

# PH ES Automatic Flow Switch Pumps

The PH ES Automatic Flow Switch range of peripheral pumps offer a simple solution to pressure boosting where a gravity flow of approx. 1 l/min already exists.

## Application

Ideal for the pressurisation of water to outlets in a positive head application, where an instant boosted supply is required from a simple to install package. The range is suitable for commercial or domestic use, pumping hot or cold water.

## Features

- Fully automatic control - positive head
- No on-site setting/commissioning
- Built in 'no water' cut out
- No pulsing in operation
- Easy installation
- Reliable
- Quiet operation

## Materials

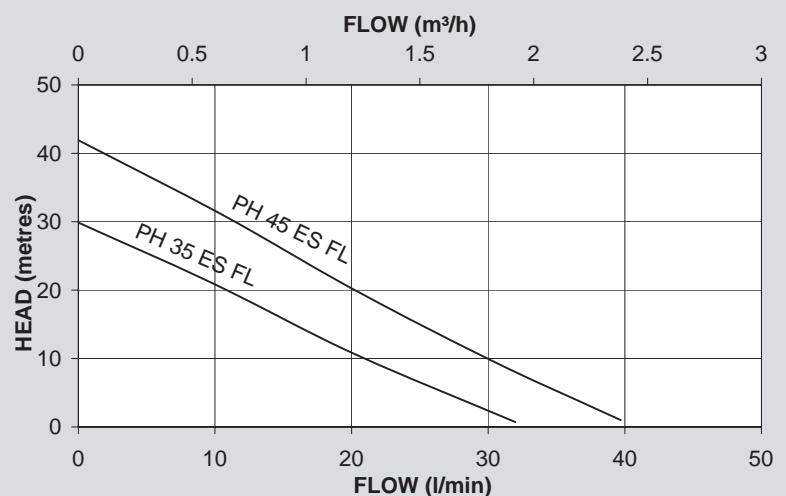
|            |                        |
|------------|------------------------|
| Body       | Brass                  |
| Impeller   | Brass                  |
| Pump shaft | Stainless steel        |
| Seal       | Nitrile/carbon/ceramic |

## Operating Conditions

|                        |         |
|------------------------|---------|
| Max. liquid temp.      | 80°C    |
| Min. liquid temp.      | 4°C     |
| Suction                | Flooded |
| Max. ambient air temp. | 40°C    |
| Max. inlet head        | 14 m    |
| Max. working pressure  | 6.0 bar |

## Pump Connection Sizes

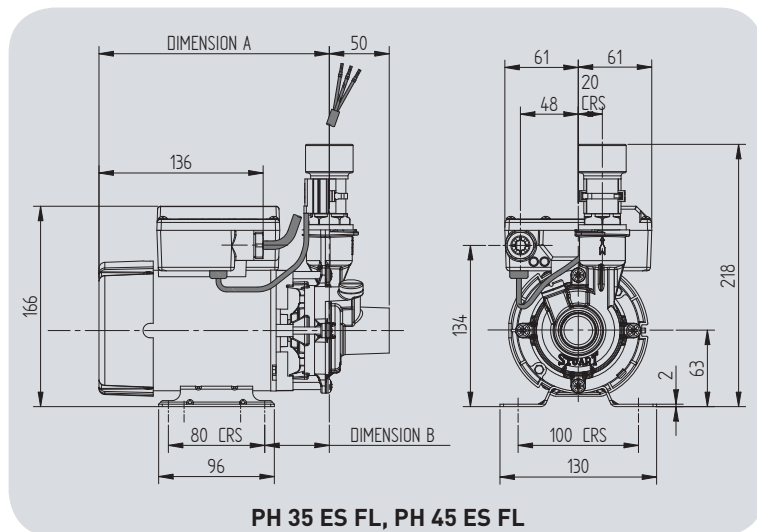
|        |            |
|--------|------------|
| Inlet  | G 1 Female |
| Outlet | G 1 Female |



## PH ES Automatic Flow Switch Pumps

| Model       | Motor    | Nominal watts | Max. watts consumed | Amps full load | Impeller | Seal        | Carton dims. mm |       |       | Gross weight (packed) kg | Part no. |
|-------------|----------|---------------|---------------------|----------------|----------|-------------|-----------------|-------|-------|--------------------------|----------|
|             |          |               |                     |                |          |             | L               | x W   | xH    |                          |          |
| PH 35 ES FL | 230/1/50 | 120           | 320                 | 1.4            | Brass    | Nit/Car/Cer | 325             | x 200 | x 236 | 5.7                      | 46566    |
| PH 45 ES FL | 230/1/50 | 300           | 405                 | 1.8            | Brass    | Nit/Car/Cer | 325             | x 200 | x 236 | 7.2                      | 46567    |

All models have an enclosure rating of IPX4 and feature totally enclosed fan ventilated cooling. All models have thermal overload protection and are designed for continuous running for duties of 2.5 l/min and above.



| Pump Description | Dim. A | Dim. B |
|------------------|--------|--------|
| PH 35 ES FL      | 191    | 54     |
| PH 45 ES FL      | 220    | 54     |

All dimensions shown are in mm.

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