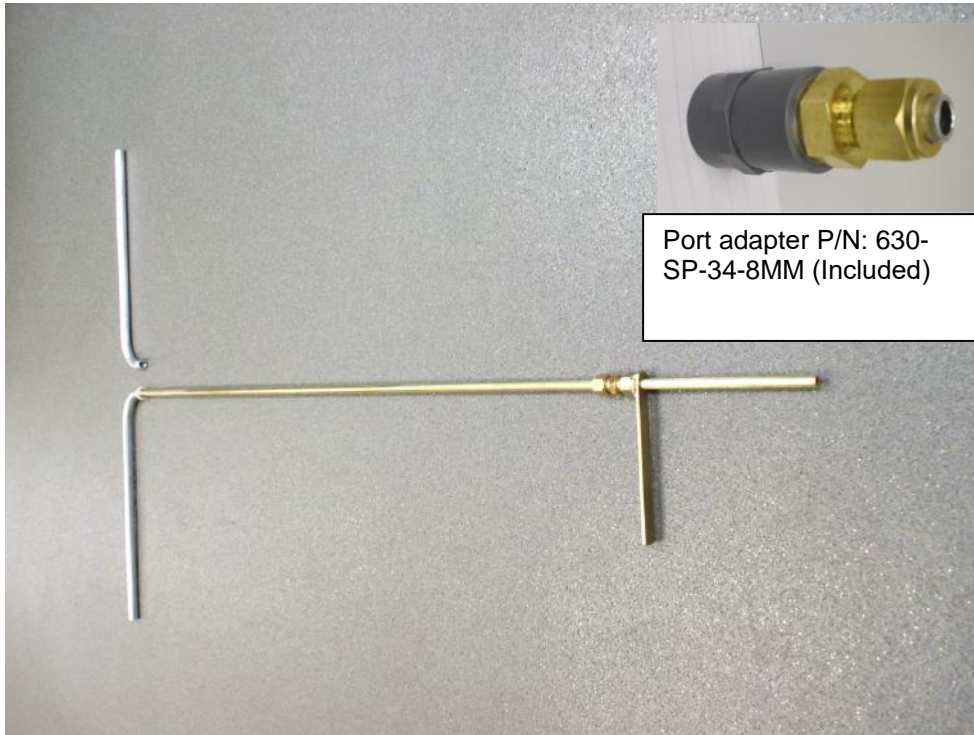


L-SCANNING PROBE OPERATION AND INSTALLATION INSTRUCTIONS FOR SCANNING HEPA FILTERS

L-Scanning Probe P/N : DOP315-L-1000



The L-Scanning Probe is supplied with two scanning heads and one scanning shaft fitted with an adjustable position handle and scanning port adaptor (Part Number 630-SP-34-8MM). The handle is secured to the shaft in such a way so as to indicate the position of the "L" probe.

General

The ATI L-Scanning Probe has been designed to facilitate the scanning of installed HEPA filters in difficult locations. It is to be used in conjunction with the ATI Scanning Port (PN 630-SP-34IN-12) and the included Scanning Port Adapter (PN 630-SP-34-8MM)

The ATI Scanning Port (P/N 630-SP-334IN-12) will need to be installed prior to testing with the L-Scanning Probe. This port is permanently installed onto the duct immediately downstream of the HEPA filter to be tested. The port is designed to seal securely in both positive and negative applications.

630-SP-34IN-12 L-Scanning Probe Port
External dimensions:
105 x 44 mm.



Operating Instruction

Ensure all Health and Safety requirements have been considered before commencing testing.

All local smoke alarms should be disabled including the duct mounted alarms

These instructions assume the tester is qualified in testing HEPA filters and correctly prepared the system for testing.

