

| 1                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 2                     |                   | 3        |               | 4                  |           |                 |                    |                |    |                       |                   |    |                       |                   |    |                       |               |    |                   |         |    |                   |         |    |                   |         |               |                  |    |          |      |        |                   |          |   |          |  |  |  |   |           |                  |          |               |         |  |  |  |  |   |          |  |           |   |           |
|------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-------------------|----------|---------------|--------------------|-----------|-----------------|--------------------|----------------|----|-----------------------|-------------------|----|-----------------------|-------------------|----|-----------------------|---------------|----|-------------------|---------|----|-------------------|---------|----|-------------------|---------|---------------|------------------|----|----------|------|--------|-------------------|----------|---|----------|--|--|--|---|-----------|------------------|----------|---------------|---------|--|--|--|--|---|----------|--|-----------|---|-----------|
| <b>Technical sheet / Datos técnicos:</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                       |                   |          |               |                    |           |                 |                    |                |    |                       |                   |    |                       |                   |    |                       |               |    |                   |         |    |                   |         |    |                   |         |               |                  |    |          |      |        |                   |          |   |          |  |  |  |   |           |                  |          |               |         |  |  |  |  |   |          |  |           |   |           |
| A                                        | Part number adaptable to / Referencia adaptable a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                       |                   |          |               | 4613240120         |           |                 |                    |                |    |                       |                   |    |                       |                   |    |                       |               |    |                   |         |    |                   |         |    |                   |         |               |                  |    |          |      |        |                   |          |   |          |  |  |  |   |           |                  |          |               |         |  |  |  |  |   |          |  |           |   |           |
|                                          | Operating pressure / Presión de trabajo                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                       |                   |          |               | max. 8,5 bar       |           |                 |                    |                |    |                       |                   |    |                       |                   |    |                       |               |    |                   |         |    |                   |         |    |                   |         |               |                  |    |          |      |        |                   |          |   |          |  |  |  |   |           |                  |          |               |         |  |  |  |  |   |          |  |           |   |           |
|                                          | Predominance / Predominancia                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                       |                   |          |               | ≤ 0,3 bar          |           |                 |                    |                |    |                       |                   |    |                       |                   |    |                       |               |    |                   |         |    |                   |         |    |                   |         |               |                  |    |          |      |        |                   |          |   |          |  |  |  |   |           |                  |          |               |         |  |  |  |  |   |          |  |           |   |           |
|                                          | Permissible medium / Medio de funcionamiento                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                       |                   |          |               | Air / Aire         |           |                 |                    |                |    |                       |                   |    |                       |                   |    |                       |               |    |                   |         |    |                   |         |    |                   |         |               |                  |    |          |      |        |                   |          |   |          |  |  |  |   |           |                  |          |               |         |  |  |  |  |   |          |  |           |   |           |
|                                          | Operating temperature range / Rango de temperatura                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                       |                   |          |               | -40°C to / a +80°C |           |                 |                    |                |    |                       |                   |    |                       |                   |    |                       |               |    |                   |         |    |                   |         |    |                   |         |               |                  |    |          |      |        |                   |          |   |          |  |  |  |   |           |                  |          |               |         |  |  |  |  |   |          |  |           |   |           |
|                                          | Weight / Peso                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                       |                   |          |               | 3950 gr            |           |                 |                    |                |    |                       |                   |    |                       |                   |    |                       |               |    |                   |         |    |                   |         |    |                   |         |               |                  |    |          |      |        |                   |          |   |          |  |  |  |   |           |                  |          |               |         |  |  |  |  |   |          |  |           |   |           |
