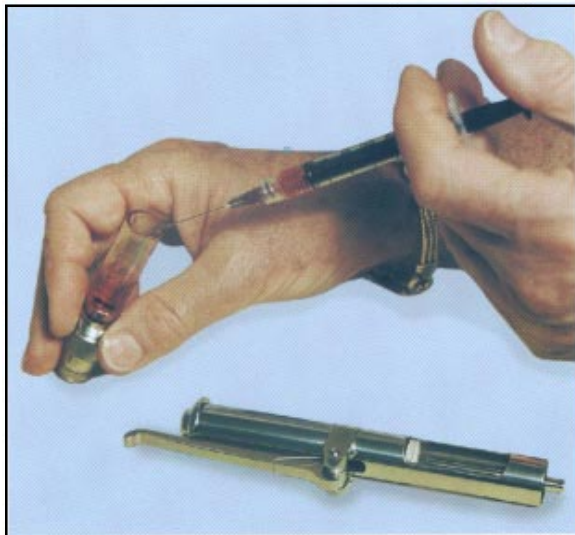


The Dermo-Jet

The Dermo-Jet is the latest model of the only original, authentic needle-less pressure infiltration apparatus available in the United States. Invented by Dr. A. Krantz, a French physician, the authentic DERMO-JET bears the stampings ~U.S. Patent No. 3,129,708 Robbins Instruments Co., Chatham, NJ". The DERMO-JET is a versatile, time-tested medical instrument for administration of subtopical injections of parenteral medicaments, anesthetic solutions, steroids in aqueous suspension, soluble drugs, vaccines, antibiotics, etc. Each DERMO-JET is stamped with a recorded serial number and is guaranteed against mechanical defects for a period of one year when used in accordance with the instructions. The DERMO-JET is made of the highest quality materials and is marketed exclusively by Robbins Instruments Inc., Chatham NJ, USA.

Loading & Priming

The DERMO-JET is normally filled with a needle syringe from a vial with .5 to 4.5 ml. medicament. The Chamber ring line indicates 4.5 ml. filling capacity. After the detachment of the Injector Head, and especially following sterilization, there will be a small volume of air trapped inside the Injector Head's channel and until this air is expelled by repeated priming, the ejected spray will not infiltrate the tissue.



Unscrew and remove head and chamber to fill.



Fold the charging arm over completely to load

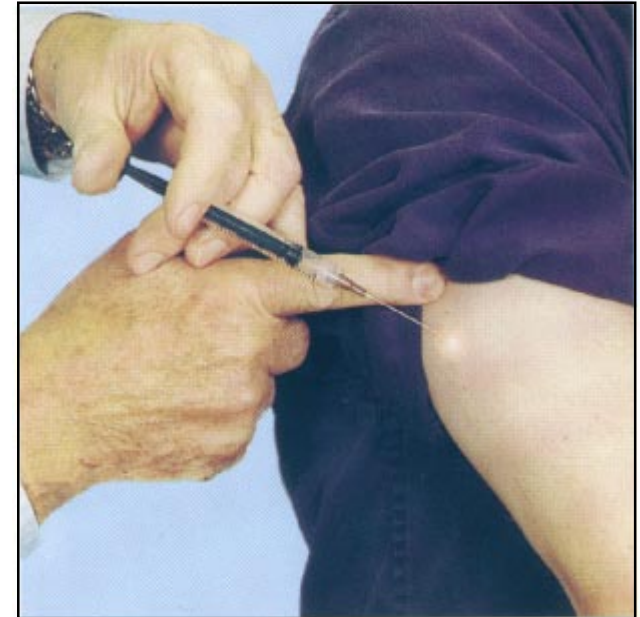
Ejection & Injection

The DERMO-JET can be fired from any angle. It is actuated by pressing the thumb upon the Release Button, which instantly triggers the ejection mechanism with an explosive impact. The detachable plastic Spacer functions as a positioner and the injection site stabilizer. Additionally, being sterilizable in a germicidal bath, the Spacer provides clinical asepsis for routine injections. The closer the Injection Head is held to the site of infiltration, the smaller will be the puncture and the larger the dosage of injection.



Place DERMO-JET over intended injection point and depress thumb trigger

Unlike a hypodermic needle, the DERMO-JET does not core, but punctures. No air can be injected. Firing of the DERMO-JET is accompanied by an explosive burst, produced by the liquified micro-jet ejected from the orifice with a velocity that is higher than the speed of sound. If the patient is treated with a DERMO-JET for the first time, the physician can demonstrate the sound effect of ejection by firing into the air. To a child-patient, the painless DERMO-JET injections can be demonstrated by harmless firing on the physician's palm from a distance of 10 inches.



After making the intradermal papule, inject as usual

Sterilization

Prior to sterilization, the Injector Head and the Plastic Chamber should be removed from the DERMO-JET and separated. The Plastic Chamber should be scrubbed with a soft brush followed by thorough rinse in clear water. The Plastic Chamber should be filled with sterile water and fired a few times to cleanse the Plunger and the Injector Head. The DERMO-JET may be sterilized by boiling or autoclaving (no gas) up to 284° F (140° C). The preferred sterilization for DERMO-JET is by steam-autoclave method.