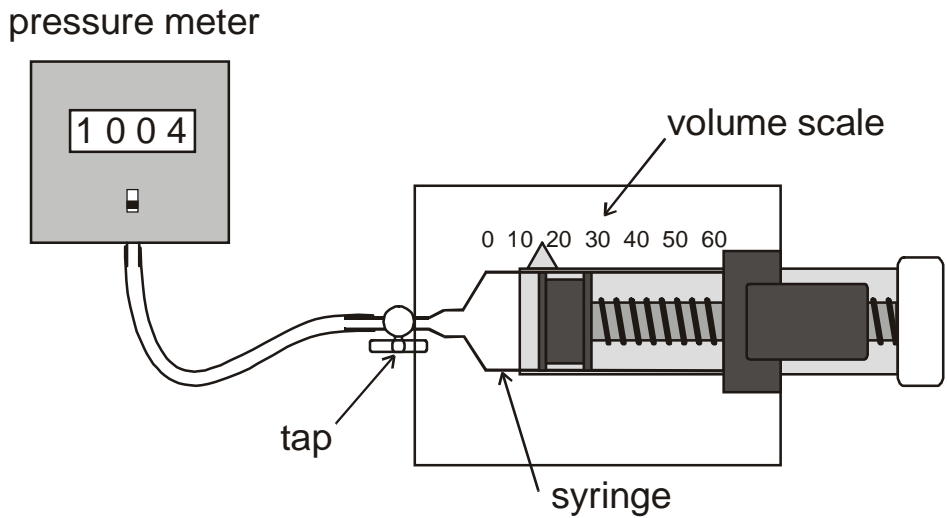
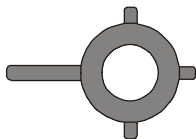


### Experiment to Verify the Boyle/Mariotte Law

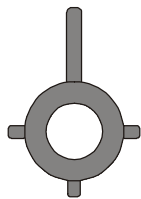
4. The diagram below shows a piece of apparatus which is rather simpler to use and also has the advantage that it does not use mercury, which is poisonous.



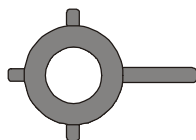
The tap has three positions.



Meter "blocked",  
Syringe open to the atmosphere.



Syringe connected to meter.



Syringe "blocked".  
Meter open to the atmosphere.

It is hoped that the method of using this apparatus is obvious.

As with the other apparatus, to verify the law, a graph will be plotted. Before starting the experiment, decide what quantities will be plotted on the graph.