Aztec ADS430170
Compressed air adaptor

1 Introduction
This publication details installation procedures for the ADS430170 compressed air adaptor kit used for cleaning the ADS430 (RDO®-PRO-X) optical dissolved oxygen probe. The procedures must be carried out by a trained technician.

2 For more information
Further information is available from:
www.abb.com/analytical

or by scanning these codes:

Sales  Service
3 Identification

Kit contents are shown in Table 3.1:

<table>
<thead>
<tr>
<th>Description</th>
<th>Part no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compressed air adaptor kit, comprising:</td>
<td>ADS430170</td>
</tr>
<tr>
<td>- compressed air adaptor assembly</td>
<td>0212393</td>
</tr>
<tr>
<td>- nylon tube (6 mm OD x 4 mm ID x 15 m [45 ft.] long)</td>
<td>ADS430121</td>
</tr>
<tr>
<td>- 3 x spring clips (tube to ø42 mm pipe)</td>
<td>ADS430122</td>
</tr>
<tr>
<td>- 3 x spring clips (tube to ø50 mm pipe)</td>
<td></td>
</tr>
<tr>
<td>- this Information sheet – Aztec ADS430170</td>
<td>INF14/158–EN</td>
</tr>
</tbody>
</table>

Table 3.1 Compressed air adaptor kit – ADS430170

Compressed air can be supplied using the optional ABB compressed air supply unit (ADS430 EZCLEAN) or customers’ own air supply. When used with the ABB unit, automatic scheduled cleans can be configured at the AWT440 transmitter associated with the probe.

4 Additional pneumatic tubing (optional)

<table>
<thead>
<tr>
<th>Part number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADS430175</td>
<td>Tubing only: 15 m (45 ft.) x 6 mm OD nylon tubing</td>
</tr>
</tbody>
</table>

Table 4.1 6 mm OD nylon tubing (optional) – ADS430175

5 Associated information

Publications for the associated Aztec ADS430 probe and compressed air supply unit are available for free download from www.abb.com/measurement (see links and reference numbers below) or by scanning this code:

6 Installation

Referring to Fig. 6.1:

1. Unscrew and remove probe shroud (A) from probe body (B).
2. Ensure captive O-ring (C) is in place on the probe and screw compressed air adaptor (D) onto probe (B).

**IMPORTANT (NOTE)** Do not overtighten to avoid damage to probe or adaptor.

3. Connect one end of 6 mm OD nylon tubing (E) to swivel coupling (F).
4. Complete connection of nylon tubing to the regulated and controlled compressed air supply*.

**WARNING – Bodily injury**

Maximum pressure 50.7 psi(g) / 3.5 bar(g) when compressed air supplied by ADS430 EZCLEAN compressed air supply unit (outlet closed).

5. Use the appropriate spring clips to secure the nylon tubing to the dip pole or boom (as required).

*Typical pressure and flowrate – 20 psi(g) / 1.38 bar(g) @ 0.5 scfm (14.16 l/min) set to perform every 4 hours

Fig. 6.1 Fitting the adaptor to the probe
Acknowledgements

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