

INJECTOR

- **Allows fast introduction of all Fernox treatments**
- **Specially designed nozzle fits most radiator air vents**
- **Tough construction for a long life**
- **Fitted pressure relief valve**
- **5 litre reservoir capacity**
- **Translucent reservoir - to monitor progress**
- **Easily filled and rinsed out**



Product Uses

The Fernox Injector has been designed to reduce the time involved in the introduction of treatments to both sealed and open vented domestic central heating systems. With sealed systems the use of the Injector provides a quick and simple method of treatment not previously available. With open vented systems, the main advantage of using the injector is to avoid continual access to the feed and expansion tank.

Application and Dosage

Treatment should be carried out when the heating system is off, i.e. cold and non-circulating. In order to treat a complete system, it is necessary to dose only one radiator.

Open vented systems are best treated by injecting into an upper floor radiator to minimise the opposing static head pressure. Care should be taken to ensure that when the heating system has reached normal operating temperature there is sufficient capacity in the header tank to accept the additional treatment without causing overflowing. It is recommended that a small quantity of Protector is added to the header tank after dosing, to provide sufficient biocide protection against bacterial contamination, slimes etc., in the tank.

Sealed systems must be treated in an unpressurised condition, and if filled, provision must first be made by draining off an amount equivalent to the volume which is to be injected. Always read the instructions supplied with the additive carefully before proceeding.

See overleaf for instructions for use.

INJECTOR

Instructions for use:

1. First isolate the selected radiator from the system. This is achieved by fully closing both the handwheel and lockshield valves. It is important to note the number of turns required to close the lockshield valve as, after dosing, it will be necessary to open this valve to its previous setting to maintain the correct hydraulic balancing of the system.
2. Once the radiator has been isolated, place a suitable cloth around the air vent to catch any escaping water. Remove the pin slowly with a vent key. There may be a very small amount of water lost from the vent initially, however, if the water continues to flow, check that both the radiator valves are firmly closed. Use another radiator if the valves do not hold up.
3. Screw the self-threading Injector nozzle into the air vent turning clockwise using firm even pressure. If the nozzle does not fit the air vent housing, segments can be cut from the nozzle until the correct diameter is obtained. Ensure a good tight fit is established.
4. Remove the pump assembly by rotating the handle in an anti-clockwise position when fully down. Fill the injector container with the relevant Fernox chemical and replace the pump assembly tightly. DO NOT fill above the shoulder of the container. Pressurise the container with a few strokes of the pump. Open ONE radiator valve only. When liquid can be seen to flow from the container along the delivery tube, apply further single strokes as required until all of the liquid has been injected.
5. Fully close the radiator valve opened in step 4. At this stage, if desired, the container may be refilled with more additives for injection (as in step 4 above).
6. Once the final chemical has been injected, repeat the procedure as in step 5 above, then unscrew the Injector nozzle from the radiator, using a cloth to catch any drops of water. Replace the radiator vent pin and tighten.
7. Open the lockshield radiator valve to its previous number of turns and fully open the remaining valve. Operate the heating system for about 15 minutes to circulate treatment throughout. Vent air from the radiator in normal manner.
8. Wash the Fernox Injector thoroughly with warm water. It is now ready for use again.