NARISHIGE WEB NEWS

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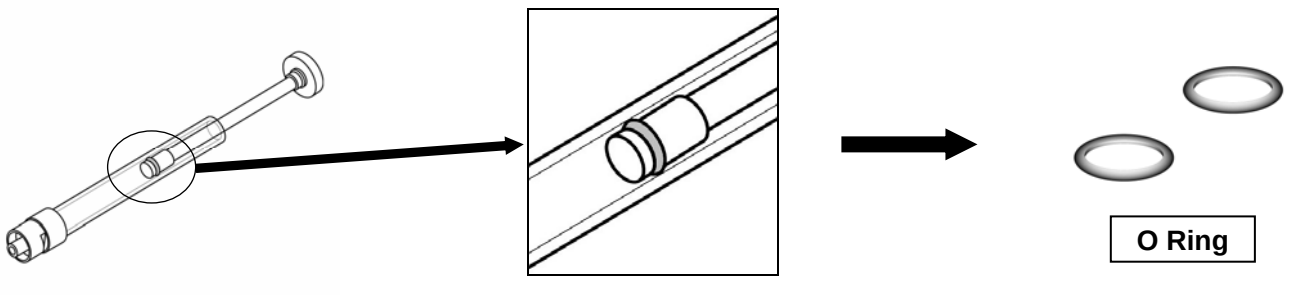
O RINGS

Do you know that O Rings are an important part of injectors?
In this Narishige Web News we will focus on the O Rings.

◇◆ What is the O Ring? ◆◇

The O Ring is a silicone ring which prevents leakage between the syringe and the plunger. In conventional syringes (lapping type), the tension of the handle sometimes changes from position to position by friction resistance. By using the O Ring, tension fluctuation is reduced while response and air tightness are enhanced during operation.



◇◆ Replacement ◆◇

The O Ring can be worn away and needs to be replaced when any of the following phenomena occur:

- Delayed response in operation by rotating the handle.
- Aspiration during non-aspiration operation.
- Oil leakage between the syringe and the plunger.
- Resistance while pushing the plunger (caused by stiff oxidized O Ring.)

＜Point!＞

Injectors must keep air tightness to work properly. When oil leaks out, pressure also leaks from that spot. The leakage disturbs control of fluid. When the O Ring is worn, oil leaks between the syringe and the plunger. When this happens, the O ring needs to be replaced.

＊For how to replace O Rings, please refer to the instruction manual for your injector.

◇◆ O Ring Table ◆◇

O RING MODEL	INJECTOR or SYRINGE MODEL
IMO1	IM-9A(SYR-13, SYR-14), IM-9C
IMO2	IM-9B(SYR-11, SYR-12)
IMO3	IM-5A-2, IM-5B-2
IMO4	IM-6-2
IMO5	IM-26-2, IM-88, IM-88H
IMO6	SYR-15

※The models are referenced with letters " I, M, O", followed by numbers .

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