



PRESSURE BOOSTERS

THE GRUNDFOS MQ

The compact waterworks

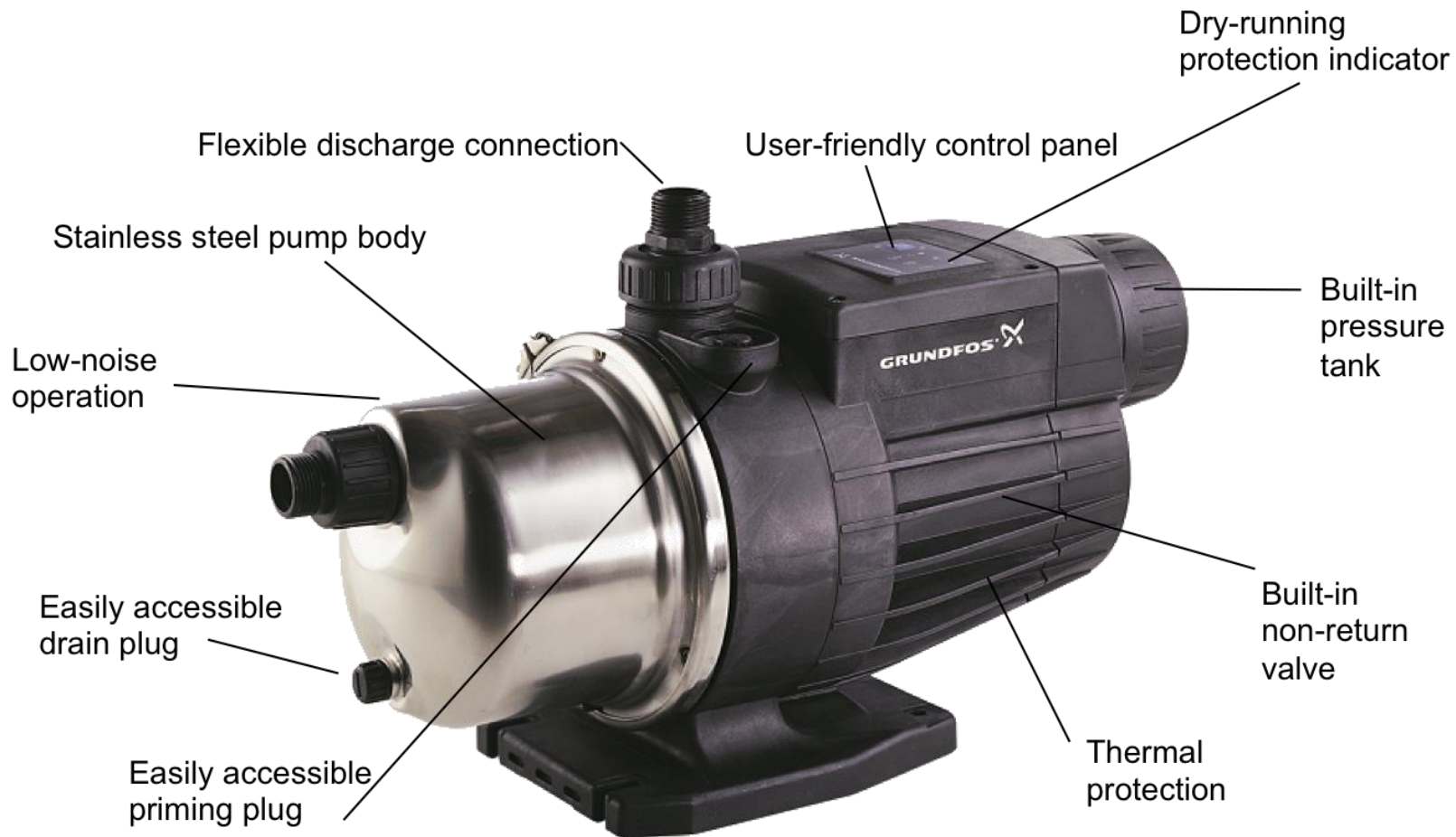
The Grundfos MQ is a self-priming, compact pump and pressure boosting unit, purpose-designed for domestic water supply in and around:

- Private homes
- Holiday houses
- Farms, greenhouses

or anywhere you need a compact, reliable and easy-to-install pump.

