PCO2 Maxi

20.7 bar g (300 psi g) / 24.1 bar g (350 psi g)

User Guide
1 Safety Information

Do not operate this equipment until the safety information and instructions in this user guide have been read and understood by all personnel concerned.

USER RESPONSIBILITY

FAILURE OR IMPROPER SELECTION OR IMPROPER USE OF THE PRODUCTS DESCRIBED HEREIN OR RELATED ITEMS CAN CAUSE DEATH, PERSONAL INJURY AND PROPERTY DAMAGE.

This document and other information from Parker Hannifin Corporation, its subsidiaries and authorised distributors provide product or system options for further investigation by users having technical expertise.

The user, through its own analysis and testing, is solely responsible for making the final selection of the system and components and assuring that all performance, endurance, maintenance, safety and warning requirements of the application are met. The user must analyse all aspects of the application, follow applicable industry standards, and follow the information concerning the product in the current product catalogue and in any other materials provided from Parker or its subsidiaries or authorised distributors.

To the extent that Parker or its subsidiaries or authorised distributors provide component or system options based upon data or specifications provided by the user, the user is responsible for determining that such data and specifications are suitable and sufficient for all applications and reasonably foreseeable uses of the components or systems.

Only competent personnel trained, qualified, and approved by Parker Hannifin should perform installation, commissioning, service and repair procedures.

This equipment is for indoor use only. Do not operate outdoors.

With the exception of oxygen, any gas can cause asphyxiation in high enough concentrations. Always ensure that the unit is operated in a well ventilated area and all of the vent ports on the rear of the unit are kept clear and free from blockages.

Use of the equipment in a manner not specified within this user guide may result in an unplanned release of pressure, which may cause serious personal injury or damage.

When handling, installing or operating this equipment, personnel must employ safe engineering practices and observe all related regulations, health & safety procedures, and legal requirements for safety.

Ensure that the equipment is depressurised and electrically isolated, prior to carrying out any of the scheduled maintenance instructions specified within this user guide.

Parker Hannifin can not anticipate every possible circumstance which may represent a potential hazard. The warnings in this manual cover the most known potential hazards, but by definition can not be all-inclusive. If the user employs an operating procedure, item of equipment or a method of working which is not specifically recommended by Parker Hannifin the user must ensure that the equipment will not be damaged or become hazardous to persons or property.

Most accidents that occur during the operation and maintenance of machinery are the result of failure to observe basic safety rules and procedures. Accidents can be avoided by recognising that any machinery is potentially hazardous.

Should you require an extended warranty, tailored service contracts or training on this equipment, or any other equipment within the Parker Hannifin range, please contact your local Parker Hannifin office.

Details of your nearest Parker Hannifin sales office can be found at www.domnickhunter.com

Retain this user guide for future reference.

Related Documents:

• Preventative Maintenance Guide 176034370
• Parts Manual 176034380
• Service Guide 176034390
(Only available on completion of the relevant Pdh level 2 training course. Please email training.support@parker.com for details on all Pdh Industrial training courses).
# 1.1 Markings and Symbols

The following markings and international symbols are used on the equipment or within this manual:

<table>
<thead>
<tr>
<th>Icon</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>!</td>
<td>Caution, Read the User manual.</td>
</tr>
<tr>
<td>⚠️</td>
<td>Highlights actions or procedures which, if not performed correctly, could lead to electric shock.</td>
</tr>
<tr>
<td>⚠️</td>
<td>Highlights actions or procedures which, if not performed correctly, may lead to personal injury or death.</td>
</tr>
<tr>
<td>🔴</td>
<td>Highlights actions or procedures which, if not performed correctly, may lead to damage to this product.</td>
</tr>
<tr>
<td>🔄</td>
<td>Conformité Européenne</td>
</tr>
</tbody>
</table>

When disposing of old parts always follow local waste disposal regulations.
2 Description

The Parker domnick hunter PCO2 carbon dioxide polishing systems offer a comprehensive solution to preserve and guarantee the quality of gaseous carbon dioxide used in sparkling beverage bottling.

Using multi-layer gas polishing technology, the PCO2 range includes Maxi PCO2 and Mplus PCO2 for plant scale protection in addition to smaller systems designed for fountain / post mix and beer dispense applications respectively.

Operating as a vapour ‘polisher’ to remove a wide range of potential carbon dioxide impurities, the system guarantees the gas quality so it remains within industry and company guidelines, preventing detrimental consequences to the finished end beverage, producers reputation and their bottom-line.

PCO2 is the beverage industry preferred choice and is installed in over 150 countries worldwide.

2.1 Technical Specification

This specification is valid when the equipment is located, installed, operated, and maintained as specified within this user guide.

