OUTLET POINT 503
for cutting machines

Outlet point with integrated gas filters for cutting machines with fuel gas, heating gas and cutting oxygen.

Benefits
- inlet with fittings
- reliable filtering performance increases service life of downstream fittings and equipment by gas filter 622 (40 µm)
- ball valve in inlet signals clearly position OPEN / CLOSED respectively gas flow / gas stop
- with safety device 85-10, against reverse gas flow and flashbacks according to DIN EN ISO 5175-1
- quick and easy wall mounting
- compact design on nickel plated square tube
- completely mounted and tested

Operation / Usage
Outlet points at the end of gas supply, verified with local required consumption rate.
Applicable for cutting machines.
Outlet points will be supplied in standard program or special design.

Assembly
Nickel plated square tube. For withdrawal of:

1x Acetylene
inlet: soldering end 21.3 mm,
ball valve DN 10,
gas filter 622,
pressure regulator for outlet point,
safety device 85-10,
outlet: G 3/4 LH male with cone

1x Heating Oxygen
inlet: pipe coupler for copper- or stainless steel tube 15x1,
ball valve DN 10,
gas filter 622,
pressure regulator for outlet point,
safety device 85-10,
outlet: G3/4 RH male

1x Cutting Oxygen
inlet: pipe coupler for copper- or stainless steel tube 15x1,
ball valve DN 10,
gas filter 622,
pressure regulator for outlet point,
safety device 85-10,
outlet 3/4 RH male with cone

completely mounted and tested
Other connections available on request

Approvals
Company certified according to ISO 9001
Cleaned for Oxygen Service according to:
- EIGA IGC Doc 13/12/E: Oxygen Pipeline and Piping Systems

Technical Data

<table>
<thead>
<tr>
<th>Gases</th>
<th>Acetylene (A)</th>
<th>Heating Oxygen (O)</th>
<th>Cutting Oxygen (O)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Order-No.</td>
<td>280030091</td>
<td>16</td>
<td>16</td>
</tr>
<tr>
<td>( p_{v \text{ max.}} ) ([\text{bar}])</td>
<td>1.5</td>
<td>0 – 10</td>
<td>0 – 20</td>
</tr>
<tr>
<td>( p_{H \text{ max. (static)}} ) ([\text{bar}])</td>
<td>0 – 1.5</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>( Q_{max. (at \ p_H=1,5 \text{ bar})} ) ([\text{m}^3/\text{h}])</td>
<td>4.5</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>( Q_{max. (at \ p_H=10 \text{ bar})} ) ([\text{m}^3/\text{h}])</td>
<td>–</td>
<td>46</td>
<td>60</td>
</tr>
<tr>
<td>( Q_{max. (at \ p_H=20 \text{ bar})} ) ([\text{m}^3/\text{h}])</td>
<td>–</td>
<td>–</td>
<td>75</td>
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</tbody>
</table>

Connections

<table>
<thead>
<tr>
<th>Inlet</th>
<th>soldering nipple 21.3 mm</th>
<th>pipe coupler 15x1 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Outlet</td>
<td>Male with cone G 3/4 LH</td>
<td>G 3/4 RH</td>
</tr>
</tbody>
</table>

Dimensions

<table>
<thead>
<tr>
<th>Height ([\text{mm}])</th>
<th>530</th>
</tr>
</thead>
<tbody>
<tr>
<td>Width ([\text{mm}])</td>
<td>780</td>
</tr>
<tr>
<td>Depth ([\text{mm}])</td>
<td>115</td>
</tr>
<tr>
<td>Weight ([\text{kg}])</td>
<td>15</td>
</tr>
</tbody>
</table>