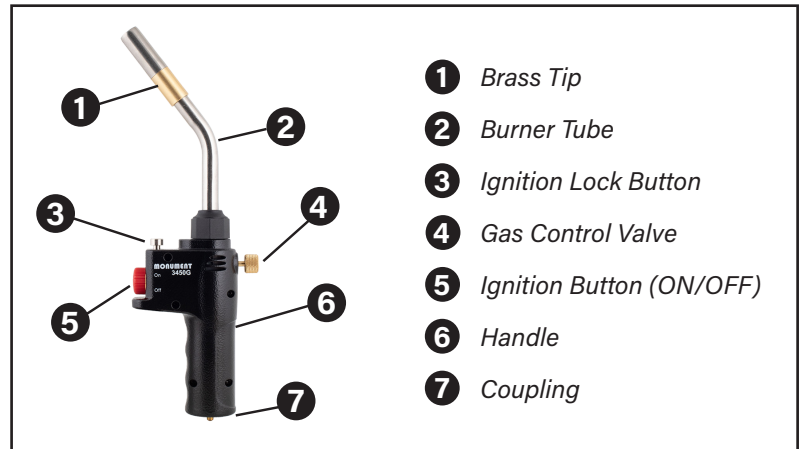


MONUMENT TOOLS

INSTRUCTIONS:

Important - Read and fully understand these instructions before use to familiarise yourself with the torch and the gas. keep these instructions for future reference.

Refer separately to any instructions relating to gas. Monument Tools Ltd cannot be held responsible for consequential loss or injuries caused by other manufacturers' products.



SAFETY INFORMATION:

1. Ensure the seal inside the base ⑦ surrounding the cylinder piercing pin on the torch is in place and undamaged. This seal prevents gas escaping when the torch is connected to the cylinder. If the seal is worn or missing do not use the torch until a replacement has been correctly fitted.
2. Do not use the torch if it leaks, is damaged or does not operate correctly.
3. Use the torch only in well ventilated areas so there is sufficient free air to combust the gas correctly. Failure to check this can lead to a dangerous build up of unburned gas which is heavier than air and could be ignited with dangerous consequences.
4. Always place the torch and cylinder set up on a level surface so that it will not fall over and do not allow the torch to ignite surroundings such as walls and carpets. Protective mats such as OMat® are readily available to protect surroundings. Beware of using inferior protective mats because they will not protect the surroundings fully.
5. Always operate the torch a safe distance from walls and ceilings. Take extra care in lofts or when using on fittings close to dry timbers or thatch so as not to cause any areas to smoulder. Make sure you have an in date, charged and checked fire extinguisher at arms length at all times during use.
6. Cylinders must be fitted to the torch outside buildings in well ventilated areas away from ignition sources like electric fires, naked flames, pilot lights and possible sparks.
7. If you suspect that there is a leak of gas from the unit then take the torch and gas outside and if you wish to check for leaks use warm, soapy water. On no account use a match, lighter or flame to detect the leak. If there has been a leak you must evacuate the gas by ventilation. LPG is heavier than air and accumulates in low areas such as underfloor, underground and in trenches.
8. DO NOT LEAVE THE TORCH UNATTENDED WHEN LIT - SWITCH IT OFF.
9. Keep the products away from children.

ASSEMBLY:

1. Make sure the seal at the base of the torch is in place (see above) and that the torch is turned off fully.
2. Align the thread in the base of the torch with the threaded top of the cylinder for a couple of turns. Once you have established that the torch is correctly fitted and the threads are not crossed, holding the bottle upright, screw the bottle on to the torch quickly to minimise any gas escape during this procedure.
3. Do not over tighten. There will be a short hiss of escaping gas when the valve in the top of the tank is pierced but this will stop as you turn the tank on to the torch.
4. Check that there is no gas leak at this stage otherwise investigate as above.

MONUMENT TOOLS

OPERATION:

1. The brass "control valve" ④ controls the amount of gas travelling through the torch to be ignited. This is marked "+/-". Start with the valve off in the "-" position (fully clockwise). Rotate this brass valve until about one third on. Do not turn fully on when igniting. Adjust the flame later on after initial ignition to suit your work. Normally the torch will give sufficient heat at this one third on setting. Remember that if the flame is too hot for your work just draw the flame away from the work piece so that the work piece will be cooler. It is easier to do this than trying to regulate the flame. Remember too that the flame is very hot and will melt copper pipe. When applied to copper pipe for example the flame has a wraparound effect heating both the front and back of the pipe. Use the torch, where possible, above or alongside the work to avoid molten solder entering the flame tube.
2. To ignite the gas, pointing the torch away from the body and combustible material, press the red trigger ⑤ at the front of the torch to actuate the piezo igniter. This sends a very high voltage spark to the upper flame tube to ignite the gas. You may have to press the trigger more than once for ignition. You can then lock the flame on by depressing the silver plunger ③ above the red trigger. To turn the torch off press the red trigger ⑤ again and the silver plunger which will pop upwards and allow the trigger to return to its rest position and the flame will go out. You do not have to depress the plunger above the trigger - just keep the trigger depressed and release and the flame will extinguish.
3. Try also to avoid using the torch upside down although the torch design prevents liquid gas entering the flame tube. A yellow flame may occur when the temperature of the gas is low or when the torch is used upside down for long periods. Start work with the gas bottle at room temperature - do not use a bottle that has remained in cold weather for a long period. To vaporise the gas (turn the liquid into a gas) latent heat has to be transferred through the walls of the bottle. Do not attempt to heat up the cylinder using artificial means. Just let the warm room do it. If the cylinder gets too cold for vaporisation then switch off and let the cylinder warm up before re-using.
4. After use the torch tip ① will be hot so allow to cool after use and before removing the cylinder.
5. Before removing the cylinder turn the brass valve ④ to the off position, clockwise or "-".
6. Once the cylinder is removed from the torch, purge any remaining gas in the torch by pressing the torch trigger ⑤.
7. Do not put the torch and gas connected together in your tool box or means of transport. The tool can be severely damaged if tossed around carelessly and nullifies any warranty claim. Take care of your Monument torch - good tools deserve to be looked after.

CHANGING THE CYLINDER:

1. Make sure the "control valve" ④ on the torch is in the off position and all flames extinguished.
2. Take the torch and gas outside the building and away from people.
3. Remove the cylinder from the torch.
4. Check the seal at the base of the torch ⑦ and without cross threading attach the new can to the torch as detailed above.
5. Dispose of cylinder responsibly. Do not dispose of a partially used cylinder.
6. Do not store full or empty cylinders or tanks in basements.

ROUTINE MAINTANENCE

1. If flame power drops then check that the cylinder has at least some gas left by gently rocking the bottle to see if there is any liquid gas (LPG) left. Take care not to damage the electric piezo ignition wire. (If this wire has damaged insulation it can short across to the flame tube at the wrong place causing ignition failure.) Unscrew the brass and steel flame tube end ② and check that the end of the piezo wire passes through the centre of the spring at the end of the bent portion of the flame tube, leaving the wire central to the tube. Also check that there is no solder which needs removing inside the flame tube causing an obstruction.
2. Spares are available from your stockist but use genuine spares originating from Monument Tools Ltd only. Incorrect spares can be dangerous. Do not modify the appliance or use it for purposes that it is not designed for.