

Residential Booster Pump Sets

The residential/domestic fire sprinkler market is growing in importance and size, therefore Sale Engineering Products offers a choice of two ranges of booster pump sets for this application to suit different applications and budgets – a highly cost-competitive range from Grundfos, and an additional range from Lowara.

Models and prices depend on the flow rates and pressures required (please have this information ready when enquiring), depending on the sprinkler system and local water pressure or whether the system is to be fed from a header tank.

The range outlined covers selected models, all of which are BS9251:2014 compliant; please contact us with your requirements – we pride ourselves on our responsiveness, flexibility and quality and are therefore happy to recommend and source to suit your specific requirements.

Grundfos FireSAFE

Grundfos has used its vast experience of producing dependable domestic pumps, extensive expertise in commercial fire suppression systems and the reliability engineering and manufacturing knowledge that has made it the supplier of choice for many critical industrial processes, to produce two related ranges for this market.

Both highly cost-competitive ranges include the following as standard:

- Specially programmed control panel with anti-tamper protection.
- Automatic top-up via continuous pressure monitoring, and weekly self-test.
- Dual discharge pressure switches, ensuring redundancy.
- Volt-free contacts for remote monitoring of status.
- Test line connection and system drain point.

The Domestic Range provides a compact, installer-friendly unit based on the Grundfos 'CM' pump to suit the growing demand for domestic fire suppression systems and recent legislative changes.

- Very compact - footprint as small as 421x233mm, height as low as 413mm.
- Flow range up to 240lpm, pressure range 1.0-4.6 bar.

The Residential Range is based on the Grundfos 'CR/CRI' vertical pump, designed to operate both sprinkler and water-misting systems requiring greater outputs at higher pressures.

- Also incorporates a water flow alarm switch.
- Footprint from 810x370mm, height from 575mm.
- Flow range up to 800lpm, pressure up to 14 bar.



Domestic "CM" Unit

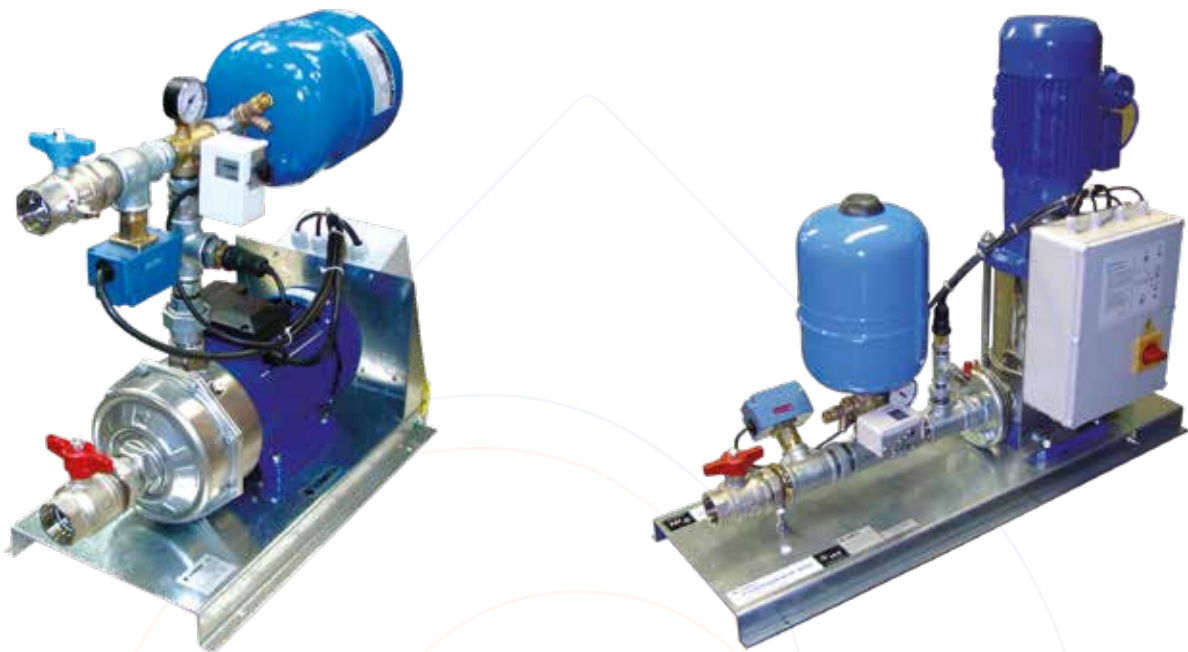


Residential "CR(i)" Unit

Lowara Hydroquench

We have offered Hydroquench 3000 range for some time, offering the following features:

- Automatic self-test cycle (variable frequency set 4-28 days), and manual test.
- Volt-free contacts for unit status and operational alarm.
- Vessel to accommodate expansion and maintain pressure against small leaks.
- Footprint from 700x340mm, height from 640mm.
- Flow range up to 400lpm, pressure up to 6 bar.



Example Model	Power	Max pressure	Max flow	Approx mid-point	Dimensions (LxWxH cm)
Grundfos Domestic					
CM5-3	230v/1ph	2.7 bar	100lpm	50lpm @ 2.4 bar	42x23x41
CM10-3	230v/1ph	4.8 bar	235lpm	100lpm @ 4.2 bar	52x31x44
Grundfos Residential					
CR(i)10-6	230v/1ph	5.5 bar	210lpm	100lpm @ 5.2 bar	61x37x85
CR(i)15-9	400v/3ph	12.5 bar	400lpm	200lpm @ 11.5 bar	61x37x120
Lowara					
3HM06P	230v/1ph	4.4 bar	75lpm	50lpm @ 3.0 bar	70x34x64
5HM05S	230v/1ph	3.8 bar	140lpm	80lpm @ 3.2 bar	70x34x64
22SV06	400v/3ph	9.3 bar	480lpm	400lpm @ 6.0 bar	100x40x109

Only the most popular configurations are shown above; please contact us as we will advise on the full range of flow and pressure options available – we pride ourselves on our responsiveness, flexibility and quality.