



## SEMI-AUTOMATIC FILLERS

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

### Masterfil<sup>®</sup> *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.

Adelphi's 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<sup>®</sup> 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       |
|---------------------|---------------------|
|                     | 5 LITRE FILLER      |
| Accuracy            | $\pm 0.2\%$         |
| Output (per minute) | 6 per min.          |
| Height (approx)     | 1.8 m               |
| Depth (approx)      | 1.8 m               |
| Width (approx)      | 0.7 m               |
| Weight (approx)     | 179 kg              |
| Working Pressure    | 6 Bar (0.6 Mpa)     |
| Air Consumption     | 55 litres per cycle |
| Volume Range        | 250ml – 5 litre     |

## Masterfil<sup>®</sup> 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            | $\pm 0.2\%$                       |
| Output (per minute) | 6 per min.                        |
| Height (approx)     | 2.2 m                             |
| Depth (approx)      | 1.8 m                             |
| Width (approx)      | 1.2 m                             |
| 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            | $\pm 0.2\%$                        |
| Output (per minute) | Dependent on application           |
| Height (approx)     | 2.4 m                              |
| Depth (approx)      | 1.4 m                              |
| Width (approx)      | 0.6 m                              |
| 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
- Can utilise either electro-magnetic or Coriolis technology
- 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



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

