



cavagna group

Advanced solutions for gas control



Revolution in FLT application: All-in-one Multivalve

Selected Key Figures



*Total revenue coming from the financial statement of the Partner Companies added to the consolidated revenue

Manufacturing Units

9

Plants
In Italy



9

Plants in five
continents





The old days with the 5 components kit on the FLT Cylinder are gone



Welcome the Forklift Multivalve Revolution!

New Cavagna FLT Multivalve



- Level Gauge
- Excess flow or filter with 3 filtering stages

FLT Kit vs FLT Multivalve



**OLD
SOLUTION**



**FLT
MULTIVALVE**

**LESS
NECKRINGS**

The cylinder manufacturing cost is cheaper due to the installation of 1 neckring instead of 5

FLT Kit vs FLT Multivalve



**OLD
SOLUTION**



**EASY
ASSEMBLY**



**FLT
MULTIVALVE**

The cylinder assembly cost is cheaper due to the installation of 1 component instead of 5

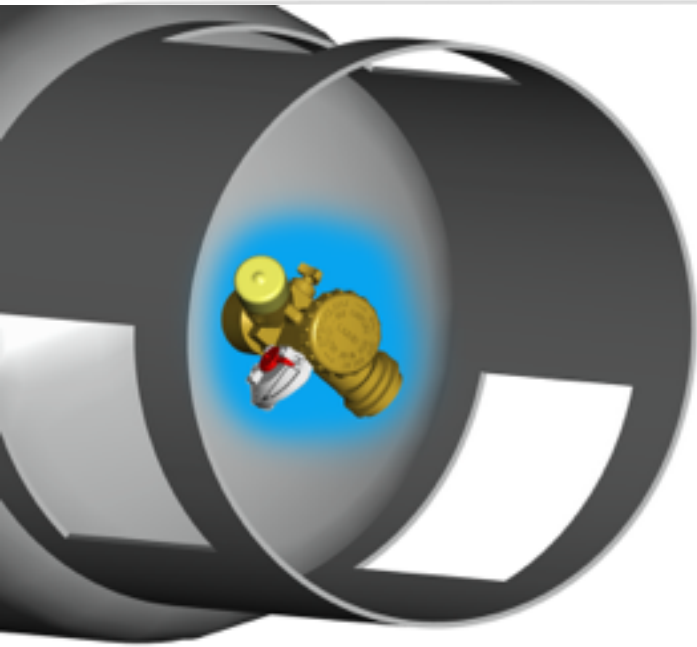
FLT Kit vs FLT Multivalve



**STOCK
MANAGEMENT
SAVINGS**

Managing 1 component instead of 5 brings
logistic and maintenance savings

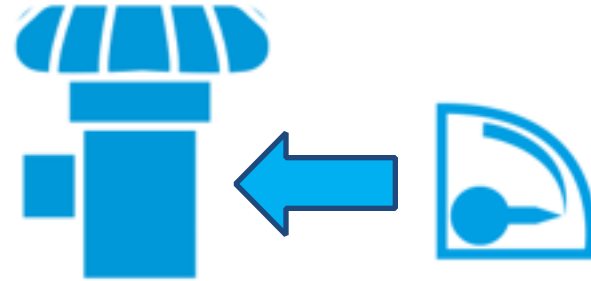
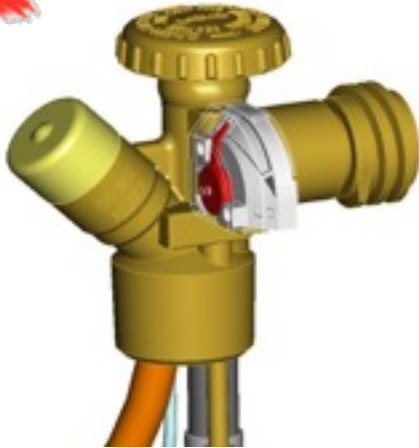
FLT Kit vs FLT Multivalve



**LESS
MAINTENANCE**

Just one potential leak point:
reduces the required maintenance

FLT Kit vs FLT Multivalve



**INTEGRATED
LEVEL GAUGE**

No more need for a separated component



Cavagna pioneered level gauge technology



Cavagna's Level Gauge expertise



Co-Development with



Gauge Valve

Detects the amount of gas left in the cylinder with Visual indicator



Co-Development with



Pressure Gauge + Control

the first gas cylinder with level indicator which eliminates the risk of failure, allowing the user to know the gas level anytime



