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# Flowtech Flowpac IN

## Combined Pump & Tank System

### IN1-12050-601-M-MAB

The IN1-12050-601-M-MAB booster set is complete with a 601 L GRP (501 L actual) tank, providing backflow protection to fluid category 4 or 5. This booster set features 1 stainless steel pump submerged in the tank. The pump is operated by our advanced variable speed controller.

AB (category 5) and HS (half split) models are available.

Extremely Quiet | 2 YEAR WARRANTY | UK CA CE | WRAS APPROVED PRODUCT

### Features

- Heads up to 5 bar and flow rates up to 7 $m^3/h$
- 601 litre cold water storage capacity
- Compact, space saving design
- Fully WRAS-approved product
- Very quiet operation
- Air cooled inverters
- Continuously rated operation (S1)
- Easy installation
- 25 mm cold water tank thermal insulation
- BMS volt-free contacts
- External enable on/off
- Hand/off/auto switches
- Integral low water cut-out
- 8 litre pressure vessel included

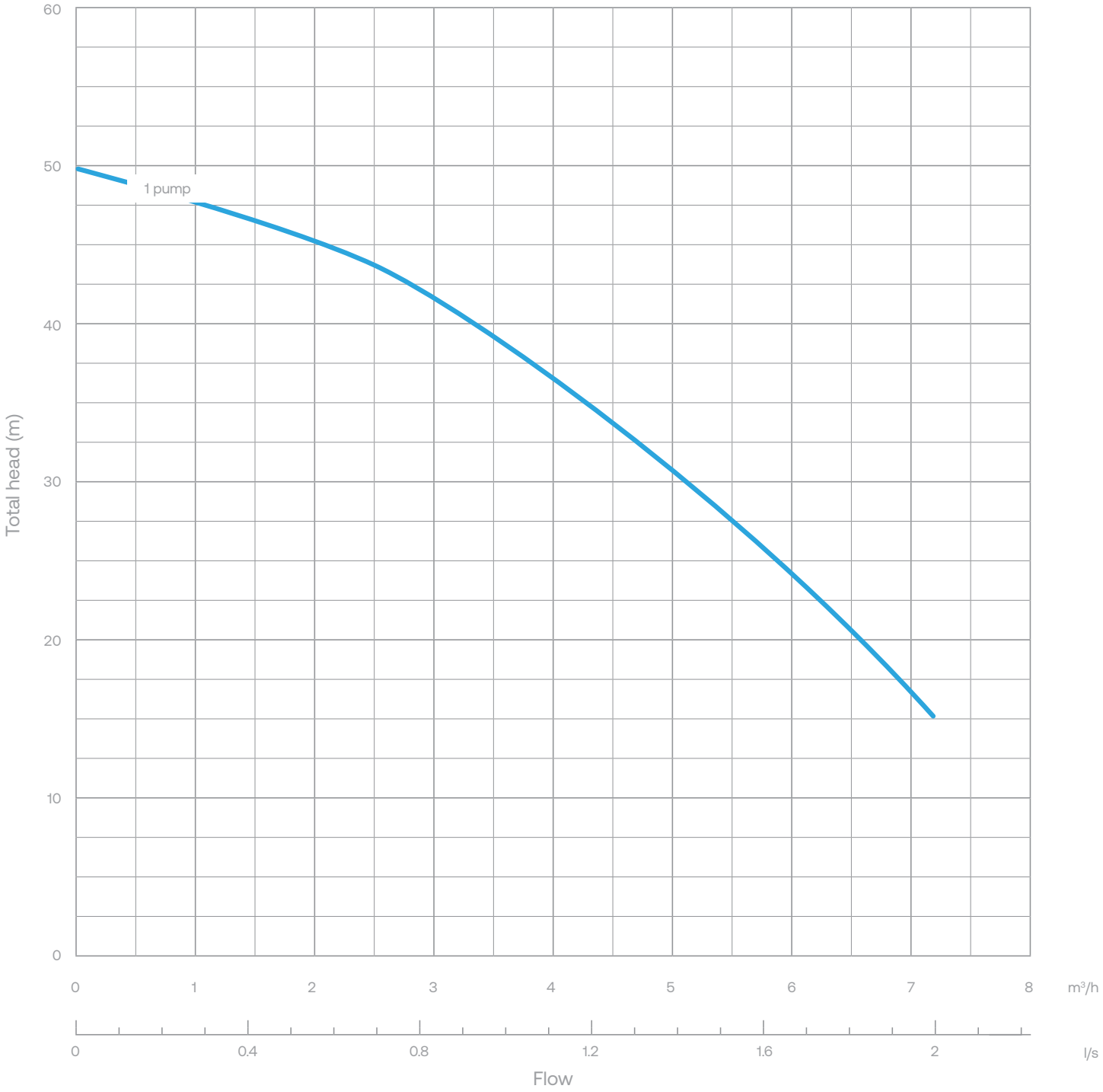
### Application

- This product is designed to boost cold water pressure and flow in a range of domestic, commercial, and industrial applications.
- Extremely quiet operation and is the perfect solution for any restriction with a footprint inside a plant room or property.

