



SEMI-AUTOMATIC FILLERS

Adelphi offer a range of semi-automatic liquid filling machinery, ideal for small batch production environments.

Masterfil[®] Response

Adelphi manufactures the highly regarded range of Masterfil and Response semi-automatic filling machines, and can deliver reliable after-sales support wherever you are in the world.

These machines are ideally suited to those companies wanting to start automating a filling process that has previously been manual, or to those who simply don't require the output levels offered by a fully automated solution. Fill volumes can range from 5 ml to 25 litres depending on the application.

All Adelphi semi-automatic bench-height filling machines can be delivered as simple stand-alone units, or with conveyor, gating and capping systems to link with upstream or downstream packaging processes.



Masterfil[®] volumetric filler

Key features

- Able to fill a wide range of container sizes
- Accurate to $\pm 0.2\%$
- Quick and easy to clean
- 316L stainless steel / PTFE / Viton contact parts
- Variable fill speeds can be used during the filling cycle
- Nozzles can be static, or set to dive and rise whilst filling or fill into neck, depending on product type
- Single or double action product cylinder
- Flushing circuit for in-place cleaning (optional)
- 1 or 2 filling heads
- Non-drip cut-off nozzle



	Specification	
	1 LITRE FILLER	5 LITRE FILLER
Accuracy	$\pm 0.2\%$	$\pm 0.2\%$
Output (per minute)	10 per min.	6 per min.
Height (approx)	2.2m	1.8m
Depth (approx)	1.8m	1.8m
Width (approx)	0.7m	0.7m
Weight (approx)	150kg	179kg
Working Pressure	6 Bar (0.6Mpa)	6 Bar (0.6Mpa)
Air Consumption	55 litres per cycle	55 litres per cycle
Volume Range	200ml – 1 litre	500ml – 5 litre

Masterfil[®] weigh scale filler

Key features

- 316L stainless steel / PTFE / Viton contact parts
- Suitable for washdown, hazardous or other hostile environments
- Quick and easy to clean.
- ‘No container, no fill’
- Bulk and trickle fill speeds
- Non-drip cut-off nozzle
- Quick changeover
- Automatic tare check to verify correct container size
- Flushing circuit for in-place cleaning (optional)
- Nozzles can be static, or set to dive and rise whilst filling or fill into neck, depending on product type
- Available in ‘bench-height’ and ‘floor-mounted’ configurations



	Specification
	WEIGH SCALE FILLER – BENCH-HEIGHT
Accuracy	±0.2%
Output (per minute)	6 per min.
Height (approx)	2.2m
Depth (approx)	1.8m
Width (approx)	1.2m
Weight (approx)	181 kg
Working Pressure	6 Bar (0.6 Mpa)
Air Consumption	5 litres per cycle
Volume Range	1–25 litres
Electricity Supply	240V

	Specification
	WEIGH SCALE FILLER – FLOOR-MOUNTED
Accuracy	±0.2%
Output (per minute)	Dependent on application
Height (approx)	2.4m
Depth (approx)	1.4m
Width (approx)	0.6m
Weight (approx)	Dependent on application
Working Pressure	6 Bar (0.6 Mpa)
Air Consumption	10 litres per cycle
Volume Range	10 – 1000 litres
Electricity Supply	240V

Masterfil[®] flowmeter filler

Key features

- Able to fill a wide range of container sizes
- Accurate to $\pm 0.2\%$
- Quick and easy to clean
- 316L stainless steel / PTFE / Viton contact parts
- Variable fill speeds can be used during the filling cycle
- Nozzles can be static, or set to dive and rise whilst filling or fill into neck, depending on product type
- Optimum output is achieved by key pad controls and with no pistons to clean, changeover time is reduced
- Minimum down time between liquid and container changeovers.
- 1 or 2 filling heads
- Non-drip cut-off nozzle



	Specification	
	1 LITRE FILLER	5 LITRE FILLER
Accuracy	$\pm 0.2\%$	$\pm 0.2\%$
Output (per minute)	10 per min.	6 per min.
Height (approx)	2.2m	2.2m
Depth (approx)	1.8m	1.8m
Width (approx)	0.7m	0.7m
Weight (approx)	150kg	179kg
Working Pressure	6 Bar (0.6Mpa)	6 Bar (0.6Mpa)
Air Consumption	5 litres per cycle	5 litres per cycle
Volume Range	200ml – 1 litre +	500ml – 5 litre +
Electricity Supply	240V	240V

Response benchtop volumetric filler

The Response is a versatile, accurate, hygienic and easy to use benchtop volumetric filling machine. It is available in single or twin-head configurations, with a comprehensive range of nozzles, hoppers and other accessories available to meet your individual requirements.

For further information please see the **Response Volumetric Fillers** product sheet.