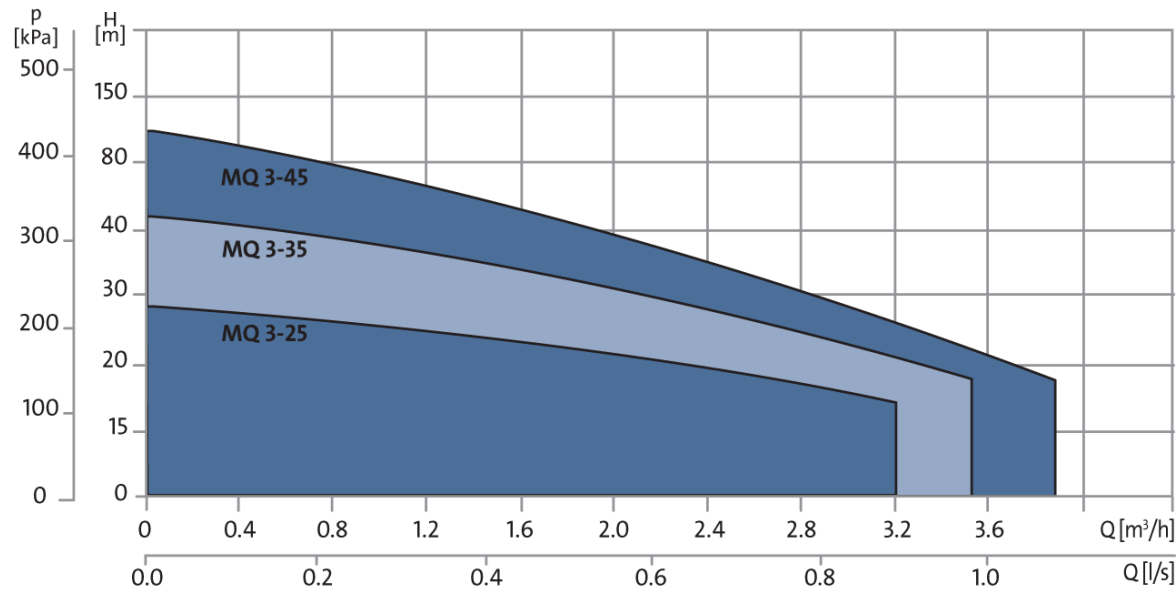


Features overview

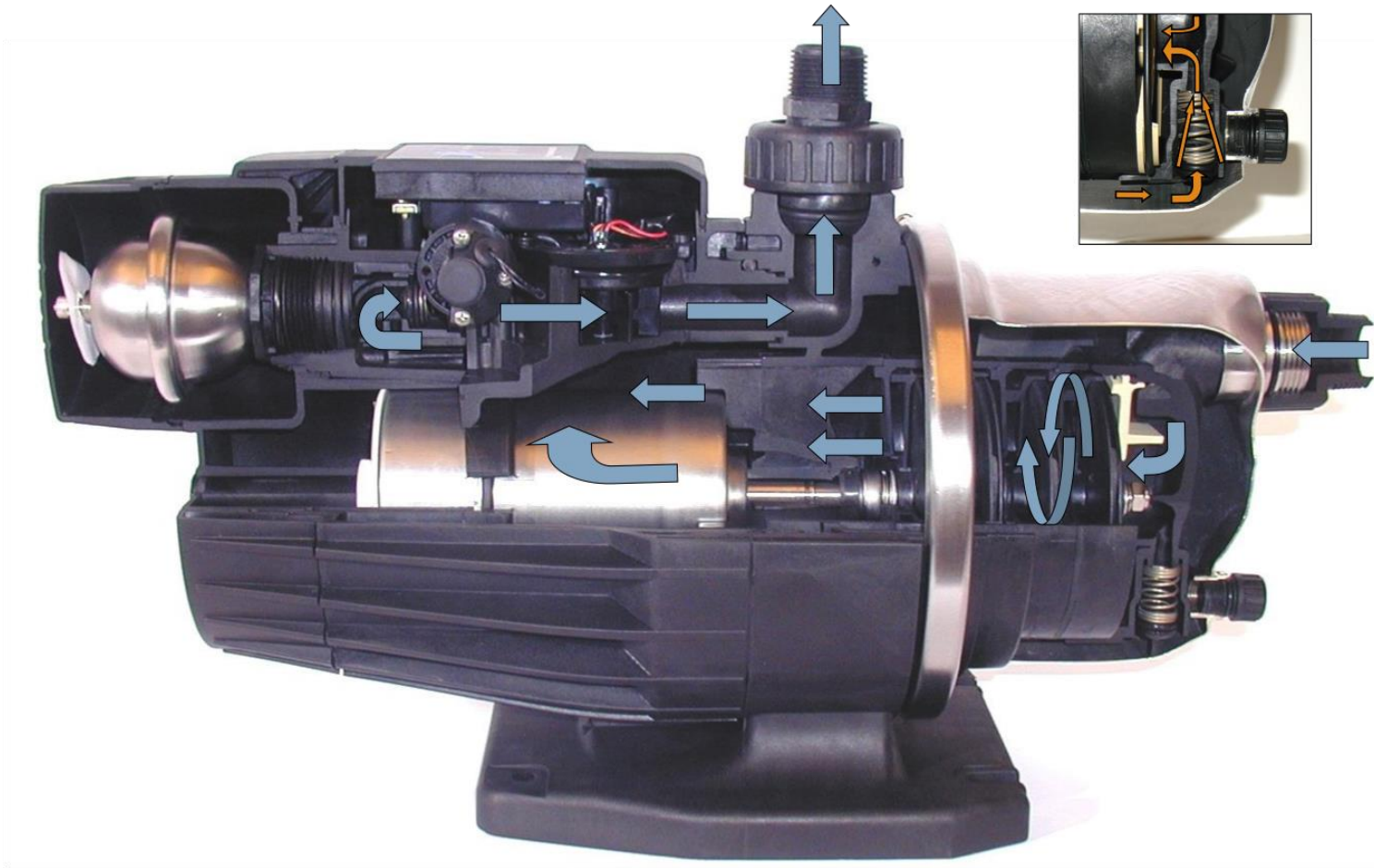


Range

- Performance range:
Flow up to 4.5 m³/h
Head up to 45 m
- System pressure:
Max. 7.5 bar
- Inlet pressure:
Max. 3 bar
- Suction lift:
Max. 8 m
- Weight:
13 kg