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Units</th>
<th>Maxi PCO2 - 0</th>
<th>Maxi PCO2 - 1</th>
<th>Maxi PCO2 - 2</th>
<th>Maxi PCO2 - 3</th>
<th>MPlus PCO2 4000</th>
<th>MPlus PCO2 6000</th>
<th>MPlus PCO2 8000</th>
<th>MPlus PCO2 10000</th>
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</thead>
<tbody>
<tr>
<td>Maximum Operating Pressure</td>
<td>bar g (psi g)</td>
<td>20.7 (24.1 optional)</td>
<td>300 (350 optional)</td>
<td>20.7 (24.1 optional)</td>
<td>300 (350 optional)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Minimum Operating Temperature</td>
<td>ºC (ºF)</td>
<td>-20 (-4)</td>
<td>-20 (-4)</td>
<td>-20 (-4)</td>
<td>-20 (-4)</td>
<td>-20 (-4)</td>
<td>-20 (-4)</td>
<td>-20 (-4)</td>
<td></td>
</tr>
<tr>
<td>Maximum Operating Temperature</td>
<td>ºC (ºF)</td>
<td>40 (104)</td>
<td>40 (104)</td>
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<td>40 (104)</td>
<td>40 (104)</td>
<td></td>
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<tr>
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<td>ISBT beverage grade CO2</td>
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</tr>
<tr>
<td>Flowrate</td>
<td>Kg / hr</td>
<td>150</td>
<td>300</td>
<td>600</td>
<td>900</td>
<td>1814</td>
<td>2722</td>
<td>3629</td>
<td>4537</td>
</tr>
<tr>
<td></td>
<td>Lb / hr</td>
<td>330</td>
<td>661</td>
<td>1322</td>
<td>1980</td>
<td>4000</td>
<td>6000</td>
<td>8000</td>
<td>10000</td>
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<td>Port Connections</td>
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<td></td>
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<td>Air Inlet</td>
<td>Air Outlet</td>
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</tr>
<tr>
<td></td>
<td></td>
<td>in G1</td>
<td>in G1</td>
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<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td></td>
<td></td>
<td>G2**</td>
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<td>G2 1/2**</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>G3**</td>
<td>G3**</td>
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<td></td>
</tr>
</tbody>
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* PCO2 CO2 Polishers are for gaseous CO2 only

** 24.1 bar g (350 psi g) versions are all 2” connections
### 2.2 Weights and Dimensions

<table>
<thead>
<tr>
<th>Model</th>
<th>Height (H)</th>
<th>Width (W)</th>
<th>Depth (D)</th>
<th>(a)</th>
<th>(b)</th>
<th>(c)</th>
<th>(d)</th>
<th>(e)</th>
<th>Clearance*</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>mm</td>
<td>mm</td>
<td>mm</td>
<td>mm</td>
<td>mm</td>
<td>mm</td>
<td>mm</td>
<td>mm</td>
<td>mm</td>
<td>kg</td>
</tr>
<tr>
<td>MPlus 4000</td>
<td>1390</td>
<td>54.7</td>
<td>450</td>
<td>17.7</td>
<td>741</td>
<td>29.2</td>
<td>257.5</td>
<td>10.1</td>
<td>1212.5</td>
<td>47.7</td>
</tr>
<tr>
<td>MPlus 6000</td>
<td>1390</td>
<td>54.7</td>
<td>450</td>
<td>17.7</td>
<td>910</td>
<td>35.8</td>
<td>257.5</td>
<td>10.1</td>
<td>1212.5</td>
<td>47.7</td>
</tr>
<tr>
<td>MPlus 8000</td>
<td>1390</td>
<td>54.7</td>
<td>450</td>
<td>17.7</td>
<td>1079</td>
<td>42.5</td>
<td>257.5</td>
<td>10.1</td>
<td>1212.5</td>
<td>47.7</td>
</tr>
<tr>
<td>MPlus 10000</td>
<td>1390</td>
<td>54.7</td>
<td>450</td>
<td>17.7</td>
<td>1270</td>
<td>50.0</td>
<td>257.5</td>
<td>10.1</td>
<td>1212.5</td>
<td>47.7</td>
</tr>
</tbody>
</table>

*Clearance required for the removal and servicing of the cartridges.
2.3 Receiving and Inspecting the Equipment

On receipt of the equipment carefully inspect the packaging for damage. If the packaging is damaged inform the delivery company immediately and contact your local Parker Hannifin office.

2.3.1 Storage

If the equipment is to be stored prior to installation, do not remove it from the packaging. Ensure that it is stored in an upright position as indicated by the arrows on the packaging.

**Warning.** Do not attempt to lift the equipment by yourself. It is recommended that the equipment be carried by a minimum of two persons or transported on a pallet truck.

