

The Calorex HRD System

A superb thermodynamic control system from Calorex. These powerful units provide huge capacities for complete control of very large indoor pool projects.

The HRD is the ideal system for use with distribution ductwork.

i The Calorex HRD System

The **HRD** is a unique environmental control unit designed specifically for use on larger indoor pool projects. Ideally suited to Leisure, Commercial & Municipal projects, the HRD automatically controls the whole internal environment. This comprehensive equipment is one of the most **energy efficient** systems built, offering heat recovery to both air and pool water. Integral controls ensure a carefully balanced environment, whatever size of pool. If you require **FREE** design advice, specifications or guidance, we will be happy to assist.



Extra Carriage charge applies to the HRD Environmental Control System - please contact Certikin for quote



Features & Benefits

- Dual mode heat recovery
- Twin fan system
- Twin compressors
- Ozone friendly
- Low running costs
- Compact design
- Built to suit each project
- Optional configurations
- Air quality monitoring
- Optional alarm signalling facility
- Full service back-up
- Commissioned FREE of charge (UK only)

Approx Footprint size allow:

- 3.3m x 1.1m for HD1500 & HD2000
- 4.1m x 1.8m for HD2500 & HD3000

Maximum Height:

- HD1500 = 2.06 metres
- HD2000 = 2.06 metres
- HD2500 = 2.48 metres
- HD3000 = 2.48 metres

Fundamental Design Data

| Designation | Calorex HRD Models | | | |
|--|--------------------|--------|--------|--------|
| | HD1500 | HD2000 | HD2500 | HD3000 |
| Air Cooling Facility | ✓ | ✓ | ✓ | ✓ |
| Air Conditioning Facility | ✗ | ✗ | ✓ | ✓ |
| Electrical Power Consumed (kW) | 17 | 23 | 31 | 44 |
| Recommended Electrical Supply (Amp) | 35 | 48 | 75 | 110 |
| Recommended Fuse Capacity (Amp) | 45 | 88 | 100 | 160 |
| Capacity of LPHW Air Heating Coil (kW) | 70 | 100 | 150 | 210 |
| Weight (unpacked) kg | 1100 | 1400 | 2950 | 2980 |

Note: Total low pressure boiler capacity will depend upon design requirements for the project

Guideline Equipment Selection

| Designation | Calorex HRD Models | | | |
|---|-------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| | HD1500 | HD2000 | HD2500 | HD3000 |
| Hotel / Club Pool Provisional Pool Area (m ²) | up to 360m ² | 360m ² - 485m ² | 485m ² - 610m ² | 610m ² - 740m ² |
| Municipal Pool Provisional Pool Area (m ²) | up to 330m ² | 330m ² - 455m ² | 455m ² - 575m ² | 575m ² - 700m ² |

Note: The figures shown in the above table are for guidance only. For accurate appraisal and equipment selection our "Indoor Pool Questionnaire" lists design parameters required (see page 189). For further assistance please telephone 01993 777200.