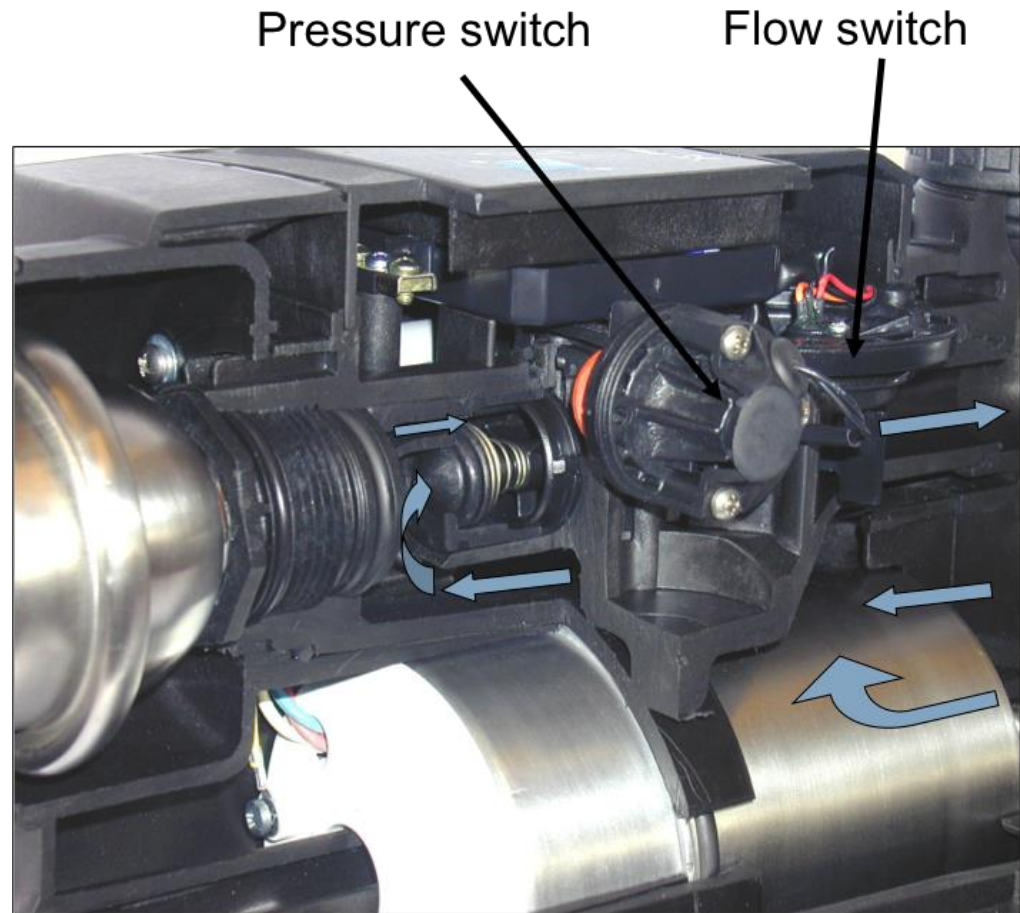


How it works



How it works: Starting and stopping

- Pressure and flow switches are used to control the pump
- The pump starts when flow or low pressure are detected
- The pump stops when no flow is detected



How it works: Suction lift

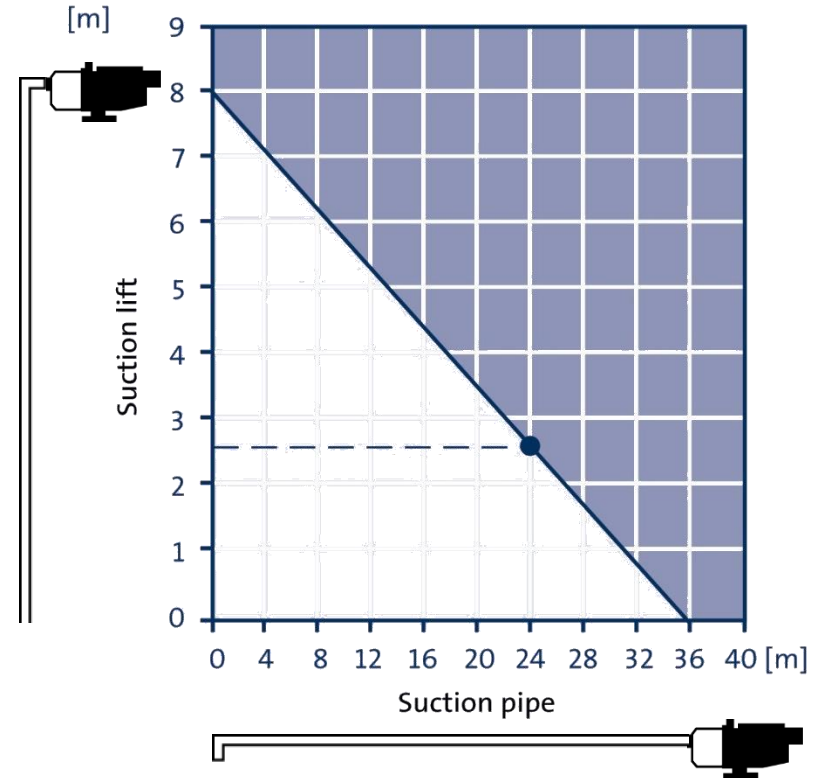
The MQ can handle suction lift of up to 8 m.

