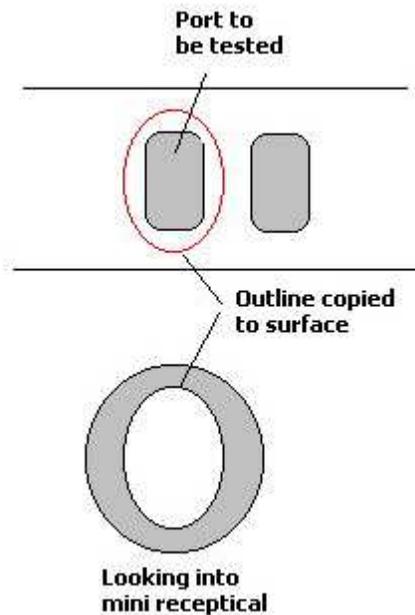


Flow Performance

Mini Receptacles

The Mini receptacle can be installed onto the end of the flow element to measure air flow through small ports in items such as exhaust headers and intake manifolds, without the need to fabricate special bench adapters. By connecting the flow element and mini adapter to a Shop Vac hose using the Flow Performance 2" Shop Vac hose to pipe connector, effective and fast flow measurements can be made on a variety of items.



The opening of the mini receptacle will need to be opened up just slightly larger than the opening of the port you will be measuring. **Do not create an opening in your receptacle that extends to the inner wall of the receptacle.** You must never open the receptacle to the inner wall, but leave at least 1/16" of material.

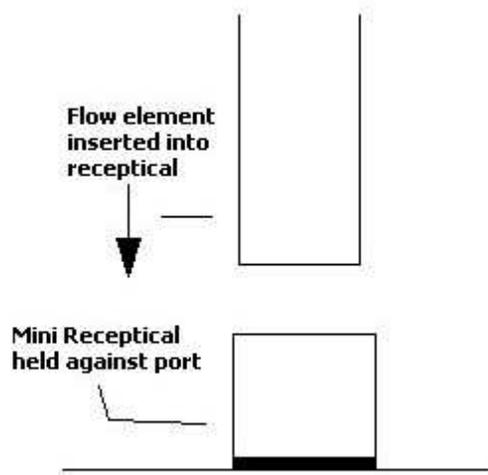
To use the receptacle, first mark the location you will hold the receptacle onto the flange of the test item using a sharp felt tip pen or scribe, as shown above. By holding the receptacle in place and marking its location from the inside of the opening, you will be able to place it in the exact location each test session. This is critical to accurate test results.

The receptacle pressure fitting is connected to the FP1 PS1 - connection.

The flow element is connected to a Shop Vac hose using the Flow Performance Shop Vac hose to pipe coupler. It is usually easiest to suspend the Shop Vac hose from above so that you can hold the flow element over the test piece.

Flow Performance

Mini Receptacles



Start the air source. With one hand hold the mini receptacle in place by looking through the receptacle to locate it on the mark you made on the test piece. When the receptacle is in place, insert the flow element into the receptacle snugly with your other hand and read the display.

It is critical that each test is made with the receptacle in the same exact location each and every test. You can observe the importance of this by moving the receptacle around a little bit while flow testing. The numbers will change. This is also a good way to see how the port reacts to the proximity of the walls of the port that will be bolted-up to the port you are testing.

Note: The flow numbers you will read will reflect how the port reacts to having the mini receptacle and a 2" diameter round pipe attached to it. They will probably not be the same as flow numbers obtained by any other method or fixture.

If adding an extension onto your flow element is not too inconvenient, it is always a good idea to do so. This will help insure your readings are not subjected to spinning air from some kinds of ports.