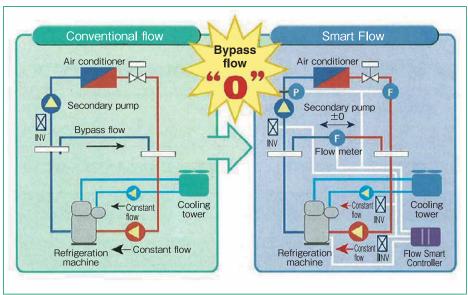
Reduces the power consumption of refrigeration machine pumps by 60%, thus saving a power of 390 MWh/year consumed by a semiconductor factory that uses four 210RT chillers.

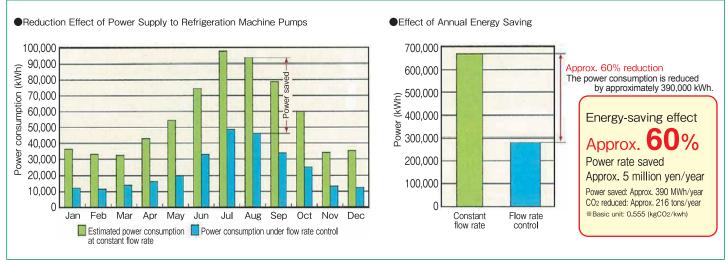
Received the Excellent Energy-saving Equipment Commendation from the Japan Machinery Federation.

Overview (Technical principles, actions, etc.)

A conventional refrigeration machine pump for heat sources used for air-conditioning systems involves a redundant bypass flow in a bypass pipe connected to the pump, because the pump is under constant flow control. DAI-DAN's Flow Smart uses a dedicated controller and inverter to reduce the bypass flow to zero, thus making it possible to realize optimum flow control according to each load. The Flow Smart performs the total control of primary (cold/hot water and cooling water) and secondary pumps.



Operation Principle Chart



Energy-saving Track Record Graph

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