



Microinjectors

IM-11-2VM Pneumatic Microinjector

Smooth and comfortable pneumatic control for both injecting and holding sides

The Narishige IM-11-2VM is a pneumatically operated microinjector that allows suction and injection of a microsample with high precision and operability comparable to oil hydraulic injectors. Equipped with a coarse-fine coaxial control knob, the microinjector enables both coarse and fine movement operation. The IM-11-2VM has substantially improved on the amount of pressure change per knob rotation, thereby enabling finer and more powerful control.

There is no need to worry about entry of air bubbles into a micropipette when fitting it. The easy-to-insert fitting

mechanism is incorporated in the tubing connection linking the microinjector with the injection holder, making regular care/maintenance so much easier including removal of fragments of broken pipettes.

The IM-11-2VM is outfitted with a one-touch pressure relief valve that allows pressure to escape. With the microinjector in the pressure-free condition, shifting the position of the control knob enables volume changes of the syringe inside the microinjector, thereby changing operational responsiveness; a unique feature of the pneumatic microinjector.

- **High precision and operability**
- **Easy to insert / remove tubing connection**
- **Pressure release with push-button ease**
- **Wide range of movement/pressure characteristics**



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Key Features

1) Easy-to-insert/remove tubing connection

The fitting mechanism permits one-touch simple insertion and removal of the tubing, thereby making regular care so much easier such as removal of fragments of broken pipettes. Incorporates a mechanism that prevents a kink in the tubing from being transmitted to the injection holder, thereby enabling delicate adjustment of the rotation direction of the needle tip.

2) Pressure release with push-button ease

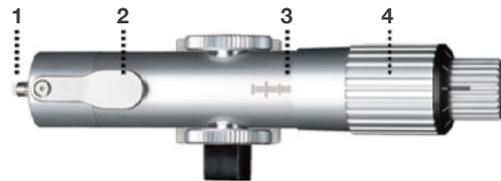
Outfitted with a one-touch pressure relief valve that allows pressure to escape, making it easy to adjust interfacial surface in the pipette or the volume of the syringe.

3) Responsiveness adjustable to your preference

Pressure changeability in the pipette tip can be adjusted by changing the volume of the syringe, thereby adjusting operational responsiveness according to your preference.

4) Wide range of movement/pressure characteristics

Through the adoption of a long syringe and a coarse-fine coaxial control knob, the amount of pressure change per knob rotation has increased by approx. 25 times, which helps achieve a wide range of pressure changeability.



Order Codes		
FNHIM-11-2	IM-11-2VM pneumatic microinjector	
FNHHI01PK01	Silicone Rubber Gasket	For 2.5 mm (10pcs)
FNHHI-9	Injection Holder	For Pneumatic Injector
FNHCT-1-1.5	Tubing for $\varnothing 2$ mm	$\varnothing 2$ mm \times 1.5 m
FNHCT-4	Tubing for $\varnothing 2$ mm	$\varnothing 2$ mm \times 1.2 m
FNHIMO10	O-ring	3 pcs

Specification	
Accessories included	Injection Holder (HI-9), Cleaning Rod, Tubing (CT-1-1.5, CT-4), O-ring (IMO10), Silicone Grease, Silicone Rubber Gasket (HI01PK01), Hex Wrench
Movement range	Plunger 40 mm
Dimensions/Weight	167-214 mm (W) \times 55 mm (D) \times 78 mm (H) / 680 g
Tube length	1.2 m

Ni189/V1

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