1. Locate the scanning port for the HEPA filter to be scanned
2. Prepare the L-Scanning probe
 - o Remove the handle if fitted and slide the scanning port adapter(630-SP-34-8MM) onto the shaft with the silver pipe piece away from the filter.
 - o Leave this loose for the moment
 - o Attach the head for the left side of the filter. The holes **MUST** be pointing towards the filter, into the airflow.
 - o Secure the L-Scanning probe to the shaft so that it will not loosen when in use.
 - o Fit the handle to the 8mm scanning probe shaft and secure in such a way that the handle indicated the orientation of the “L” probe.
3. Remove the cap from the sample port and store in a safe place
4. Insert the L-Scanning probe into the port so that the holes are pointing towards the filter. If there is any likelihood of the probe touching the filter then hold the handle securely so that the probe remains parallel to the filter
5. Secure the scanning port adapter (630-SP-34-8MM) to the sample port flange nipple.
6. Tighten the 1/2” nut on the back of the scanning port adapter (630-SP-34-8MM) so that the shaft of the scanning probe moves freely but remains sealed. It is advisable to lubricate the shaft and internal “O” ring with silicone grease. Do NOT use petroleum jelly, it will degrade the rubber “O” ring seal.
7. Insert probe fully to rear keeping the probe parallel to the filter at all times – avoid touching the sides of the duct.
8. Attach the photometer to the sample tube at the handle.
9. Set-up the photometer using the normal process.
10. Scan half of the filter, drawing the probe at <2 cm/sec
11. Repeat this process for the other side of the filter using the other (Right or Left) hand L-Probe
12. When the scan is complete remove the probe and tightly cap off the sample port.

Installation of the 630-SP-34IN-12 Sample Port.

The ports should be mounted exactly in the middle of the filter to be tested. It is for permanent installation and supplied with a positive sealing cap for when not in use.

The port should be mounted so that when the scanning probe is inserted into the port it is as close to the filter as possible. Take care that that when the probe is inserted it does not touch the filter. It must not be more than 75 mm from the filter.

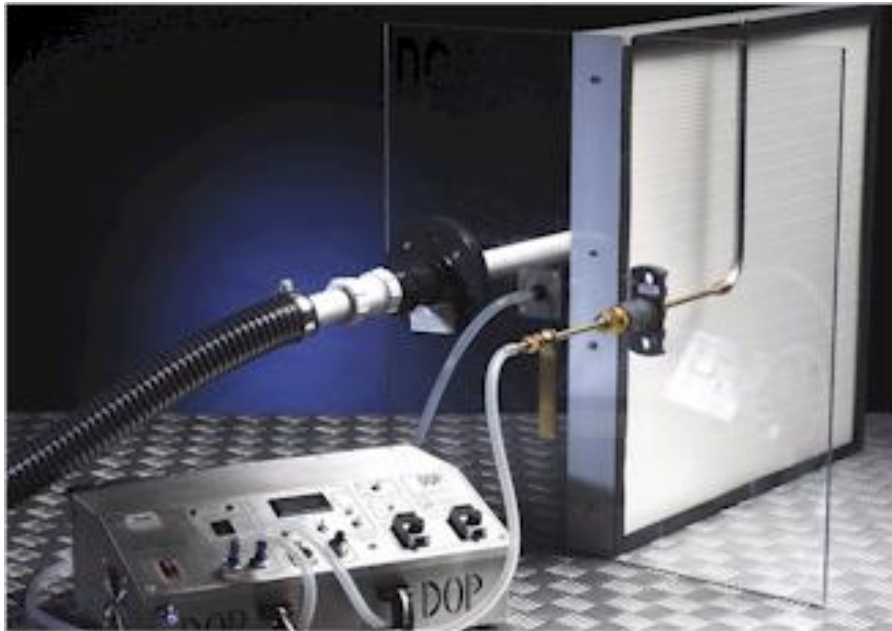
When the correct location for the port is determined cut a 25 mm hole in the duct at that point.

Apply silicone compound to the face of the flange and secure centrally over the hole with the self tapping screws provided.

Cap off the nipple on the flange until it is to be used.



630-SP-34IN-12 L-Probe Scanning Port
Flange size : 105 x 44 mm x 10mm thick



This picture is for graphical information only showing the “L” probe installed.

The aerosol injection port is NOT in its correct location. The aerosol injection port should be installed at least 20 duct diameters from the filter face if a sparge pipe is not used.