

## 1 Eliminate wasted energy

### Resource consumption cut

Productivity UP

Added Value UP

## Energy saving of molding machines

Are you aware that the heat from the barrel temperature control is flowing into the lower hopper block?  
Why not give chopping the barrel a try? You'll be surprised how effectively it insulates.

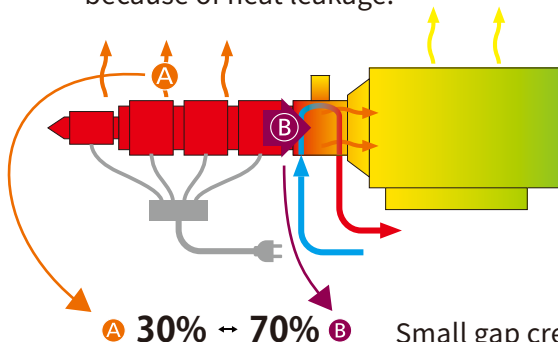
# Insulated Barrel

## Overview

Previously, the barrel (heating cylinder) was directly connected to a steel block known as the lower hopper block, allowing heat to transfer and dissipate efficiently due to the metal-to-metal connection. To prevent heat loss, zirconia insulation centering is now used, placed and secured at this connection point.

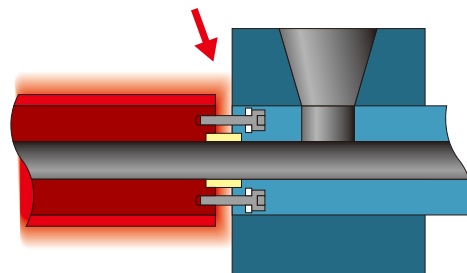
## Conventional

Electricity is being used up because of heat leakage.

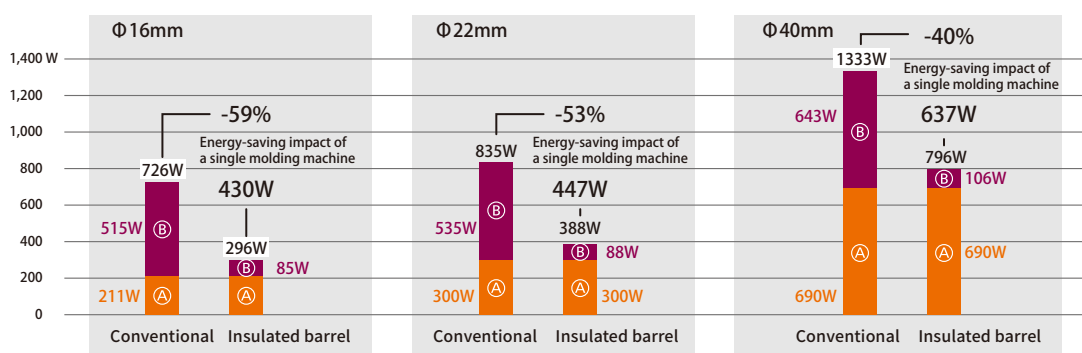


### Insulated barrel

Ensure heat does not flow from the barrel to the lower hopper.



Small gap creates a significant energy-saving effect.



## Features

- Adding insulation helps cut down on the energy wasted for heating.
- Reducing heat loss also eases the strain on the working environment (saving on air conditioning costs).
- The overall length of the barrel remains the same, and the screw and nozzle can be used as before.