Co-Development with



Mechanical Gauge Valve

Detects the amount of gas left in the cylinder



Co-Development with



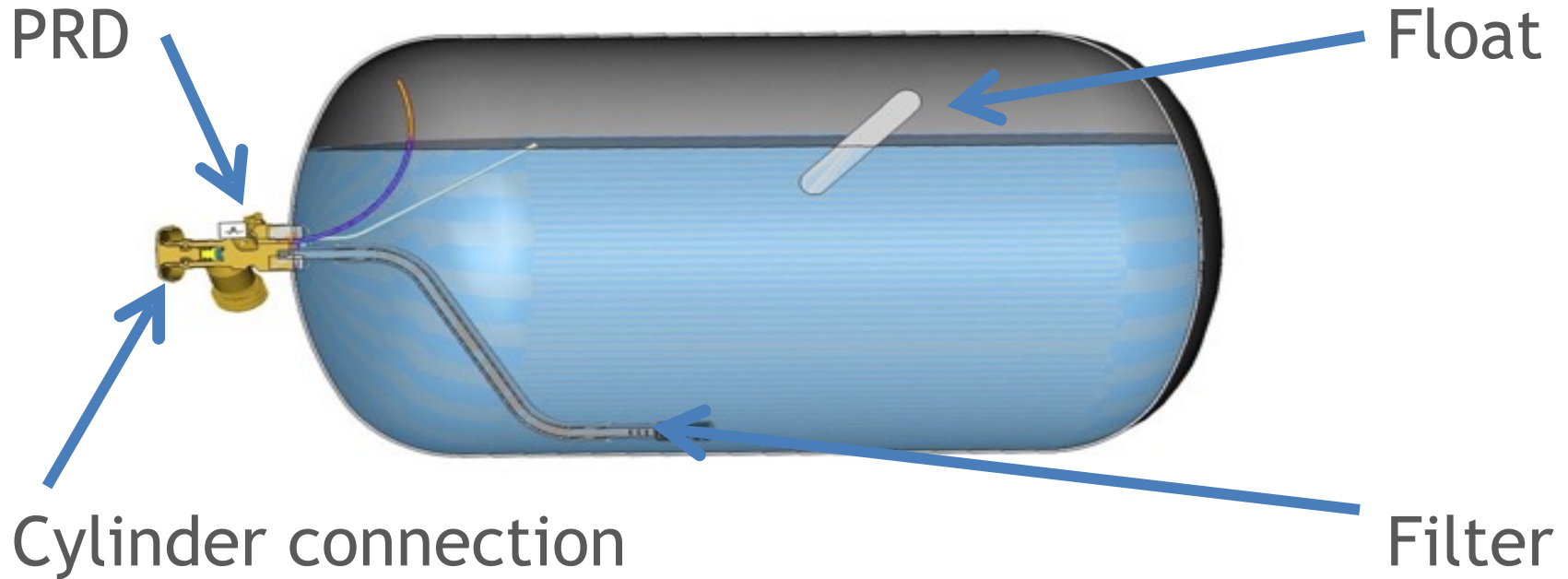
Mechanical Gauge Valve with Acoustic sensor

