

## Portable submersible pump for waste water with solids in suspension, vortex system

### Applications

Evacuation, transfer and emptying of waste water with solids in suspension.

### Materials

Pump in technopolymer.  
Pump shaft in AISI 420.  
Impeller in technopolymer.  
Lip seal.  
O-rings in NBR/EPDM.  
Model H with internal parts in AISI 316.

### Motor

Asynchronous 2 poles.  
IP68 protection.  
Class F insulation.  
Continuous operation.  
Built-in thermal protection.

### Limitations

Maximum water temperature 40°C.  
Maximum solids passage Ø 25mm.  
Maximum submersion 7m.

### Equipment

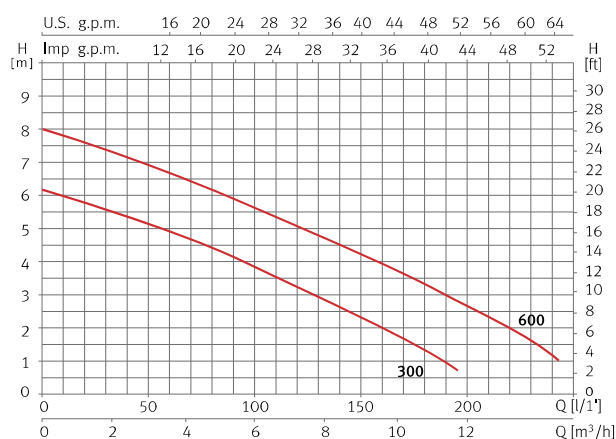
Float switch and 10m of cable with plug type F.  
Internal capacitor.



### Hydraulic performance table

| Model       | I<br>[A]   | P1<br>[kW] | P2   |      | c<br>[µF] | l/min | 25  | 50  | 75  | 100 | 125 | 150 | 190  | 240  | Code   |                     |
|-------------|------------|------------|------|------|-----------|-------|-----|-----|-----|-----|-----|-----|------|------|--------|---------------------|
|             | 1~<br>230V | 1~         | [kW] | [HP] |           | m³/h  | 1,5 | 3,0 | 4,5 | 6,0 | 7,5 | 9,0 | 11,4 | 14,4 | 1~230V | 1~230V<br>(Model H) |
| Vigilex 300 | 2,5        | 0,6        | 0,5  | 0,7  | 10        | mwc   | 5,7 | 5,2 | 4,6 | 3,8 | 3,2 | 2,3 | 1    | -    | 105796 | 134347              |
| Vigilex 600 | 3,3        | 0,8        | 0,6  | 0,8  | 10        |       | 7,5 | 7   | 6,3 | 5,6 | 5   | 4,3 | 3    | 1    | 105800 | 134348              |

### Performance curve at 2900 rpm



### Dimension and weight

| Model       | A   | B   | C      | D   | E   | F   | Kg  |
|-------------|-----|-----|--------|-----|-----|-----|-----|
| Vigilex 300 | 380 | 362 | 1 1/4" | 214 | 410 | 201 | 4,5 |
| Vigilex 600 | 380 | 362 | 1 1/4" | 214 | 410 | 201 | 6,7 |