*Note.* The storage area should be secure and the environmental conditions should fall within those specified in the technical specification. If the equipment is stored in an area where the environmental conditions fall outside of those specified, it is essential that it be moved to its final location (installation site) and left to stabilise prior to unpacking. Failure to do this could cause condensing humidity and potential failure of the equipment.

2.3.2 Unpacking

Remove the lid and all four sides of the packing crate (A). Lift the PCO2 Polisher on to its feet using suitable slings and an overhead crane (B, C and D).

Carefully move the PCO2 Polisher to its final location, using a forklift truck or pallet truck.
2.3.3 Overview of the Equipment

<table>
<thead>
<tr>
<th>Key</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Ball Valve</td>
</tr>
<tr>
<td>2</td>
<td>40 Bar Pressure Gauge</td>
</tr>
<tr>
<td>3</td>
<td>Inlet Port</td>
</tr>
<tr>
<td>4</td>
<td>Outlet Port</td>
</tr>
<tr>
<td>5</td>
<td>Lifting Eye Bolt</td>
</tr>
<tr>
<td>6</td>
<td>Pressure Relief Valve</td>
</tr>
</tbody>
</table>
3 Installation & Commissioning

3.1 Recommended system layout

<table>
<thead>
<tr>
<th></th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>PCO2 Polisher</td>
</tr>
<tr>
<td>2</td>
<td>Pre filtration - Stage One</td>
</tr>
<tr>
<td>3</td>
<td>Vaporiser</td>
</tr>
<tr>
<td>4</td>
<td>Liquid CO2 storage tank</td>
</tr>
<tr>
<td>5</td>
<td>Post filtration - Stage five</td>
</tr>
<tr>
<td>6</td>
<td>Isolation valves</td>
</tr>
<tr>
<td>7</td>
<td>Stainless steel piping</td>
</tr>
<tr>
<td>8</td>
<td>Pressure relief valve</td>
</tr>
</tbody>
</table>
Once the equipment has been moved to its final location remove the blanking plugs from both the inlet and outlet ports.

Ensure that all piping materials are suitably rated for the application, clean and debris free. The diameter of the pipes must be sufficient to allow unrestricted inlet air supply to the equipment.

Apply approximately 8 - 12 turns of P.T.F.E tape to the high quality stainless steel piping.

Fit the piping along with the relevant pre and post filtration onto the inlet and outlet. Isolation valves must be installed after both the inlet and outlet filtration.

When routing pipes ensure that they are adequately supported to prevent damage or leaks in the system.

All components used within the system must be rated to at least the maximum operating pressure of the equipment. It is recommended that the system is protected with suitably rated pressure relief valves.
4 Operating the Equipment

4.1 Starting the Equipment

**Note:** On start-Up it is normal for the outlet temperature to increase for a limited period of time.

1. Open the inlet valve slowly to gradually pressurise the PCO2 Polisher.
2. Open the outlet valve slowly to re-pressurise the downstream piping.

---

**Caution:** Do not open the inlet or outlet valves rapidly or subject the PCO2 Polisher to excessive pressure differential as damage may occur.
5 Servicing

5.1 Cleaning

Clean the equipment with a damp cloth only. If required you may use a mild detergent, however do not use abrasives or solvents as they may damage the warning labels on the equipment.

5.2 Service Intervals

<table>
<thead>
<tr>
<th>Component</th>
<th>Operation</th>
<th>Weekly</th>
<th>6 Months (4000 Hrs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>System</td>
<td>Check for leaks.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Polisher</td>
<td>Check the pressure gauge.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Polisher</td>
<td>Check the pressure relief valve.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Filters</td>
<td>Drain filter bowl</td>
<td></td>
<td></td>
</tr>
<tr>
<td>System</td>
<td><strong>Recommended Service A</strong>&lt;br&gt;Replace the filter elements and the mixed bed adsorption cartridges</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Polisher</td>
<td>Inspect the columns and manifolds (internal and external)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Filters</td>
<td>Inspect the filter housings (internal and external).</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Service

<table>
<thead>
<tr>
<th>Service</th>
<th>6 Months (4000 Hrs.)</th>
<th>12 Months (8000 Hrs.)</th>
<th>18 Months (12000 Hrs.)</th>
<th>24 Months (16000 Hrs.)</th>
<th>30 Months (20000 Hrs.)</th>
<th>36 Months (24000 Hrs.)</th>
<th>42 Months (28000 Hrs.)</th>
<th>48 Months (32000 Hrs.)</th>
<th>54 Months (36000 Hrs.)</th>
<th>60 Months (40000 Hrs.)</th>
<th>66 Months (44000 Hrs.)</th>
<th>72 Months (48000 Hrs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td></td>
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</tbody>
</table>

### Key:

- ![Check](image)
- ![Preventative Maintenance](image)
### 5.3 Preventative Maintenance Kits - Maxi & Maxiplus