Detects the amount of gas left in the cylinder

FLT Multivalve: how it works

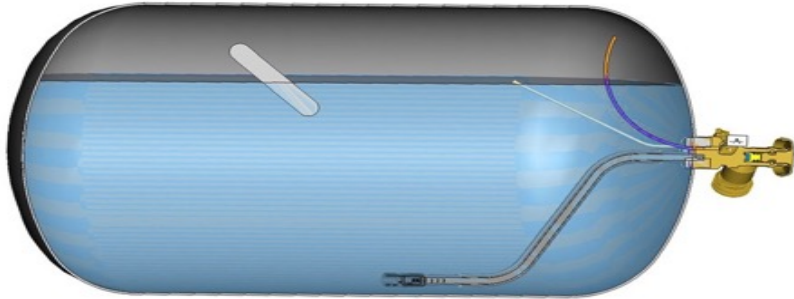


FLT Multivalve: how it works

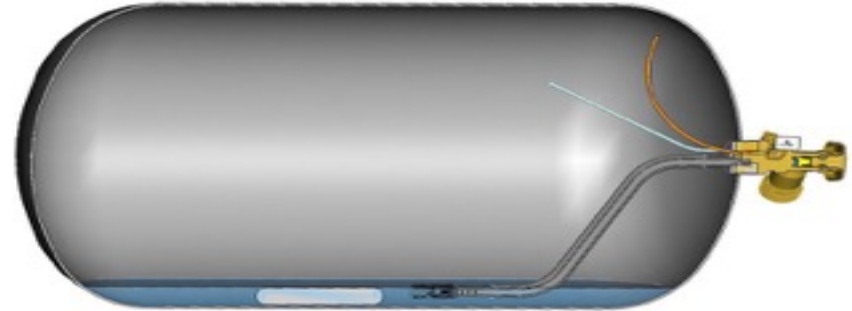


Cylinder in horizontal use

FLT Multivalve: how it works

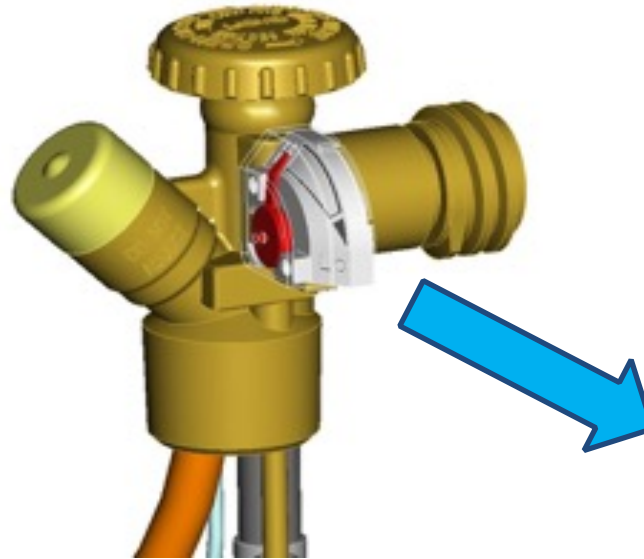


Full Cylinder



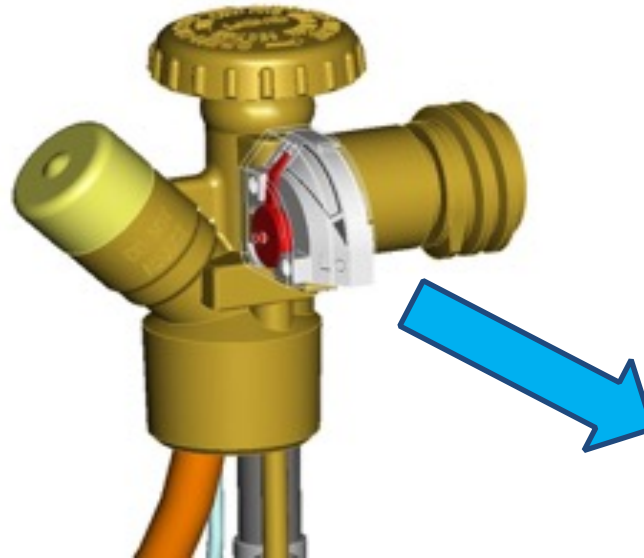
Empty Cylinder