### Product Code Structure:
### E.g.: IN1-12050-601-M-MAB

| IN | 1 | 12050 | 601 | M | MAB |
|---|---|---|---|---|---|
| Product prefix | | | | | |
| | Number of pumps | | | | |
| | | Pump model | | | |
| | | | Tank size | | |
| | | | | Single phase | |
| | | | | | Controller type |

## Performance Characteristics IN1-12050-601-M-MAB




Performance curve is in accordance with ISO 9906:2012 Grade 3B Tolerances.
Specifications and illustrations are subject to revision without notice.

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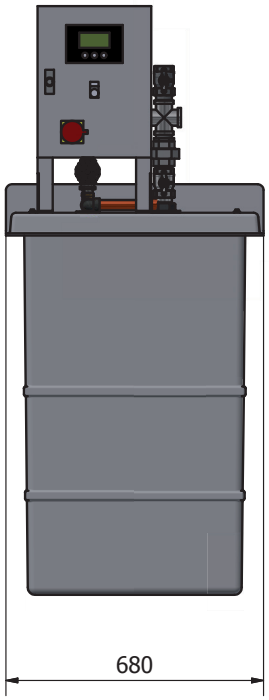
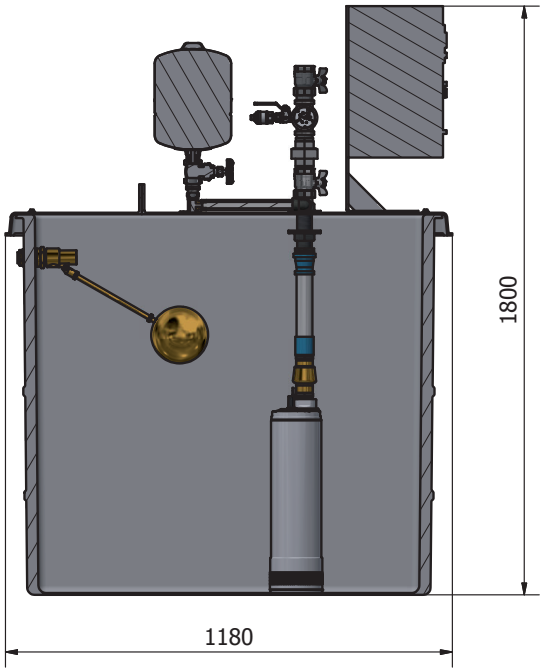
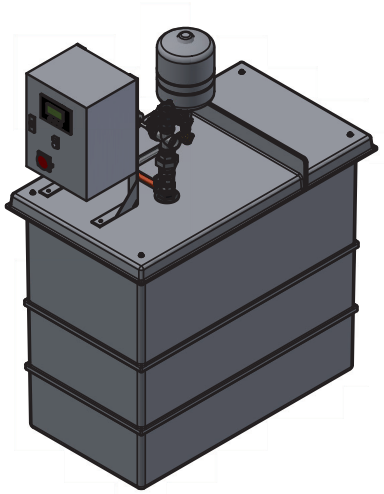
## Technical Specification IN1-12050-601-M-MAB

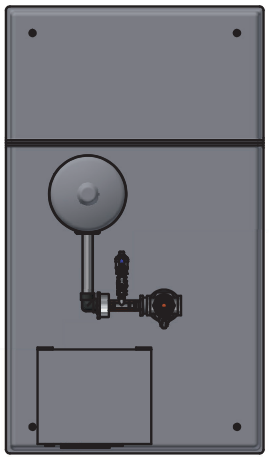
| | | IN1-12050-601-M-MAB |
|---|---|---|
| General | Warranty | 2 years |
| | Conformity certification | UKCA, CE |
| Features | Dry run protection | ✓ |
| | Glycerine filled pressure gauge | ✓ |
| | Pump check valve(s) | ✓ |
| | BMS volt-free contacts | ✓ |
| Performance | Nominal head | 3.8 bar |
| | Maximum head (closed valve) | 5 bar |
| | Nominal flow rate | 4.8 $m^3/h$ |
| | Maximum flow rate | 7 $m^3/h$ |
| | Maximum static inlet pressure | 10 metres |
| | Maxiumum system temperature | 23 °C |
| Connections | Inlet | 1" BSP |
| | Outlet | 1 ¼" BSP |
| | Overlow outlet | 2" BSP |
| | Drain outlet | 1" BSP |
| Manifold | Pump isolation valves | Full bore, lever |
| Pump | Number of pumps | 1 |
| | Pump type | Borehole pump (submersible) |
| | Pump body | Stainless steel |
| | Impeller | Stainless steel |
| | Duty rating | Continuous (S1) |
| Water tank | Nominal water tank size (litres) | 601 litres |
| | Usable water capacity (litres) | 501 litres |
| | Float valve type | Equilibrium |
| | Water tank fill rate | Up to 60 l/min |
| | Water tank air gap | Type AF/AG |
| | Fluid category | CAT 4/CAT 5 |
| | Water tank construction | Reinforced, pre-insulated GRP |
| | Water tank base | Encapsulated marine ply |
| Electrical | Power supply / phase / frequency | 230 V / 1 / 50 Hz |
| | Power consumption | 0.9 kW (per pump) |
| | Current - full load | 6.4 Amps (per pump) |
| Physical | Enclosure protection | IP44 |
| | Width | 680 mm |
| | Depth | 1180 mm |
| | Height | 1800 mm |
| | Weight | 96 kg |
| | Weight (filled) | 596 kg |

## Dimensions IN1-12050-601-M-MAB





Flowtech Ltd reserves the right to amend specifications without notice.

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