#### 20 Bar (300psi) - Required every 4000Hrs (6 months)

With Oil-X Plus filter elements

<table>
<thead>
<tr>
<th>Model</th>
<th>Catalogue Number</th>
<th>Technical Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCO2-1-20 (300)</td>
<td>MAKPCO2-1-20</td>
<td>606071110</td>
</tr>
<tr>
<td>PCO2-2-20 (300)</td>
<td>MAKPCO2-2-20</td>
<td>606071120</td>
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<tr>
<td>PCO2-3-20 (300)</td>
<td>MAKPCO2-3-20</td>
<td>606071130</td>
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<tr>
<td>MPplus 4000 20 (300)</td>
<td>MAK-MPLUS4000-20</td>
<td>606071380</td>
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<tr>
<td>MPplus 6000 20 (300)</td>
<td>MAK-MPLUS6000-20</td>
<td>606071390</td>
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<td>MPplus 8000 20 (300)</td>
<td>MAK-MPLUS8000-20</td>
<td>606071400</td>
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<tr>
<td>MPplus 10000 20 (300)</td>
<td>MAK-MPLUS10000-20</td>
<td>606071410</td>
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</tbody>
</table>

With Oil-X Evolution filter elements

<table>
<thead>
<tr>
<th>Model</th>
<th>Catalogue Number</th>
<th>Technical Reference</th>
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</thead>
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<tr>
<td>PCO2-0-20 (300)</td>
<td>MAKEPC02-0-20</td>
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<tr>
<td>PCO2-1-20 (300)</td>
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#### 24 Bar (350psi) - Required every 4000Hrs (6 months)

With Oil-X Plus filter elements

<table>
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<th>Catalogue Number</th>
<th>Technical Reference</th>
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<td>PCO2-0-24 (350)</td>
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<tr>
<td>PCO2-3-24 (350)</td>
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<tr>
<td>MPplus 4000 24 (350)</td>
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<td>606071300</td>
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<td>MAK-MPLUS6000-24</td>
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<td>MPplus 8000 24 (350)</td>
<td>MAK-MPLUS8000-24</td>
<td>606071320</td>
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<td>MPplus 10000 24 (350)</td>
<td>MAK-MPLUS10000-20</td>
<td>606071330</td>
</tr>
</tbody>
</table>

- All kits include CO2 Polisher elements, AA and AAR filter elements, manifold flange o-rings and sealant.
- 24 bar (350 psi) Polishers are available with Oil-X Plus filter elements only.
Declaration of Conformity

Parker Hannifin Ltd, Industrial division
Dukesway, TVTE, Gateshead, Tyne & Wear, NE11 0PZ, UK

CO2 Polisher
PC02/1, PC02/2, PC02/3, MPLUS 4000, MPLUS 6000, MPLUS 8000, MPLUS 10000

Directives
97/23/EC

Standards used
Generally in accordance with ASME VIII Div 1 : 1998.

PED Assessment Route :
B & D

EC Type-examination Certificate:
PC02/1, PC02/2, PC02/3 - COV0213422/2/TEC
MPLUS 4000, MPLUS 6000, MPLUS 8000, MPLUS 10000 - COV0212403/1/TEC

Notified body for PED:
Lloyds Register Verification
71 Fenchurch St. London
EC3M 4BS

Authorised Representative
Derek Bankier
Divisional Quality Manager
Parker Hannifin Ltd, Industrial division

Declaration

I declare that as the authorised representative, the above information in relation to the supply / manufacture of this product, is in conformity with the standards and other related documents following the provisions of the above Directives.