The Level Gauge measures the amount of gas left in the cylinder



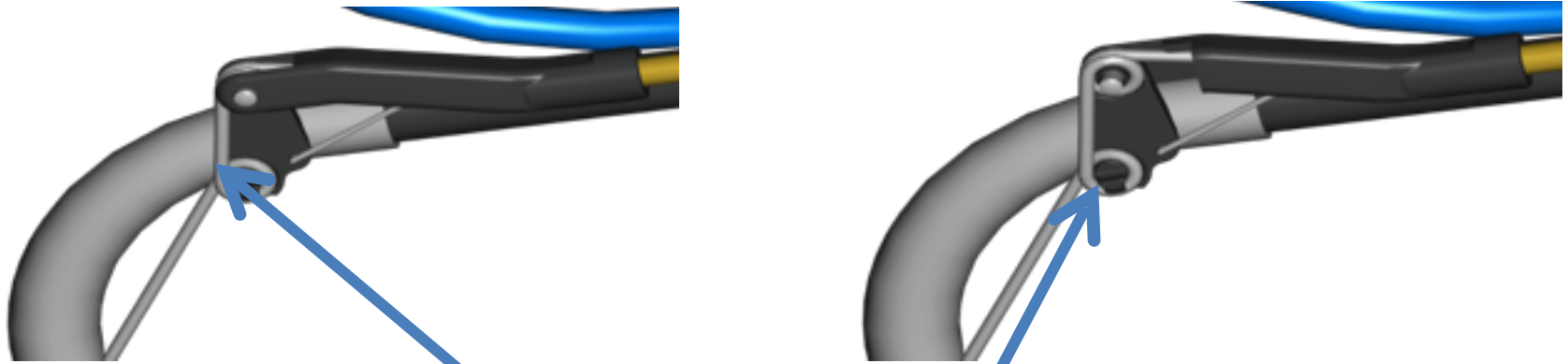
Removable Level Gauge

The Level Gauge is designed to be easily mounted or removed during the filling operations



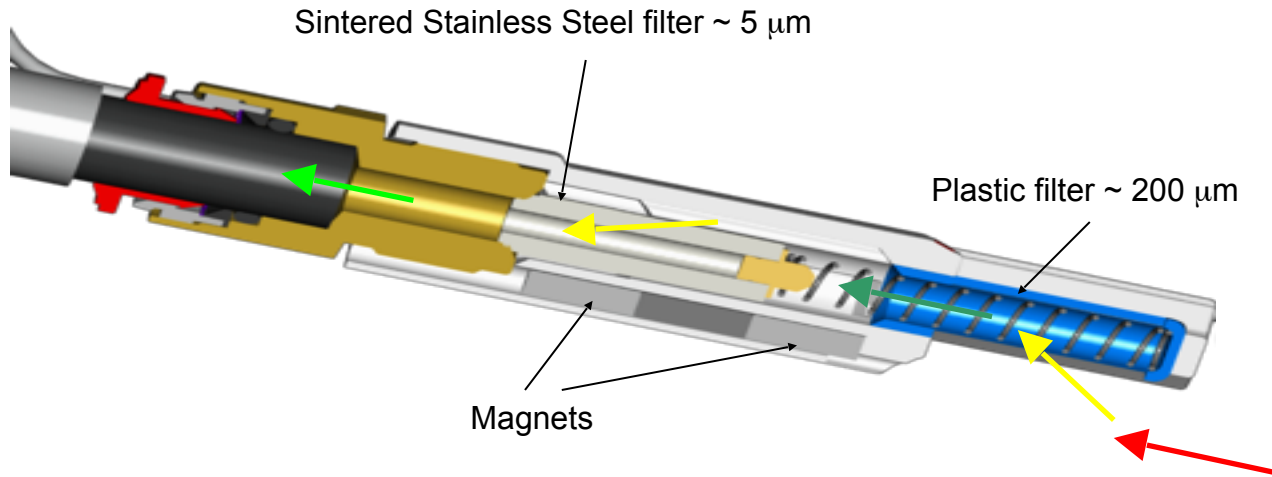
Removable Level Gauge

The Level Gauge is provided separately according to customer requirements and specifications



