate way to pre-charge a cylinder with acetone before filling with acetylene and to weigh out after the cylinder is filled. This highly reliable system reduces maintenance cost, maximizes profit and offers these key features:

- *All filling procedures comply with DOT regulations*
- *Sealed Stainless Steel NEMA 4X Enclosure*
- *Type-X enclosure purge for safety*
- *Up to 150 psi of incoming acetone pressure*
- *Industrial scale reads up to 500 pounds*
- *Capable of withstanding a 1000 pound shock*
- *Scale can be pit mounted or ramp mounted*
- *Fills all Rexion and Linde style cylinders*
- *Optional two scale system for precision type B/MC cylinder filling*
- *Optional flash drive for record keeping and analysis*
- *Optional operator logging*

The Automated Acetone System may be modified with custom programming to meet varying industry and customer needs.

SAFETY

Safety is the major concern in acetylene cylinder filling stations. The system is enclosed in a sealed stainless steel enclosure with interlocks. This provides Class 1, Division 1, Groups A-D safety when installed to PCS specifications.

EASY OPERATION

The menu driven digital display is easy to understand and to use. An operator can rapidly learn its operation and immediately become more productive.



A few keystrokes on the sealed touch pad controls the entire acetone charging cycle. Pertinent instructions, results, data and any possible error messages are viewed in the accompanying two-line display screen.

The PCS Automated Acetone System will save money by ensuring there are proper amounts of acetylene in each cylinder, and allowing operators to spend less time per cylinder when using these precise filling procedures.

MAINTAINABLE

The stainless steel enclosure is completely sealed. The enclosure may be washed down with no effect upon the system operation.

The Automated Acetone System is supplied with parameters of up to 20 customer specified cylinders. As needs change, new or different cylinders and/or parameters may be programmed into the system.

FUNCTIONAL SPECIFICATIONS

Maximum Load	227 Kg (500 lbs)
Maximum Shock Load	454 Kg (1000 lbs)
Maximum Pressure	1034 KPa (150 psi)
Input Power	90-132 VAC / 180-264 VAC
Input Frequency Range	47 to 63 Hz
Maximum Cylinder Types	20

INDUSTRY STANDARDS

UL 508, File No. E61997: Type 4, Type 4X, and Type 12
NEMA/EEMAC Type 3, Type 4, Type 4X, Type 12, and Type 13
JIC standard EGP-1-1967
CSA File No. LR42186: Type 4, Type 4X, and Type 12
IEC 60529, IP66

PHYSICAL SPECIFICATIONS

	Operation (BOSS) Enclosure	Power Protection Enclosure
Mounting	Floor Mount or Stand Mount	Wall Mount
Construction	14 GA Stainless Steel	
Shipping	Approx 91 Kg (200 lbs)	
Dimensions	610 mm (24 in) H X 762 mm (30 in) W X 203 mm (8 in) D	305 mm (12 in) H X 254 mm (10 in) W X 152 mm (6 in) D

National Type Evaluation Program Certificate of Conformance Pending

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