Signature: [Signature]
Date: 11/01/2010

Declaration Number: 00206/110110
<table>
<thead>
<tr>
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<th>Konformitätserklärung DE</th>
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<td><strong>PC02/1, PC02/2, PC02/3, MPLUS 4000, MPLUS 6000, MPLUS 8000, MPLUS 10000</strong></td>
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<td>97/23/EC</td>
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<td>PC02/1, PC02/2, PC02/3, MPLUS 4000, MPLUS 6000, MPLUS 8000, MPLUS 10000, CO2/1403/1/TEC</td>
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<td>Aangemelde instantie voor PED:</td>
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<td>Lloyd Register Verification 71 Fenchurch St. London EC3M 4BS</td>
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<tr>
<td>Bevoegde vertegenwoordiger</td>
<td>Derek Bankier Divisional Quality Manager Parker Hannifin ltd, Industrial division</td>
<td>Derek Bankier Divisional Quality Manager Parker Hannifin ltd, Industrial division</td>
</tr>
<tr>
<td>Verklaring</td>
<td>Als bevoegde vertegenwoordiger verklaar ik dat bovengenoemde informatie met betrekking tot de levering / verkoop van dit product overeenstemt met de normen en andere bijbehorende documentatie volgens de bepalingen van bovengenoemde richtlijnen.</td>
<td>Hiermit erkläre ich als bevollmächtigter Vertreter die Konformität der oben aufgelisteten Informationen in Bezug auf die Lieferung/Herstellung des Produkts mit den Normen und anderen zugehörigen Dokumenten gemäß den Bestimmungen der oben genannten Richtlinien.</td>
</tr>
<tr>
<td>Handtekening</td>
<td>Datum: 11/01/2010</td>
<td>Unterschrift: Datum: 11/01/2010</td>
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<td>Verklaringnummer</td>
<td>00206/110110</td>
<td>Nummer der Erklärung: 00206/110110</td>
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<th>Language</th>
<th>Déclaration de conformité FR</th>
<th>Vaatimustenmukaisuusvakuutus FI</th>
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<tr>
<td><strong>CO2 Purifier</strong></td>
<td><strong>PC02/1, PC02/2, PC02/3, MPLUS 4000, MPLUS 6000, MPLUS 8000, MPLUS 10000</strong></td>
<td><strong>PC02/1, PC02/2, PC02/3, MPLUS 4000, MPLUS 6000, MPLUS 8000, MPLUS 10000</strong></td>
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<td>Directives</td>
<td>97/23/EC</td>
<td>97/23/EC</td>
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<tr>
<td>Méthode d'évaluation de la directive d'équipements de pression :</td>
<td>B &amp; O</td>
<td>B &amp; O</td>
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<tr>
<td>Certificat d'examen de type CE :</td>
<td>PC02/1, PC02/2, PC02/3, CO2/1403/1/TEC</td>
<td>PC02/1, PC02/2, PC02/3, CO2/1403/1/TEC</td>
</tr>
<tr>
<td>Organisme de notification pour la directive d'équipement sous pression :</td>
<td>Lloyd Register Verification 71 Fenchurch St. London EC3M 4BS</td>
<td>Lloyd Register Verification 71 Fenchurch St. London EC3M 4BS</td>
</tr>
<tr>
<td>Représentant agréé</td>
<td>Derek Bankier Divisional Quality Manager Parker Hannifin ltd, Industrial division</td>
<td>Derek Bankier Divisional Quality Manager Parker Hannifin ltd, Industrial division</td>
</tr>
<tr>
<td>Déclaration</td>
<td>Je déclare à titre de représentant agréé que les informations ci-dessus liées à la fourniture/fabrication de ce produit sont en conformité avec les normes et autres documents liés décrits selon les dispositions des directives susmentionnées.</td>
<td>Vakuutettu edustajana vakuutan, että jätte jolla olevat tiedot, jotka liittyvät tämän tuotteen valmistamiseen, ovat standardien ja muiden asialli käsittävien asiakirjojen mukaisia ja noudattavat jätte pitää direktiivejä.</td>
</tr>
<tr>
<td>Signature</td>
<td>Date: 11/01/2010</td>
<td>Allekirjoitus: Päiväys: 11/01/2010</td>
</tr>
<tr>
<td>N° de déclaration : 00206/110110</td>
<td>Vakuutuksen numero: 00206/110110</td>
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</tbody>
</table>
Försäkran om överensstämmelse SV

Parker Hannifin ltd, Industrial division
Dukesway, TVTE, Gateshead, Tyne & Wear, NE11 0PZ, UK

CO2 Polisher
PCO2/1, PCO2/2, PCO2/3, MPLUS 4000, MPLUS 6000, MPLUS 8000, MPLUS 10000

Direktiv
97/23/EC

Använda standarder

Fastställningsväg för PED:
B & D

EG-intyg om typprovning:
PCO2/1, PCO2/2, PCO2/3 - COV0213422/2/TEC
MPLUS 4000, MPLUS 6000, MPLUS 8000, MPLUS 10000 -

Autoriserad representant
Derek Bankier
Divisional Quality Manager
Parker Hannifin ltd, Industrial division

Försäkran
Jag försäkrar, i egenskap av auktoriserad representant, att ovannämnda information avseende leverans/tillverkning av denna produkt överensstämmer med standarder och övriga relaterade dokument enligt villkoren i ovanstående direktiv.

Underskrift:
Datum: 11/01/2010

Försäkran nummer
00206/110110

Δήλωση συμμόρφωσης EL

Parker Hannifin ltd, Industrial division
Dukesway, TVTE, Gateshead, Tyne & Wear, NE11 0PZ, UK

CO2 Polisher
PCO2/1, PCO2/2, PCO2/3, MPLUS 4000, MPLUS 6000, MPLUS 8000, MPLUS 10000

Direktiv
97/23/EC

Användte standarder

Rute för värdering av PED
B & D

EC-typeafprøvningsattest:
PCO2/1, PCO2/2, PCO2/3 - COV0213422/2/TEC
MPLUS 4000, MPLUS 6000, MPLUS 8000, MPLUS 10000 -

Underrettet organ för PED:
Lloyds Register Verification
71 Fenchurch St. London
EC3M 4BS

Autorisert representant
Derek Bankier
Divisional Quality Manager
Parker Hannifin ltd, Industrial division

Δήλωση συμμόρφωσης
Jag erklærer som autorisert representant, at informasjonen overfor er i overensstemmelse med de anførte standarder og øvrige relaterede dokumenter ifølge bestemmelsene i ovanstående direktiv.