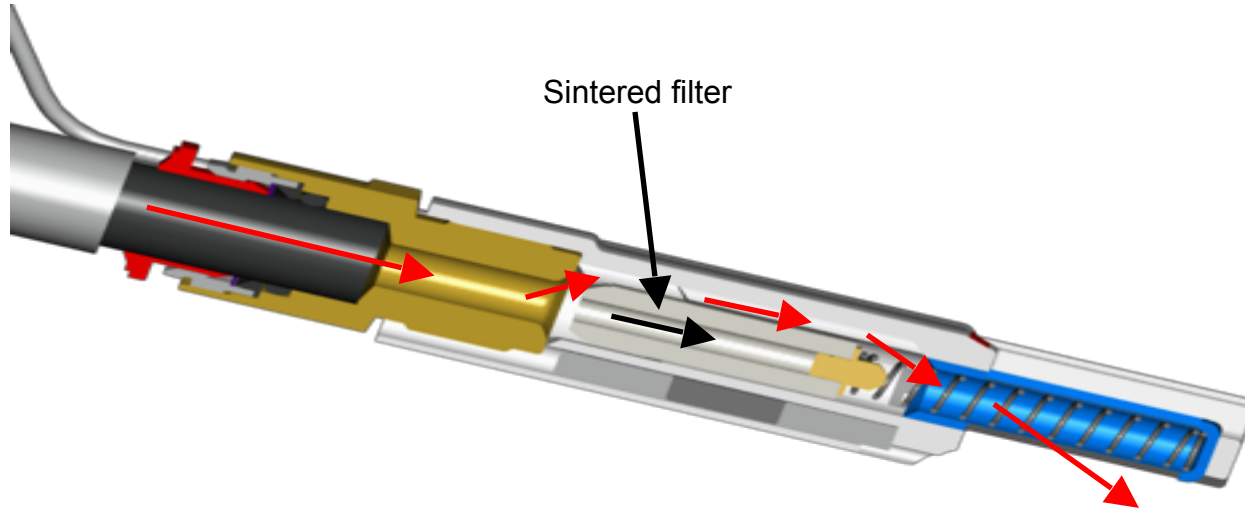
Steel Wire

The Steel Wire reinforces the float mechanism



Withdrawal

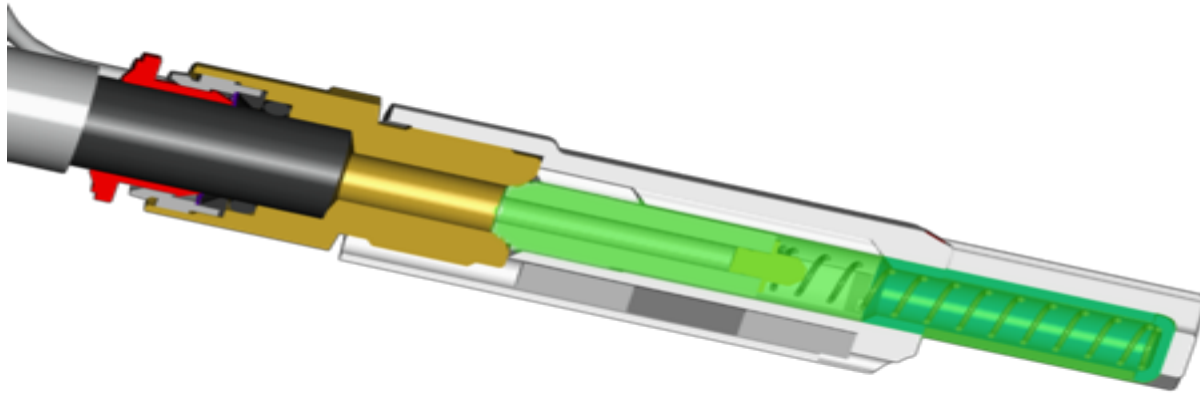
Three filtering stages: a plastic filter, a sintered stainless steel filter and magnets for metal dust.



Filling

Pressure moves the sintered filter and improves the filling rate. The filter is cleaned when filling.

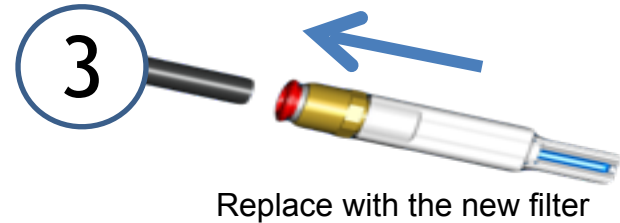
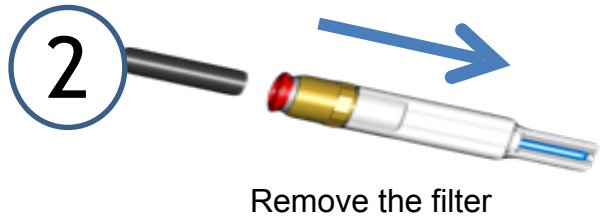
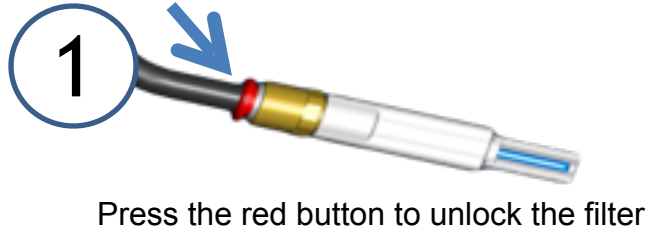
FLT Multivalve



withdrawal flow rate
less than 3 mm diameter

No need for an excess flow device

According to EN 13175, the FLT Multivalve doesn't require an EFD because the withdrawal flow rate is less than 3 mm diameter.



Replaceable Filter

The filter can be removed at the end of life cycle and replaced with a new one, without the need to replace the whole valve.

THANK YOU

Find us at
Booth H1-H2-H3

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