| B                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                       |                   |          |               |                    |           |                 |                    |                |    |                       |                   |    |                       |                   |    |                       |               |    |                   |         |    |                   |         |    |                   |         |               |                  |    |          |      |        |                   |          |   |          |  |  |  |   |           |                  |          |               |         |  |  |  |  |   |          |  |           |   |           |
|                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                       |                   |          |               |                    |           |                 |                    |                |    |                       |                   |    |                       |                   |    |                       |               |    |                   |         |    |                   |         |    |                   |         |               |                  |    |          |      |        |                   |          |   |          |  |  |  |   |           |                  |          |               |         |  |  |  |  |   |          |  |           |   |           |
| C                                        | <table border="1"> <thead> <tr> <th>Port / Conexión</th> <th>Function / Función</th> <th>Thread / Rosca</th> </tr> </thead> <tbody> <tr> <td>11</td> <td>Supply / Alimentación</td> <td>M16x1,5 &amp; M12x1,5</td> </tr> <tr> <td>12</td> <td>Supply / Alimentación</td> <td>M16x1,5 &amp; M12x1,5</td> </tr> <tr> <td>13</td> <td>Supply / Alimentación</td> <td>M12x1,5</td> </tr> <tr> <td>21</td> <td>Delivery / Salida</td> <td>M16x1,5</td> </tr> <tr> <td>22</td> <td>Delivery / Salida</td> <td>M16x1,5</td> </tr> <tr> <td>23</td> <td>Delivery / Salida</td> <td>M12x1,5</td> </tr> <tr> <td>3</td> <td>Exhaust / Escape</td> <td>-</td> </tr> </tbody> </table>                                                                                                                                                                                                                          |                       |                   |          |               |                    |           | Port / Conexión | Function / Función | Thread / Rosca | 11 | Supply / Alimentación | M16x1,5 & M12x1,5 | 12 | Supply / Alimentación | M16x1,5 & M12x1,5 | 13 | Supply / Alimentación | M12x1,5       | 21 | Delivery / Salida | M16x1,5 | 22 | Delivery / Salida | M16x1,5 | 23 | Delivery / Salida | M12x1,5 | 3             | Exhaust / Escape | -  |          |      |        |                   |          |   |          |  |  |  |   |           |                  |          |               |         |  |  |  |  |   |          |  |           |   |           |
|                                          | Port / Conexión                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Function / Función    | Thread / Rosca    |          |               |                    |           |                 |                    |                |    |                       |                   |    |                       |                   |    |                       |               |    |                   |         |    |                   |         |    |                   |         |               |                  |    |          |      |        |                   |          |   |          |  |  |  |   |           |                  |          |               |         |  |  |  |  |   |          |  |           |   |           |
|                                          | 11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Supply / Alimentación | M16x1,5 & M12x1,5 |          |               |                    |           |                 |                    |                |    |                       |                   |    |                       |                   |    |                       |               |    |                   |         |    |                   |         |    |                   |         |               |                  |    |          |      |        |                   |          |   |          |  |  |  |   |           |                  |          |               |         |  |  |  |  |   |          |  |           |   |           |
|                                          | 12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Supply / Alimentación | M16x1,5 & M12x1,5 |          |               |                    |           |                 |                    |                |    |                       |                   |    |                       |                   |    |                       |               |    |                   |         |    |                   |         |    |                   |         |               |                  |    |          |      |        |                   |          |   |          |  |  |  |   |           |                  |          |               |         |  |  |  |  |   |          |  |           |   |           |
|                                          | 13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Supply / Alimentación | M12x1,5           |          |               |                    |           |                 |                    |                |    |                       |                   |    |                       |                   |    |                       |               |    |                   |         |    |                   |         |    |                   |         |               |                  |    |          |      |        |                   |          |   |          |  |  |  |   |           |                  |          |               |         |  |  |  |  |   |          |  |           |   |           |
|                                          | 21                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Delivery / Salida     | M16x1,5           |          |               |                    |           |                 |                    |                |    |                       |                   |    |                       |                   |    |                       |               |    |                   |         |    |                   |         |    |                   |         |               |                  |    |          |      |        |                   |          |   |          |  |  |  |   |           |                  |          |               |         |  |  |  |  |   |          |  |           |   |           |