Underskrift:
Dato: 11/01/2010

Erklæringsnummer
00206/110110
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<td>PC02/1, PC02/2, PC02/3, MPLUS 4000, MPLUS 6000, MPLUS 8000, MPLUS 10000</td>
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**Directivas**

97/23/EC

**Normas utilizadas**


**Ruta de evaluación de la normativa PED:**

B & D

**Certificado de examen CE de tipo:**

PC02/1, PC02/2, PC02/3 - COV0213422/2/TEC

MPLUS 4000, MPLUS 6000, MPLUS 8000, MPLUS 10000 -

Lloyds Register Verification

71 Fenchurch St. London

EC3M 4BS

**Representante autorizado:**

Derek Bankier

Divisional Quality Manager

Parker Hannifin ltd, Industrial division

**Declaración**

Como representante autorizado, declaro que la información anteriormente expuesta en relación con el suministro y/o fabricación de este producto cumple las normativas indicadas y otros documentos a fin de cumplir con las disposiciones de las Directivas citadas anteriormente.

**Firma:**

**Fecha:** 11/01/2010

**Número de declaración:** 00206/110110

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<table>
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<th><strong>Dichiarazione di conformità</strong></th>
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<td>PC02/1, PC02/2, PC02/3, MPLUS 4000, MPLUS 6000, MPLUS 8000, MPLUS 10000</td>
<td>PC02/1, PC02/2, PC02/3, MPLUS 4000, MPLUS 6000, MPLUS 8000, MPLUS 10000</td>
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**Direttive**

97/23/EC

**Norme utilizzate**

Ogólnie zgodny z ASMEVIII dzia 1: 2004.

**Procedura di valutazione PED:**

B & D

**Attestato di certificazione tipo CE:**

PC02/1, PC02/2, PC02/3 - COV0213422/2/TEC

MPLUS 4000, MPLUS 6000, MPLUS 8000, MPLUS 10000 -

Lloyds Register Verification

71 Fenchurch St. London

EC3M 4BS

**Rappresentante autorizzato:**

Derek Bankier

Divisional Quality Manager

Parker Hannifin ltd, Industrial division

**Dichiarazione**

In qualità di rappresentante autorizzato dichiaro che le informazioni di cui sopra, in merito alla fornitura/fabbricazione del prodotto in oggetto, sono conformi alle norme indicate e a qualsiasi altro documento correlato alla fornitura basato su quanto prescritto dalle direttive menzionate.

**Firma:**

**Data:** 11/01/2010

**Dichiarazione numero:** 00206/110110

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<table>
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<th><strong>Deklaracja zgodności</strong></th>
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**Dyrektwy**

97/23/EC

**Stosowane standardy**


**Ścieżka potwierdzania zgodności z PED:**

B & D

**Certyfikat badania typu WE:**

PC02/1, PC02/2, PC02/3 - COV0213422/2/TEC

MPLUS 4000, MPLUS 6000, MPLUS 8000, MPLUS 10000 -

Lloyds Register Verification

71 Fenchurch St. London

EC3M 4BS

**Organ/instytucja powiadamiana na mocy PED:**

Derek Bankier

Divisional Quality Manager

Parker Hannifin ltd, Industrial division

**Deklaracja**

Oświadczam, jako autoryzowany przedstawiciel, że powyższe informacje dotyczącą dostawy / wytwarzania niniejszego produktu są zgodne ze standardami i innymi dokumentami powiązany zgodnie z postanowieniami powyższych dyrektyw.

