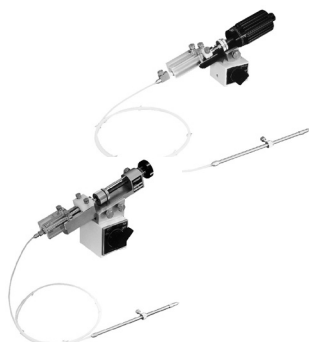


## ABOUT OIL FOR MANUAL INJECTORS



Generally, manual injectors are used with a syringe, tubing and injection holder filled with some kinds of oil.

Movement made by rotation of the handle transmits proportionately toward the head part of an injection holder by filling oil.

By using oil for power transmission, it allows you to control the oil surface in a pipette as you intend under a microscope.

※Pneumatic injectors( IM-9C etc.) are used without oil.

### <Point 1>

Our injectors do not come with oil.

This is because types of oil used are varied and depends on users' application.

Thus our injectors come without oil to allow the users to use the most suitable oil for their purposes.

### ◆◆ ABOUT OIL TO FILL ◆◆

Generally speaking, oil is selected under such points of view as: transparent or colorless, harmless, easy to obtain, not mixed with water, easy to find a border with water, viscosity, etc.

These oils are the most common types of oil.

◇silicone oil

◇mineral oil

◇paraffin oil

Distilled water is also available.

### <Point 2>

Operability varies depending on the viscosity of oil.

(e.g. Silicone Oil)

Many types of silicone oil are found in the market.

If injectors are filled with high viscosity oil (thick oil) ⇒ It feels slow to operate.

If injectors are filled with low viscosity oil (thin oil) ⇒ It feels fast to operate.

Some users take such properties into consideration to select the most suitable oil for their purposes, while others adjust viscosity to their preference by mixing different viscosity silicone oils.

※As silicone oil is not a medical product, please select the oil suitable for your experimental purposes.

If you have further questions, please feel free to contact us.