Yet even with this capability, the length of the suction pipe must be taken into consideration.

The curve illustrates these limitations. For example, at a suction lift of 2.5 m, the length of the pipe should not exceed 24 m.

Conditions:

- Flow: 2m³/h / 9GPM
- Pipe: 1 inch PEL (plastic)



Features & benefits: Compact design

Features

The MQ features a built-in:

- Pump unit
- Pressure tank
- Pressure switch
- Flow switch
- Non-return valve & connections

Benefits

- Easy to select
- Easy to install & operate
- Space-saving installation



Features & benefits: Easy installation

Features

- Installed with only two pipe connections
- Discharge connection can be angled 5°
- No individual setting required
- Water-cooled motor

Benefits

- Reduces installation time & cost
- Plug & pump
- Requires no extra space



Features & benefits: Low noise

Features

- Water-cooled motor with no fan reduces noise
- Automatic self-priming valve with no jet noise

Benefits

- Greater comfort, especially in indoor installations



Features & benefits: Dry-running protection

Features

- Integrated flow switch
- Integrated pressure switch
- Integrated electronics for controls

Benefits

- Protects the pump and ensures trouble-free operation



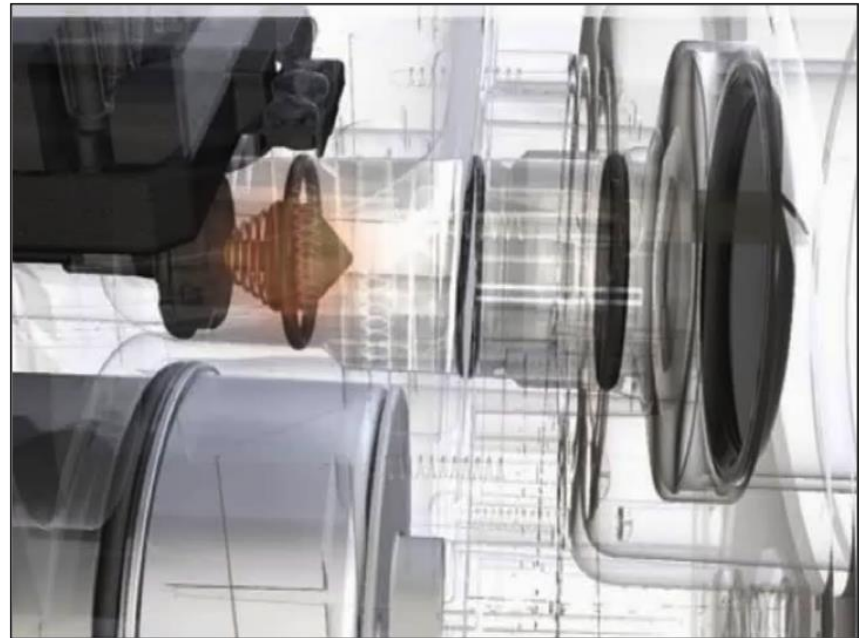
Features & benefits: Built-in tank

Features

- Pressure tank
- Non-return valve is integrated into the pump

Benefits

- Water is available immediately
- Prevents backflow through inlet pipe and riser main



Features & benefits: Self-priming

Features:

- Built-in automatic self-priming valve

Benefits:

- Easy installation – after priming, the MQ will lift the water to the pump
- Good air handling





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www.grundfos.com