

## Dosing buffer

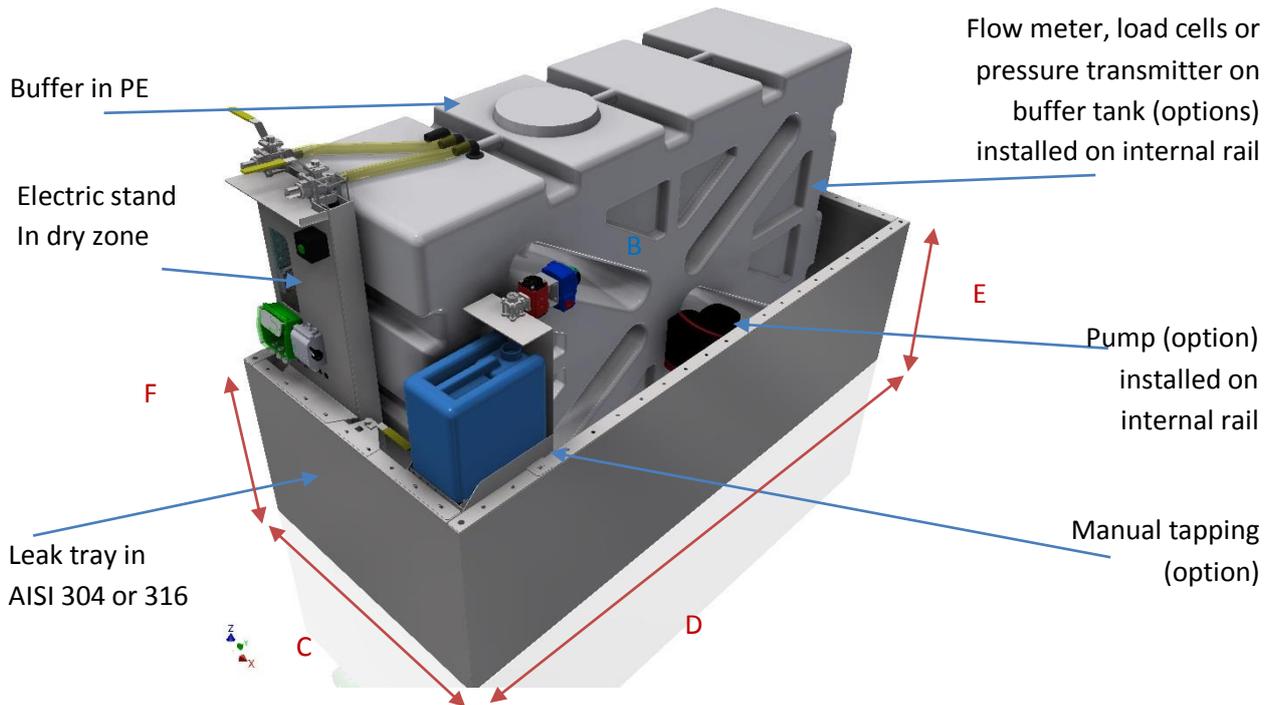
There is always a great risk of dry running when dosing products delivered in drums or pallet tanks– this will result in production capacity losses and in some cases product losses.

Flexmatic have developed a standardized yet fully scalable system with leak trays and buffer tanks enabling a reasonable buffer volume that is easy to fill and designed to occupy limited space. Within the leak trays, it is possible to install relevant equipment for dosing, such as pumps, flowmeter, load cells, valves and semiautomatic tapping. The tray is designed so that it is possible to add or change any of the mentioned equipment without having to make hot work or risk perforating the leak tray– also if the change is made in a later stage than the delivery. The tank used as buffer is produced in a food compliant PE and it is possible to wash the tank. As it is a standardized PE tank, it is easily exchangeable in case of any adverse event.

The dosing buffer can be delivered with or without a proprietary PLC control.



## Modulation of dosing buffer



A (ltr)	B (ltr)	C (mm)	D (mm)	E (mm)	F (mm)	G(option)	H (option)
1000	1250	1000	2200	650	1300	120	100
640	1000	1000	1800	650	1300	120	100
640	1000	800	2200	650	1300	120	100
200	650	1000	1500	650	1100	120	100
200	400	800	1100	650	1200	120	100

Above listed dimensions are only indicative, selected from our experience with existing customers, please contact Flexmatic sales department if other dimensions are required

A is volume of source e.g. 1000ltr IBC or 200ltr drum

B is volume of buffer

G is U-brackets under tray for forklift

H is forklift guard

### Accessories

Flexmatic can assist on the factory integration of the dosing buffers by adding additional parts from the following list of accessories. None of the accessories require hot work on the leak tray.

Integrated semi-automatic tapping point with PE drip tray

Pumps

Flowmeter

Load cells

PLC

Profibus package with load cell, pump and semiautomatic tapping unit

Bumper bars (forklift guards)

Drum tilt/rest bracket (EUR-Pallet sized)



 flexmatic supply e.g.

- Pigging systems
- Hygienic slide valves with integrated CIP
- Modular dosing units for minor liquids
- PLC process controls
- Switch boards
- Valve matrixes
- Tank parks
- Pipe layouts
- CIP units and systems
- ECA units and systems

 flexmatic has specialized in design and supply of periphery equipment for an overall plant integration. Flexmatic perform installation of complete factories in close cooperation with EPC companies or production companies in the food and chemical processing industry.

 flexmatic has a team of certified stainless steel welders and certified industrial electricians with strong experience for extensive installation projects. Several members of the team are also experienced site supervisors for inclusion of local workforce.

 flexmatic has a team of mechanical and electrical engineers with the ability of assisting clients with plant PID and electric and mechanical layout as well as safety evaluation.

 flexmatic has references on all continents.

