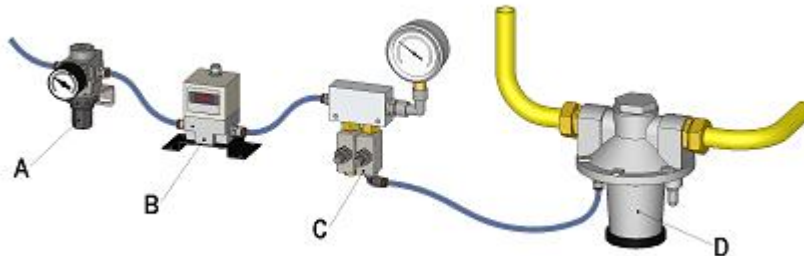




## Gas pressure automatic regulation troubleshooting

Gas pressure automatic regulation is usually composed by the following parts:



**Warning:** in case of problems do not change the regulation of the two air flow micro-regulators fitted with item C.

If the gas pressure automatic regulation doesn't work, the following instruction might help:

Possible problem	Possible solution
<b>Problem with the air pressure supply</b>	<ul style="list-style-type: none"> <li>Ensure manometers of items A and C are both displaying some level of pressure.</li> <li>If you don't have pressure at manometer A, ensure air pressure main valve is open and pressure regulator A is open too.</li> <li>If you don't have pressure at manometer C, check next point (Problem with item B)</li> </ul>
<b>Problem with item B (I/P converter)</b>	<ul style="list-style-type: none"> <li>Check that display of item B is on; if not, check the associated fuse inside the electrical cabinet</li> <li>Open the diagnostic program and move the cursor of the gas pressure automatic regulation from zero to the full scale and: <div data-bbox="446 1375 1109 1503" data-label="Image"> </div> <ul style="list-style-type: none"> <li>check that the needle of manometer C moves from 0 to at least 40 mbar</li> <li>check that item B produces its typical noise.</li> </ul> <p>If it doesn't happen:</p> <ul style="list-style-type: none"> <li>item B could be broken</li> <li>the problem could be with the Analog Output module to which item B is wired to (read point "I/O module problem").</li> </ul> </li> </ul>
<b>Problem with item D (air/gas ratio control)</b>	<div data-bbox="446 1787 1109 1912" data-label="Image"> </div> <ul style="list-style-type: none"> <li>Open the diagnostic program and move the cursor of the gas pressure automatic regulation from zero to the full scale, while ensuring the needle of manometer C is moving from 0 to at least 40 mbar. If this happens, but still you get no regulation, item D is very likely to be broken</li> </ul>



Possible problem	Possible solution
<b>I/O module problem</b>	<p>Depending on the kind of hardware (I/O electronic modules):</p> <ul style="list-style-type: none"><li>• Check the status of the led on the I/O electronic modules inside the electric cabinet</li><li>• Read <a href="#">Compact Field Point electronic I/O modules troubleshooting</a></li><li>• Read <a href="#">Beckhoff bus coupler (BK9050) troubleshooting</a></li><li>• Read <a href="#">Wago and Beckhoff electronic modules troubleshooting</a></li><li>• Read <a href="#">cDAQ electronic modules troubleshooting</a></li></ul>