



RECYCLE LOOPS

H102J



Year 1
study

Description

The Optional Recycle Loops H102J consists of a coiled tube section that connects directly to the HOT OUT and HOT RETURN couplings on the H102 Unit front panel. Additional components attach to the standard vent and filling points on the H102 unit and allow the hot water system to be pressurised and connected to both the cold water feed and drain. The standard H102 hot water circuit then becomes a recycle circuit with low volume cold water feed and equal volume mixed/heated water drain. The standard hot and cold flowmeters on the H102 allow measurement of both the recycle flow and the bleed flow. Additional thermocouples supplied as part of the H102J accessories allow all of the relevant temperatures to be recorded either on the standard instruments or the optional HC102A Computerised Data Acquisition.

Related Laws/Applications

- Recycling
- Thermodynamic processes
- Reduced energy requirements.
- Air conditioning
- Building.
- “Sick building” syndrome
- Micro-biological
- Chemical engineering processes

Learning capabilities

- Investigation and Fundamental Understanding of the Recycle Loop Process
- The effect of the cold/drain flow rate on the system.
- The effect of the recirculated flow rate on the system.
- Steady State Heat and Mass Balances.
- Investigation of Responses to Changes in Bleed Flow Rate or Recycle Rate

Essential Ancillaries

- H102

What's in the Box?

- 1 x H102J
- Instruction manual
- Packing List
- Test sheet

Essential Services

- H102

Ordering information

To order this product, please call PA Hilton quoting the following code:
H102J

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COUNTRY OF ORIGIN - UK WARRANTY PERIOD - 5 YEARS