

# Oil-Fired

Fast Recovery Oil Fired Water Heaters



Working towards  
a cleaner future



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### The Andrews Advantage

For the continuous production of hot water in domestic, commercial and industrial applications, Andrews Oil-Fired Storage Water Heaters are the perfect answer. Efficiency and economy of operation are achieved by separating the hot water generation from that required for space heating. The heaters can be sized to accommodate specific requirements and, in many instances, located close to the point of use, thereby eliminating heat losses due to long pipe runs.

For applications where there is a constant demand for hot water or where usage peaks at certain times, eg hotels, hospitals and leisure centres, the fast recovery rates of Andrews Oil-Fired Storage Water Heaters ensure hot water when it is needed. Of particular importance to the healthcare sector is the units ability to eliminate the conditions that allow Legionella to be present.

The comprehensive range incorporates six models with outputs from 432 litres/hour to 2,786 litres/hour. The units can be installed singly or in parallel depending on the system requirements. Andrews Oil-Fired Storage Water Heaters offer a regular, reliable supply of economical hot water for a variety of applications. Each unit is supplied complete with matched pressure jet burner and controls and are suitable for use with 28 and 35 second oil.

### The Andrews Oil-Fired Range offers all of the benefits of their well established Gas-Fired counterparts

This includes a mild steel storage tank with a special formula vitreous enamel lining. Cathodic protection is provided by magnesium anode(s) or alternatively "Correx" maintenance-free anodes which are available as an optional extra.

All units offer reliability of performance, a three-year tank warranty and the backing of Andrews' experience in the industry since 1976.

Alternative Bio-fuel burners are available. Contact our Technical Department for further information.

### Vented or Unvented

All units are suitable for vented or unvented installation. In the case of unvented installation the unit is supplied with line strainer, check valve, pressure limiting valve, expansion vessel, expansion relief valve, combined temperature and pressure release valve a tundish. This allows for the water heater(s) to be fed from mains water which can offer a number of advantages:

- Elimination of cold feed header tank and associated pipework
- Reduction in system pipework diameter
- Improved operating pressure

### Ancillary Equipment Options

- Direct storage tanks in three sizes to meet intermittent heavy loads
- Unvented system kits for direct connection to mains water supply
- Correx 'maintenance-free' anodes
- Exhausto flue fan



OFS25



OFS29



OFS63



OFS90



OFS108



OFS163

## Specification

| Model   | OFS25                                       | OFS29           | OFS63           | OFS90           | OFS108          | OFS163          |
|---|---|-----------------|-----------------|-----------------|-----------------|-----------------|
|   | SI metric                                   | SI metric       | SI metric       | SI metric       | SI metric       | SI metric       |
| <b>Storage capacity</b>                                     | 192 ltrs                                    | 265 ltrs        | 146 ltrs        | 146 ltrs        | 378 ltrs        | 306 ltrs        |
| <b>Recovery through 50°C</b>                                | 432 l/h                                     | 490 l/h         | 1080 l/h        | 1548 l/h        | 1857 l/h        | 2786 l/h        |
| <b>Recovery through 56°C</b>                                | 390 l/h                                     | 443 l/h         | 975 l/h         | 1398 l/h        | 1677 l/h        | 2516 l/h        |
| <b>Heat input</b>   | 30.8 kW                                     | 34.9 kW         | 71.8 kW         | 102.6 kW        | 123.1 kW        | 184.6 kW        |
| <b>Heat output</b>  | 25.2kW                                      | 28.6 kW         | 63 kW           | 90.3 kW         | 108.3 kW        | 162.5 kW        |
| <b>Gross efficiency</b>                                     | 82%   | 82%             | 88%             | 88%             | 88%             | 88%             |
| <b>Fuel</b>   | BS2869 Kerosene Class C2 or Gas Oil Class D |                 |                 |                 |                 |                 |
| <b>Burner type (1)</b>                                      | EOGB BTL4                                   | EOGB BTL4       | EOGB BTL6       | EOGB BTL10      | EOGB BTL10      | EOGB BTL14      |
| <b>Flue diameter</b>  | 152 mm                                      | 152 mm          | 203 mm          | 203 mm          | 203 mm          | 203 mm          |
| <b>Electrical supply</b>                                    | 230 Volt 1 ph 50 Hz                         |                 |                 |                 |                 |                 |
| <b>Fuel consumption (2)<br/>Kerosene<br/>28 sec Class C</b> | 3.2 l/h                                     | 3.7 l/h         | 7.5 l/h         | 10.8 l/h        | 12.9 l/h        | 19.4 l/h        |
| <b>Fuel consumption<br/>Gas Oil<br/>35 sec Class D</b>      | 3.1 l/h                                     | 3.5 l/h         | 7.2 l/h         | 10.3 l/h        | 12.4 l/h        | 18.6 l/h        |
| <b>Cold inlet top</b>                                       | ¾"BSP (22mm)                                | 1"BSP (28mm)    | –               | –               | 1½"BSP (42mm)   | –               |
| <b>Cold inlet front (3)</b>                                 | –   | –               | 1½"BSP (42mm)   | 1½"BSP (42mm)   | 1½"BSP (42mm)   | 1½"BSP (42mm)   |
| <b>Cold inlet rear</b>                                      | –   | –               | 1½"BSP (42mm)   | 1½"BSP (42mm)   | 2"BSP (54mm)    | 2"BSP (54mm)    |
| <b>Hot outlet top</b>                                       | ¾"BSP (22mm)                                | 1"BSP (28mm)    | –               | –               | 1½"BSP (42mm)   | –               |
| <b>Hot outlet front</b>                                     | –   | –               | 1½"BSP (42mm)   | 1½"BSP (42mm)   | 1½"BSP (42mm)   | 1½"BSP (42mm)   |
| <b>Hot outlet rear</b>                                      | –   | –               | 1½"BSP (42mm)   | 1½"BSP (42mm)   | 2"BSP (54mm)    | 2"BSP (54mm)    |
| <b>Drain port</b>   | ¾"BSP (22mm)                                | ¾"BSP (22mm)    | ¾"BSP (22mm)    | ¾"BSP (22mm)    | ¾"BSP (22mm)    | ¾"BSP (22mm)    |
| <b>Max working pressure</b>                                 | 150 psi 10.3bar                             | 150 psi 10.3bar | 150 psi 10.3bar | 150 psi 10.3bar | 150 psi 10.3bar | 150 psi 10.3bar |
| <b>Max test pressure</b>                                    | 300 psi 20.6bar                             | 300 psi 20.6bar | 300 psi 20.6bar | 300 psi 20.6bar | 300 psi 20.6bar | 300 psi 20.6bar |
| <b>Wt empty inc. burner</b>                                 | 118.5 kg                                    | 143.5 kg        | 195 kg          | 195 kg          | 345 kg          | 395 kg          |
| <b>Wt full inc. burner</b>                                  | 309 kg                                      | 406 kg          | 340 kg          | 340 kg          | 722 kg          | 699 kg          |

- (1) Price includes EOGB BTL on/off type oil burner, water draw off cock, draught stabiliser and comprehensive installation manual.  
 (2) The burner is supplied with a kerosene nozzle and a gas oil nozzle, correct one to be fitted on site.  
 (3) Refer to specification sheet for full dimensions and further technical data and to installation manual for installation instructions.

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