

Press Release

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Oxygen Charging Rig – Therapeutic Unit

Semmco is a UK leader in design, engineering and manufacture of ground support equipment and aviation access platforms. The company is committed to safety, quality and reliability by implementing innovative designs for its world market.

The Semmco Oxygen Therapy Charging Rig is designed to charge portable Oxygen therapeutic cylinders in a line station or hanger while being easy to manoeuvre and operate by one person.

Qantas has been using the rig for the past 5 years and has been able to make significant cost and efficiency savings in order to charge portable therapeutic Oxygen cylinders used in the aircraft for passenger assistance during flights.

Used as the gas source, the Semmco Oxygen Trolley is attached to the Oxygen Therapy Charging Rig. The rig's containment cabinet is

designed to prevent sudden release of gas from the therapy cylinder burst disc or over charge pressure relief valve. Further safety precautions include finger tight connections to reduce any chance of grease contamination with an optional excess flow valve. The equipment is designed to charge portable therapeutic Oxygen cylinders to a maximum working pressure of 1,800psi.

James Wordham, Manager Line Maintenance at Qantas has seen considerable advantages of using the Semmco Oxygen Charging Rig. "Owing to our A380s Minimum Equipment List being quite restrictive where portable oxygen is concerned, only 2 out of the 20 onboard cylinders are allowed to be considered unserviceable for each flight. The Semmco rig has made a valuable addition to our London station.

Prior to its acquisition we had a very limited ability locally to recharge the bottles on a same day service basis, meaning we had to hold more serviceable bottles in stock, which in turn led to more bottles being shipped backwards and forwards to and from Australia, resulting in a higher rate of deferrals.

Following a local area procedure being approved by our quality department and the staff being trained in its operation we have been using the rig for the last 5 years, almost on a daily basis. Each bottle takes around 30 minutes to charge and over the course of owning the rig we have charged hundreds of bottles, reduced our deferral rate, which in turn has allowed us to reduce our stock holding, meaning fewer bottles required to support the network, fewer bottles in transit, and significantly reduced dangerous goods shipping costs."

-ENDS-

Notes to editors

Photo Caption:

About Semmco:

Semmco, established in 1993, is a design, engineering and manufacturing company offering a range of specialist services to the rail, aviation, industrial and military markets for service and maintenance of rolling stock, planes and specialist equipment and plant. The company is known as a UK leader for quality in its field.

Within the Rail market Semmco designs and manufactures a comprehensive range of access solutions - Rail Roof Access, Rail Access Steps, Rail Front Access Steps, Rail Modular Access Steps and Rail Fixed Gantry.

Within the Aviation market, Semmco designs and manufactures a comprehensive range of access solutions - Aircraft Engine Access, Engineer Maintenance steps, Cargo Bay Access and among other access platforms.

Providing engineering design and consultancy for special projects and bespoke customer requirements, the company is committed to quality, safety and reliability through innovative designs, while manufacturing cost effective engineered solutions.

Based in Woking, Surrey, the company supplies equipment across the UK and around the world.

For Additional Information

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