**Podpis:**

**Data:** 11/01/2010

**Numer deklaracji:** 00206/110110
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<th>Prohlášení o zhodě CS</th>
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</tr>
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<td>PC02/1, PC02/2, PC02/3, MPLUS 4000, MPLUS 6000, MPLUS 8000, MPLUS 10000</td>
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<td>Směrnice</td>
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<td>97/23/EC</td>
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<td>Použité normy</td>
<td>Použité normy</td>
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<tr>
<td>Vo všeobecnosti v zhode s ASMEVIII oddiel 1 : 2004</td>
<td>Obecně v souladu s ASMEVIII Div 1 : 2004</td>
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<tr>
<td>Spôsob posudzovania podľa smernice PED</td>
<td>Metoda stanovení shody pro tlaková zařízení (PED):</td>
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<td>Osvedčení typovej skúšky ES</td>
<td>Osvědčení o zkouške typu ES:</td>
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<td>Oboznámený orgán podľa smernice PED:</td>
<td>Notifikovaný orgán pro PED:</td>
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<td>Splnomocnený zástupca</td>
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<tr>
<td>Derek Bankier</td>
<td>Derek Bankier</td>
</tr>
<tr>
<td>Divisional Quality Manager</td>
<td>Divisional Quality Manager</td>
</tr>
<tr>
<td>Parker Hannifin ltd, Industrial division</td>
<td>Parker Hannifin ltd, Industrial division</td>
</tr>
<tr>
<td>Vyhlásenie</td>
<td>Prohlášení</td>
</tr>
<tr>
<td>Ako splnomocnený zástupca vyhlasujem, že informácie uvedené vyššie, sú v súvislosti s dodávkou / výrobou tohto výrobku v zhode s normami a inými súvisiacimi dokumentmi podľa ustanovení uvedených smernic.</td>
<td>Jako oprávněný zástupce prohlašuji, že výše uvedené informace týkající se dodávky /výroby tohoto produktu jsou v souladu s normami a jinými súvisiacimi dokumenty vyplývajícími z ustanovení výše uvedených smerníc.</td>
</tr>
<tr>
<td>Podpis:</td>
<td>Podpis:</td>
</tr>
<tr>
<td>Dátum: 11/01/2010</td>
<td>Dátum: 11/01/2010</td>
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<tr>
<td>Číslo vyhlásenia: 00206/110110</td>
<td>Číslo prohlášení: 00206/110110</td>
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</tbody>
</table>

**Vlastavusdeklaratsioon ET**

<p>| Parker Hannifin ltd, Industrial division | Parker Hannifin ltd, Industrial division |
| Dukesway, TVTE, Gateshead, Tyne &amp; Wear, NE11 0PZ, UK | Dukesway, TVTE, Gateshead, Tyne &amp; Wear, NE11 0PZ, UK |
| CO2 Polisher | CO2 Polisher |
| PC02/1, PC02/2, PC02/3, MPLUS 4000, MPLUS 6000, MPLUS 8000, MPLUS 10000 | PC02/1, PC02/2, PC02/3, MPLUS 4000, MPLUS 6000, MPLUS 8000, MPLUS 10000 |
| Direktívaid | Direktívák |
| 97/23/EC | 97/23/EC |
| Kasutatud standardid | Alkalmazott szabványok: |
| Üldiselt vastavuses standardiga ASMEVIII Div 1: 2004. | Alkalmazott szabványok: |
| PED-vastavusvaimingu jaotus: | Alkalmazott szabványok: |
| B &amp; D | Alkalmazott szabványok: |
| EÜ tõlulühendamisid: | Alkalmazott szabványok: |
| PED (surveaseadmete direktiivist) | Alkalmazott szabványok: |
| leiendatud asusid: | Alkalmazott szabványok: |
| Volitatud esindaja | Hivatalos képviselő |
| Derek Bankier | Derek Bankier |
| Divisional Quality Manager | Divisional Quality Manager |
| Parker Hannifin Ltd, Industrial division | Parker Hannifin Ltd, Industrial division |
| Deklaratsioon | Nyilatkozat |
| Valitutud esindajana kinnitan, et üldistatud teave on aktuaalne, asemeline ja see on vastavuses standardiga ASMEVIII Div 1: 2004. | Hivatalos képviselő kijelentem, hogy a termék megfelel az alábbiaknak: |
| Alikn: | Megfelelési nyilatkozat |
| Koupiav: 11/01/2010 | Datum: 11/01/2010 |
| Nyilatkozat száma: 00206/110110 |</p>
<table>
<thead>
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<tr>
<td><strong>Dukesway, TVTE, Gateshead, Tyne &amp; Wear, NE11 0PZ, UK</strong></td>
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<td>B &amp; D</td>
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<td><strong>EB tipa testavimo sertifikāta:</strong></td>
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<td>PCO2/1, PCO2/3, COV0213422/2/TEC</td>
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<tr>
<td>MPLUS 4000, MPLUS 6000, MPLUS 8000, MPLUS 10000 - Lloyd Register Verification 71 Fenchurch St. London EC3 4BS</td>
<td>MPLUS 4000, MPLUS 6000, MPLUS 8000, MPLUS 10000 - Lloyd Register Verification 71 Fenchurch St. London EC3 4BS</td>
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<tr>
<td><strong>Pilna iespēja pārstrādāt</strong></td>
<td><strong>Eksaminācijas atstātās:</strong></td>
</tr>
<tr>
<td>Derek Bankier</td>
<td>Derek Bankier</td>
</tr>
<tr>
<td>Divisional Quality Manager</td>
<td>Divisional Quality Manager</td>
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<td>Parker Hannifin ltd, Industrial division</td>
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<td><strong>Deklarācija</strong></td>
<td><strong>Deklarācija</strong></td>
</tr>
<tr>
<td>Es kā pilnvarota pārstrādāt ar šo pazinoju, ka iepriekšminētā informācija, kas atbilst uz šī produkta piegādes / sadarbību, atbilst standartiem un citiem atbilstošiem dokumentām, atbilst ar iepriekšminētajām Direktīvām.</td>
<td>Až, galotasis atstātās, patstāvību, kad atbilstošā telpene gamino tiekmo/gamino informāciju atbilstošos atbilstības standartus un tās atbilstības direktīvas, rekomendācijas un dokumentācijā.</td>
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<tr>
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<td><strong>Paraksts:</strong></td>
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<tr>
<td><strong>Datums:</strong> 11/01/2010</td>
<td><strong>Datums:</strong> 11/01/2010</td>
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<td><strong>Izmaiņotie standarti</strong></td>
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<td>Atbilst standartiem un citiem atbilstošiem dokumentiem, kas atbilst uz šī produkta piegādes / sadarbību, atbilst standartiem un citiem atbilstošiem dokumentām, atbilst ar iepriekšminētajām Direktīvām.</td>
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Standartlar: Genelde ASMEVIII Div 1 : 2004'te uygun.

