

| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                       | 2                 |                    | 3              |          | 4                     |                   |           |                       |                   |    |                       |         |    |                   |         |    |                   |         |    |                   |         |   |                  |   |  |  |  |  |  |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-------------------|--------------------|----------------|----------|-----------------------|-------------------|-----------|-----------------------|-------------------|----|-----------------------|---------|----|-------------------|---------|----|-------------------|---------|----|-------------------|---------|---|------------------|---|--|--|--|--|--|--|
| <b>Technical sheet / Datos técnicos:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                       |                   |                    |                |          |                       |                   |           |                       |                   |    |                       |         |    |                   |         |    |                   |         |    |                   |         |   |                  |   |  |  |  |  |  |  |
| Part number adaptable to / Referencia adaptable a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                       |                   |                    |                |          | 4613240160            |                   |           |                       |                   |    |                       |         |    |                   |         |    |                   |         |    |                   |         |   |                  |   |  |  |  |  |  |  |
| Operating pressure / Presión de trabajo                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                       |                   |                    |                |          | max. 10 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               |                   |           |                       |                   |    |                       |         |    |                   |         |    |                   |         |    |                   |         |   |                  |   |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                       |                   |                    |                |          |                       |                   |           |                       |                   |    |                       |         |    |                   |         |    |                   |         |    |                   |         |   |                  |   |  |  |  |  |  |  |
| <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      | -                 |                    |                |          |                       |                   |           |                       |                   |    |                       |         |    |                   |         |    |                   |         |    |                   |         |   |                  |   |  |  |  |  |  |  |
| <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.                                                    |                       |                   |                    |                |          |                       |                   |           |                       |                   |    |                       |         |    |                   |         |    |                   |         |    |                   |         |   |                  |   |  |  |  |  |  |  |
| F                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Modification          | 4                 |                    |                |          | Drawn                 |                   |           |                       |                   |    |                       |         |    |                   |         |    |                   |         |    |                   |         |   |                  |   |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                       | 3                 |                    |                |          | 30/06/17 J.S.         |                   |           |                       |                   |    |                       |         |    |                   |         |    |                   |         |    |                   |         |   |                  |   |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                       | 2                 |                    |                |          | Checked               |                   |           |                       |                   |    |                       |         |    |                   |         |    |                   |         |    |                   |         |   |                  |   |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                       | 1                 |                    |                |          | 30/06/17 O.V.         |                   |           |                       |                   |    |                       |         |    |                   |         |    |                   |         |    |                   |         |   |                  |   |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                       | nº                | Modified           | Date           | Reason   | General Tolerance     |                   | Assembly  | -                     |                   |    |                       |         |    |                   |         |    |                   |         |    |                   |         |   |                  |   |  |  |  |  |  |  |
| Comments                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                       |                   |                    |                | -        | Part name             | Foot brake valve  |           |                       |                   |    |                       |         |    |                   |         |    |                   |         |    |                   |         |   |                  |   |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                       |                   |                    |                | Material | ID. Reference         | 2212609           |           |                       |                   |    |                       |         |    |                   |         |    |                   |         |    |                   |         |   |                  |   |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                       |                   |                    |                | -        | Scale: -              |                   |           |                       |                   |    |                       |         |    |                   |         |    |                   |         |    |                   |         |   |                  |   |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                       |                   |                    |                | -        | Review: 0             |                   | Sheet 1/2 |                       |                   |    |                       |         |    |                   |         |    |                   |         |    |                   |         |   |                  |   |  |  |  |  |  |  |
| PG/18/02 rev.1 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                       | 2                 |                    | 3              |          | 4                     |                   |           |                       |                   |    |                       |         |    |                   |         |    |                   |         |    |                   |         |   |                  |   |  |  |  |  |  |  |