|                                          | 22                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Delivery / Salida     | M16x1,5           |          |               |                    |           |                 |                    |                |    |                       |                   |    |                       |                   |    |                       |               |    |                   |         |    |                   |         |    |                   |         |               |                  |    |          |      |        |                   |          |   |          |  |  |  |   |           |                  |          |               |         |  |  |  |  |   |          |  |           |   |           |
|                                          | 23                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Delivery / Salida     | M12x1,5           |          |               |                    |           |                 |                    |                |    |                       |                   |    |                       |                   |    |                       |               |    |                   |         |    |                   |         |    |                   |         |               |                  |    |          |      |        |                   |          |   |          |  |  |  |   |           |                  |          |               |         |  |  |  |  |   |          |  |           |   |           |
| 3                                        | Exhaust / Escape                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -                     |                   |          |               |                    |           |                 |                    |                |    |                       |                   |    |                       |                   |    |                       |               |    |                   |         |    |                   |         |    |                   |         |               |                  |    |          |      |        |                   |          |   |          |  |  |  |   |           |                  |          |               |         |  |  |  |  |   |          |  |           |   |           |
| D                                        | <b>Purpose / Propósito:</b><br>Application of service brake system through the pedal actuation by the driver. / Aplicación del freno de servicio mediante la actuación del pedal por parte del conductor.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                       |                   |          |               |                    |           |                 |                    |                |    |                       |                   |    |                       |                   |    |                       |               |    |                   |         |    |                   |         |    |                   |         |               |                  |    |          |      |        |                   |          |   |          |  |  |  |   |           |                  |          |               |         |  |  |  |  |   |          |  |           |   |           |
|                                          | <b>Installation requirements / Requisitos para la instalación:</b><br>The design of the foot brake valve, acting on seat, must guarantee the maximum way of the push rod that is necessary to control the valve even in case of failure in the circuit I. Mounting is accomplished with three holes Ø9,5 mm. / El diseño de la válvula de freno de pie, accionándolo desde el asiento, debe garantizar el máximo recorrido de la varilla de empuje que resulta necesario para el accionamiento de la válvula, incluso en caso de que falle el circuito I. El montaje se efectúa por medio de los tres agujeros Ø9,5 mm.                                                                                                                                                                                                                                                                             |                       |                   |          |               |                    |           |                 |                    |                |    |                       |                   |    |                       |                   |    |                       |               |    |                   |         |    |                   |         |    |                   |         |               |                  |    |          |      |        |                   |          |   |          |  |  |  |   |           |                  |          |               |         |  |  |  |  |   |          |  |           |   |           |
| E                                        | <table border="1"> <tr> <td rowspan="4">Modification</td> <td>4</td> <td></td> <td></td> <td></td> <td>Drawn</td> <td rowspan="4"> </td> </tr> <tr> <td>3</td> <td></td> <td></td> <td></td> <td>30/06/17 J.S.</td> </tr> <tr> <td>2</td> <td></td> <td></td> <td></td> <td>Checked</td> </tr> <tr> <td>1</td> <td></td> <td></td> <td></td> <td>30/06/17 O.V.</td> </tr> <tr> <td rowspan="3">F</td> <td>nº</td> <td>Modified</td> <td>Date</td> <td>Reason</td> <td>General Tolerance</td> <td>Assembly</td> <td>-</td> </tr> <tr> <td colspan="4" rowspan="2">Comments</td> <td>-</td> <td>Part name</td> <td>Foot brake valve</td> </tr> <tr> <td>Material</td> <td>ID. Reference</td> <td>2212608</td> </tr> <tr> <td colspan="4" rowspan="2"></td> <td>-</td> <td>Scale: -</td> <td rowspan="2"> </td> <td rowspan="2">Sheet 1/2</td> </tr> <tr> <td>-</td> <td>Review: 0</td> </tr> </table> |                       |                   |          |               |                    |           | Modification    | 4                  |                |    |                       | Drawn             |    | 3                     |                   |    |                       | 30/06/17 J.S. | 2  |                   |         |    | Checked           | 1       |    |                   |         | 30/06/17 O.V. | F                | nº | Modified | Date | Reason | General Tolerance | Assembly | - | Comments |  |  |  | - | Part name | Foot brake valve | Material | ID. Reference | 2212608 |  |  |  |  | - | Scale: - |  | Sheet 1/2 | - | Review: 0 |
|                                          | Modification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 4                     |                   |          |               | Drawn              |           |                 |                    |                |    |                       |                   |    |                       |                   |    |                       |               |    |                   |         |    |                   |         |    |                   |         |               |                  |    |          |      |        |                   |          |   |          |  |  |  |   |           |                  |          |               |         |  |  |  |  |   |          |  |           |   |           |
