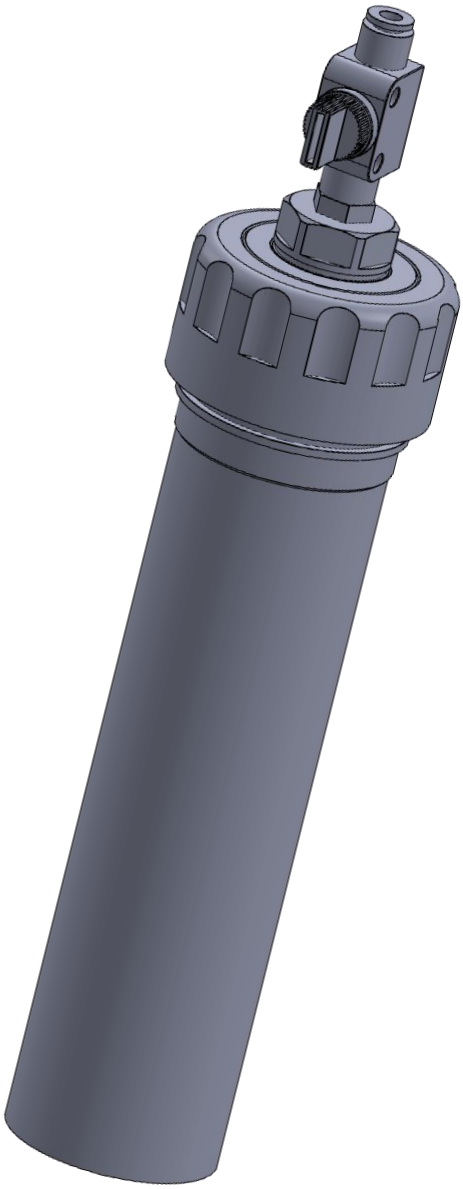
DAVtech

PARTS, SYSTEMS AND AUTOMATIONS FOR FLUID DISPENSING

QUICK GUIDE

CARTRIDGE HOLDER 310 EVO



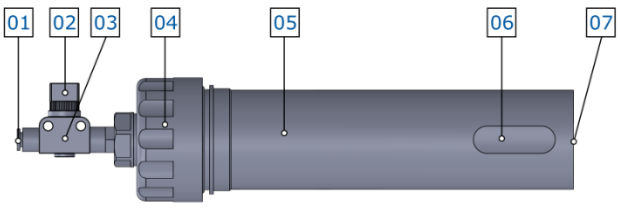
COD.: **DTVI_QGMC_CART310EVO_2516**
REV.: **00**
DATA: **15/04/2025**

TRANSLATED FROM ORIGINAL
Read carefully before use!

EN

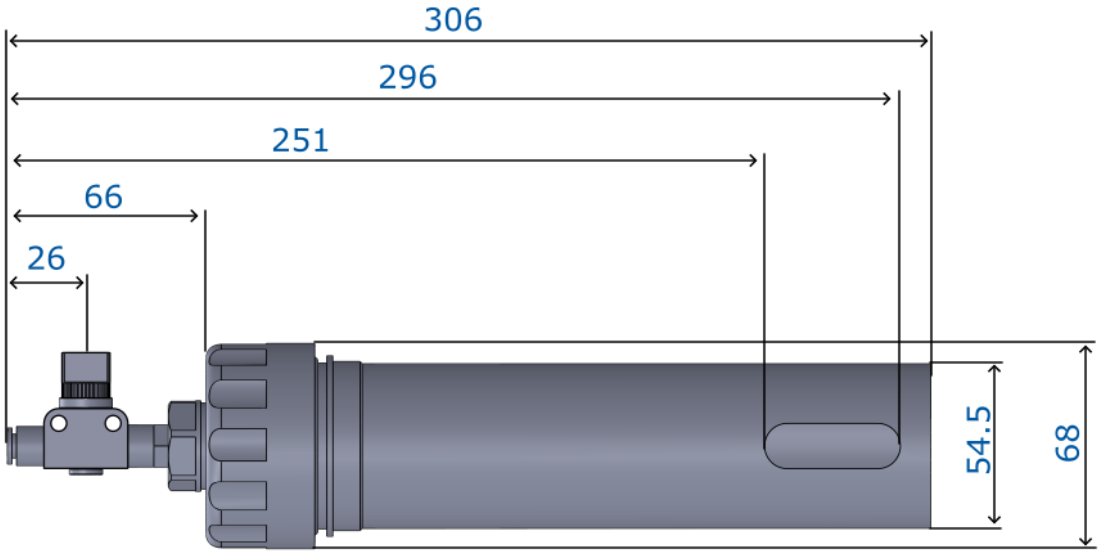
TECHNICAL DRAWINGS

COMPONENT DETAILS



No.	Description
01	Fluidic inlet
02	Two-way valve with vent
03	Valve assembly
04	Blanking cap
05	Cartridge tube
06	Level sensor ready
07	Fluid Outlet Zone

COMPONENT DIMENSIONS



DESCRIPTION

In this procedure we want to explain the main aspects of the 310cc cartridge holder.

This component allows you to have cartridges inside up to a maximum volume of 310cc. The operation of the cartridge holder is not affected by the size of the cartridge (it must be the diameter of the cartridge holder), so cartridges with various capacities can be placed. The cartridges to be used must have a male outlet and, depending on the size, the appropriate adapter is needed to be able to make the connection between the cartridge and the dosing system.

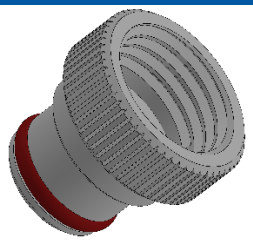
SPECIFICATIONS		
Description	**UdM**	**Values**
General features		
Outer diameter	mm	68
Inner diameter	mm	54.5
Component height	mm	306
Component mass	kg	0.4
Mechanical characteristics		
Pneumatic inlet dimensions	mm	6X4
Pneumatic characteristics		
Working pressure	bar	0 ÷ 6 (1)
Recommended operating pressure	bar	0.5 ÷ 3.5

(1) For pressures above 2 bar evaluate according to cartridge type and fluid type

The level end sensor can be adapted to suit your needs, simply loosen the screw, bring it into position and reattach the holder screw.

ADAPTER TYPE

COMPONENT DETAILS



Cod.	Description
CART-M15	Female adapter for cartridge with M15 thread
CART-M21	Female adapter for cartridge with M21 thread

The adapter depends on the individual application. If in doubt, contact the manufacturer.

If you need to use other types of adapters, contact the manufacturer.

CARTRIDGE CHANGE

ATTENTION!
This procedure is generic and may vary depending on the system available. If there is a system manual with different, or more complete, indications than those below, follow those in the appropriate manual.

When the level sensor sends the end-of-fluid signal to the control system, or when no more fluid comes out (if there is no sensor), the cartridge must be changed. To do this, you must:

- Turn the valve to close the air entering the cartridge holder and remove the pressure inside it;
- Open the blanking cap (No.04) and remove the cartridge. If it is difficult to remove, use a screwdriver to raise the cartridge slightly and then remove it;
- Remove the adapter located under the cartridge and clean it of any fluid residues;
- Open a new cartridge by making a cut in the fluid outlet part and removing the first tip of the cartridge itself;
- Screw the adapter onto the cartridge;
- Insert the cartridge inside the cartridge holder and push it all the way in;
- Close the blanking cap and reopen the pneumatic inlet valve;
- If possible, it is recommended to perform a bleed to remove any air bubbles from the circuit

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