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ФЕДЕРАЛЬНАЯ СЛУЖБА
ПО ЭКОЛОГИЧЕСКОМУ, ТЕХНОЛОГИЧЕСКОМУ И АТОМНОМУ НАДЗОРУ

РАЗРЕШЕНИЕ № РПС 00-32481

На применение

Оборудование (техническое устройство, материал):
Оборудование, работающее под давлением, в соответствии с перечнем в приложении к настоящему разрешению.

Код ОКП (ТН ВЭД): Оборудование комплектное, коды ОКП (ТН ВЭД) в соответствии с технической документацией.

Изготовитель (поставщик): Фирма "Parker Hannifin Ltd. domnick hunter division" (Великобритания).


Условия применения:
1. Оформление технической документации на оборудование (паспортов, чертежей, инструкций по монтажу и эксплуатации) в соответствии с требованиями действующих в России правил промышленной безопасности на русском языке.
2. Осуществление монтажа, ввода в работу и эксплуатации оборудования в соответствии с требованиями "Правил устройства и безопасной эксплуатации сосудов, работающих под давлением".

Срок действия разрешения до 17.12.2013

Дата выдачи 17.12.2008 г.

Заместитель руководителя
Б.А. Красных
ПРИЛОЖЕНИЕ
к разрешению № РРС 00-32481 от 17.12.2008
(без разрешения недействительно)

ПЕРЕЧЕНЬ
оборудования фирмы "Parker Hannifin Ltd. domnick hunter division", разрешенного к применению на территории Российской Федерации:

1. Фильтры для взрывобезопасных газов типов:
   - OIL-X-EVOLUTION (модели от 010 до 055);
   - OIL-X-EVOLUTION 4" (модели 060);
   - OIL-X-EVOLUTION Fabricated (модели от 100 до 500);
   - OIL-X-EVOLUTION OVR (модели от OVR 100 до OVR 250);
   - OIL-X-EVOLUTION AC (модели от AC 010 до AC 030);
   - OIL-X-EVOLUTION WS (модели от WS 010 до WS 055);
   - OIL-X Plus TF-G/H (модели от TF 55 до TF 870);
   - OIL-X-EVOLUTION (модели от TFE 060 до TFE 660).

2. Осушители и аппараты для взрывобезопасных газов типов:
   - MINI (модели от DM 002 до DM 006);
   - Midas (модели от Das 1 до Das 7);
   - MIDI DME / DM (модели от DME 012 до DME 080; от DM 012 до DM 080);
   - MIDI Transportation (модели TDV – TDH – TDS – TDVC);
   - MX/MPX (модели от MX 102 до MX 110; от MPX 110 до MPX 112);
   - DH (модели от DH 102 до DH 110);
   - PCO2 Maxi (модели от PCO2/0 до PCO2/3);
   - PCO2 Maxi Plus (модели от MP1000 до MP10000);
   - CDP (модели от CDP 1 до CDP 6);
   - CDP (модели от CDP 8 до CDP 12);
   - G (модели от G1 до G9);
   - LC/MS (LCMS) (модели LCMS 12/2; 20 – 30 – 40);
   - Zero Air (модели от UHP-10ZA до UHP-200 ZA);
   - CO2RF (модели от CO2R015 до CO2R080);
   - N2Mid (модели от N2Mid350 до N2Mid601);
   - Maxigas (модели от 104 до 120).

Заместитель руководителя
Г.А. Красных

АВ 007863