|                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 3                     |                   |          |               | 30/06/17 J.S.      |           |                 |                    |                |    |                       |                   |    |                       |                   |    |                       |               |    |                   |         |    |                   |         |    |                   |         |               |                  |    |          |      |        |                   |          |   |          |  |  |  |   |           |                  |          |               |         |  |  |  |  |   |          |  |           |   |           |
|                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 2                     |                   |          |               | Checked            |           |                 |                    |                |    |                       |                   |    |                       |                   |    |                       |               |    |                   |         |    |                   |         |    |                   |         |               |                  |    |          |      |        |                   |          |   |          |  |  |  |   |           |                  |          |               |         |  |  |  |  |   |          |  |           |   |           |
|                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1                     |                   |          |               | 30/06/17 O.V.      |           |                 |                    |                |    |                       |                   |    |                       |                   |    |                       |               |    |                   |         |    |                   |         |    |                   |         |               |                  |    |          |      |        |                   |          |   |          |  |  |  |   |           |                  |          |               |         |  |  |  |  |   |          |  |           |   |           |
|                                          | F                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | nº                    | Modified          | Date     | Reason        | General Tolerance  | Assembly  | -               |                    |                |    |                       |                   |    |                       |                   |    |                       |               |    |                   |         |    |                   |         |    |                   |         |               |                  |    |          |      |        |                   |          |   |          |  |  |  |   |           |                  |          |               |         |  |  |  |  |   |          |  |           |   |           |
| Comments                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                       |                   | -        | Part name     | Foot brake valve   |           |                 |                    |                |    |                       |                   |    |                       |                   |    |                       |               |    |                   |         |    |                   |         |    |                   |         |               |                  |    |          |      |        |                   |          |   |          |  |  |  |   |           |                  |          |               |         |  |  |  |  |   |          |  |           |   |           |
|                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                       |                   | Material | ID. Reference | 2212608            |           |                 |                    |                |    |                       |                   |    |                       |                   |    |                       |               |    |                   |         |    |                   |         |    |                   |         |               |                  |    |          |      |        |                   |          |   |          |  |  |  |   |           |                  |          |               |         |  |  |  |  |   |          |  |           |   |           |
|                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                       |                   | -        | Scale: -      |                    | Sheet 1/2 |                 |                    |                |    |                       |                   |    |                       |                   |    |                       |               |    |                   |         |    |                   |         |    |                   |         |               |                  |    |          |      |        |                   |          |   |          |  |  |  |   |           |                  |          |               |         |  |  |  |  |   |          |  |           |   |           |
|                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                       |                   | -        | Review: 0     |                    |           |                 |                    |                |    |                       |                   |    |                       |                   |    |                       |               |    |                   |         |    |                   |         |    |                   |         |               |                  |    |          |      |        |                   |          |   |          |  |  |  |   |           |                  |          |               |         |  |  |  |  |   |          |  |           |   |           |
| PG/18/02 rev.1 1                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 2                     |                   | 3        |               | 4                  |           |                 |                    |                |    |                       |                   |    |                       |                   |    |                       |               |    |                   |         |    |                   |         |    |                   |         |               |                  |    |          |      |        |                   |          |   |          |  |  |  |   |           |                  |          |               |         |  |  |  |  |   |          |  |           |   |           |

