

## DIAPHRAGM VALVE WITH HAND GRIP DA 250 MAN

The diaphragm valve **DA 250** is designed to dispense in a controlled, precise and repeatable way, low to medium viscosity fluids such as anaerobic adhesives (thread locker and coaxial blockers), cyanoacrylate glues and other aggressive fluids.

The ergonomic hand-grip make the valve simple to keep in hand and operate. The particular design of the valve make the fluid during the dispensing only comes into contact with the body in PTFE and with the membrane that opens and closes the passage, thus preventing contamination and clogging.



### DAV TECH SRL

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### FIELDS OF APPLICATION

- > **Anaerobic glues**
- > **Cyanoacrylate glues**
- > **Aggressive fluids**

### FEATURES:

- > Micrometric adjustment of the flow rate
- > Fluid in contact only with PTFE and inert materials
- > Operation normally closed with safety spring
- > Anodized aluminum body
- > Ability to operate simple or double-acting
- > Electric control switch
- > Easy maintenance and cleaning valve
- > Membrane co-molded with a useful life of more than 10 million cycles

### Technical Data

|                           |  |
|---------------------------|--|
| <b>Model</b>              | DA 250   |
| <b>Drive</b>              | Simple or Double Acting  |
| <b>Max fluid pressure</b> | 10 bar   |
| <b>Operating pressure</b> | 5-7 bar  |
| <b>Thread inlet</b>       | 1/8 BSP  |
| <b>Thread outlet</b>      | Luer Lock or others on request   |
| <b>Speed</b>              | Up to 200 cycles / min   |
| <b>Adjustment</b>         | Micrometric screw adjustment   |
| <b>Used materials</b>     | Anodized aluminum, stainless steel, PTFE, membrane co-molded with non-reactive materials |
| <b>Fluids used</b>        | Cyanoacrylate glue, anaerobic fluids, low viscosity fluids in general (even aggressive)  |

## TANKS FOR FLUID FEEDING

The DAV Tech PT tanks are ideal to feed the valve DA 250. They are available in 3 sizes 2, 5, 10 and 16 liters and in different variations. The tank PT2.0 in particular is designed to accommodate inside the 250 cc oval containers used by the major manufacturers of anaerobic fluids such as Loctite and Loxeal.



## NOZZLES FOR VALVE DA 250

The valve DA 250 is designed to accommodate outlet nozzles with luer lock thread. DAV Tech will be happy to advise and give you to test various types of nozzles in different materials and dimensions. On request it is also possible to create special nozzles with various shapes.

## DRIVE VALVE DA 250

When the switch on the handle is activated, an external system (PLC or controller) manage the dispensing time of the valve. The valve can work in single or double effect, the best way depends on the viscosity of the fluid and the specific application.



### Connection diagram

