

# Automatic Veterinary Syringes

**5cc ThaMa 215A-  
2cc ThaMa 213A-  
with Special Vial Holder**



## Operating Instructions:

The ThaMa syringes is the most versatile automatic syringes for the treatment of swine and other animal. Fitted with a unique multi-purpose connector, users may choose to administer vaccines directly from the manufacturer's vial through an easy use vial holder, or from a plastic feeding bottle.

## Before Use:

1. It is recommended to sterilize the syringe before each use.
2. Make sure that the valve springs and washers are properly positioned into their base.
3. Check that all screwed parts are tightened.
4. Tight the body screw nut (1340) to the body cover.

## Set the Dose:

1. Unscrew the adjusting screw nut (1314).
2. Adjust with the adjusting screw (1312) to the volume you need.
3. Lock with the screw nut (1314).
4. The volume set by the O-Ring line.

## Working with the Vial Holder:

1. Remove the black plastic clip (1342).
2. Insert the vial (1343) to the vaccine bottle and push it down.
3. Return the plastic clip back – connect the vial holder to the syringe.

**Pay attention that the black plastic clip is properly set!**

## After use:

### Care and Maintenance:

1. Dismantle the vial from the vial holder.
2. Pump the syringe in clear water, 6-10 times, to remove any residue of the material from the body, needles, tube and valves.

3. Open the body cover (1313) and wash all parts in clear water.
4. Open the luer lock needle adapter (1302) and the tubing valve housing (1303) - wash them in clear water.
5. Oil the glass cylinder after cleaning.
6. Assemble the parts together.

**Note: Pay attention, and take good care not to loose the small parts, like valves, valves springs, and valves plastic washers.**

**Note: It is highly recommended to oil the glass cylinder after cleaning and before assemble the parts together.**

## Recommended:

Use the original box for each syringe to keep it useful for long time. The automatic syringe is made of the best materials, is oil-proof, non corrosive.

All parts can be sterilized up to 125°C.

The glass barrel is made of clear and tempered glass, exactly graduated, enabling correct setting and continuous control during operation.

- 1301 Syringe Body
- 1302 Luer lock, needle adapter
- 1304 Cylinder Washer
- 1305 Valve Spring
- 1306 Valve stainless ball
- 1307 Valve Plastic Washer
- 1308 Glass Cylinder
- 1309 Piston
- 1310 Piston O-Ring
- 1311 Piston Shaft
- 1312 Adjusting Screw
- 1313 Body Cover
- 1314 Adjusting Screw Nut
- 1315 Handle Spring
- 1316 Finger grip - handle
- 1317 Upper Handle
- 1318 Spring Housing
- 1330 Fiber Washer
- 1340 Body Screw Nut
- 1342 Plastic Clip
- 1343 Vial Holder - Body
- 1348 Vial holder - Fiber washer
- 1399 Spare Parts-Kit

