

- **Compensation for water loss**
- **Reduction in operating costs**

Make-up Water Control Application Note

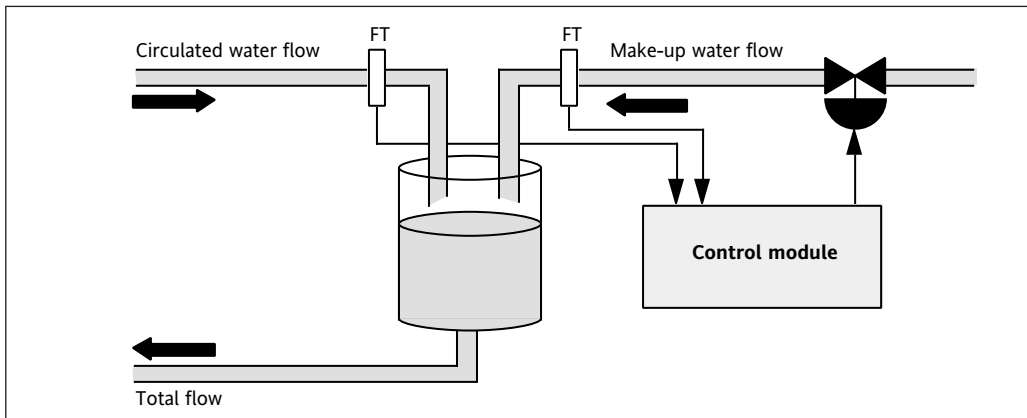
Process systems using water such as boilers and water treatment plants must be designed to operate efficiently whilst responding to any changes in demand. In these processes, water is generally lost in the recirculation by evaporation, drift, blowdown or leakage. Eurotherm® provides an efficient, well implemented control technique capable of reducing operating and pumping costs whilst providing resources for greater flexibility in plant management and control.

The illustrated control loop uses a PID control module to regulate the total water flow in the recirculation system by adding make-up water to the circulated water.

The circulated water flow in the plant is measured, linearised within the control module and compared with the required total flow setpoint. The resultant value is then used as a setpoint for the make-up water flow control loop.

Make-up water control provides

- Plant efficiency
- Faster return to optimal operating levels
- Substantial savings on operating costs



Eurotherm: International sales and service

AUSTRALIA Sydney
T (+61 2) 9838 0099
E info.au@eurotherm.com

AUSTRIA Vienna
T (+43 1) 7987601
E info.at@eurotherm.com

BELGIUM & LUXEMBOURG Moha
T (+32) 85 274080
E info.be@eurotherm.com

BRAZIL Campinas-SP
T (+5519) 3707 5333
E info.br@eurotherm.com

DENMARK Copenhagen
T (+45 70) 234670
E info.dk@eurotherm.com

FINLAND Abo
T (+358) 22506030
E info.fi@eurotherm.com

FRANCE Lyon
T (+33 478) 664500
E info.fr@eurotherm.com

GERMANY Limburg
T (+49 6431) 2980
E info.de@eurotherm.com

HONG KONG & CHINA
T (+85 2) 28733826
E info.hk@eurotherm.com

Guangzhou Office
T (+86 20) 8755 5099
E info.cn@eurotherm.com

Beijing Office
T (+86 10) 6567 8506
E info.cn@eurotherm.com

Shanghai Office
T (+86 21) 6145 1188
E info.cn@eurotherm.com

INDIA Chennai
T (+91 44) 24961129
E info.in@eurotherm.com

IRELAND Dublin
T (+353 1) 4691800
E info.ie@eurotherm.com

ITALY Como
T (+39 31) 975111
E info.it@eurotherm.com

KOREA Seoul
T (+82 31) 2738507
E info.kr@eurotherm.com

NETHERLANDS Alphen a/d Rijn
T (+31 172) 411752
E info.nl@eurotherm.com

NORWAY Oslo
T (+47 67) 592170
E info.no@eurotherm.com

POLAND Katowice
T (+48 32) 2185100
E info.pl@eurotherm.com

SPAIN Madrid
T (+34 91) 6616001
E info.es@eurotherm.com

SWEDEN Malmo
T (+46 40) 384500
E info.se@eurotherm.com

SWITZERLAND Wallerau
T (+41 44) 7871040
E info.ch@eurotherm.com

UNITED KINGDOM Worthing
T (+44 1903) 268500
E info.uk@eurotherm.com

www.eurotherm.co.uk

U.S.A. Leesburg VA
T (+1 703) 443 0000
E info.us@eurotherm.com

www.eurotherm.com

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