

Part Number ID-1406 (In-Line Dryer) Instructions for Use

To check the oxygen purity from a concentrator with HUMIDIFLOW™ installed, use the ID-1406 in-line dryer. This device is suitable for drying oxygen flows up to 5 LPM. The silica gel is not for ingestion and should be kept out of reach of children. A MSDS is available upon request.

Instructions for Use

1. Place the concentrator in a stable environment minimizing ambient fluctuations in temperature and humidity.
Note: If the ID-1406 has just been purchased or has been unused for more than one month, please regenerate prior to use, as moisture may have entered the unit during shipping and storage. See regeneration instructions below.
2. Allow the oxygen concentrator to warm up for the manufacturer recommended period of time.
3. Once it has warmed up, set the oxygen flow to the specified value. The ID-1406 works for any flow up to 5 LPM.
4. Connect the inlet of the ID-1406 to the oxygen concentrator, so that the flow arrow faces in the direction of the analyzer.
Note: Do not connect the ID-1406 to the concentrator until you are ready to take a reading. Leaving the ID-1406 connected during the warm up period will simply cause it to deplete more quickly. Do not use the ID-1406 if dust is present in the connection tubing.
5. Connect the outlet of the ID-1406 to the concentrator analyzer.
6. Take a reading as normal, allowing time for the number to stabilize.
Note: Using the ID-1406 allows for taking flow rate readings as well as oxygen concentration readings.
7. Once the reading is taken, disconnect the ID-1406 immediately and cap the ends to prolong life.
Caution: Do not leave the ID-1406 connected to a concentrator that will be used by a patient.
8. The ID-1406 should last for approximately 14 minutes of continuous use at normal room humidity levels when used with an ultrasonic analyzer. At this point, there should be about 1" of color change at the inlet of the ID-1406. When being used with a galvanic fuel cell type analyzer, the ID-1406 can be used longer, approximately 27 minutes, before requiring regeneration. This is due to galvanic fuel cell analyzers being less affected by water vapor than ultrasonic analyzers.

Regenerating the ID-1406 In-Line Dryer:

Once the ID-1406 has been depleted by use, has been left unused for more than one month, or has just been purchased, it needs to be regenerated.

1. Locate an oxygen concentrator that does not have HUMIDIFLOW™ installed, or any other humidification device, since this will provide extremely dry oxygen which can be used to regenerate the ID-1406.
2. Connect the ID-1406 to the concentrator in reverse flow. The outlet of the ID-1406 should be connected to the concentrator outlet, with the inlet of the ID-1406 unplugged.
3. Flow oxygen through the ID-1406 at a flow rate of approximately 5 LPM for at least 8 hours, or more preferably 2-3 LPM for at least 16 hours. (Drying at 1 LPM requires at least 24 hours.) It is not possible to over-regenerate the ID-1406.
4. Re-plug both ends of the ID-1406 and store in a cool dry place until required for use.
Note: Color of the ID-1406 will return to all dark purple long before the ID-1406 is completely regenerated. Removing the ID-1406 from the concentrator immediately after color returns to dark purple will cause reduced effectiveness compared to complete regeneration.