



Pressure Independent Flow Limiter Valve PIFLV™

Designed for ON/OFF cooling  
zone applications.

**BELIMO**®

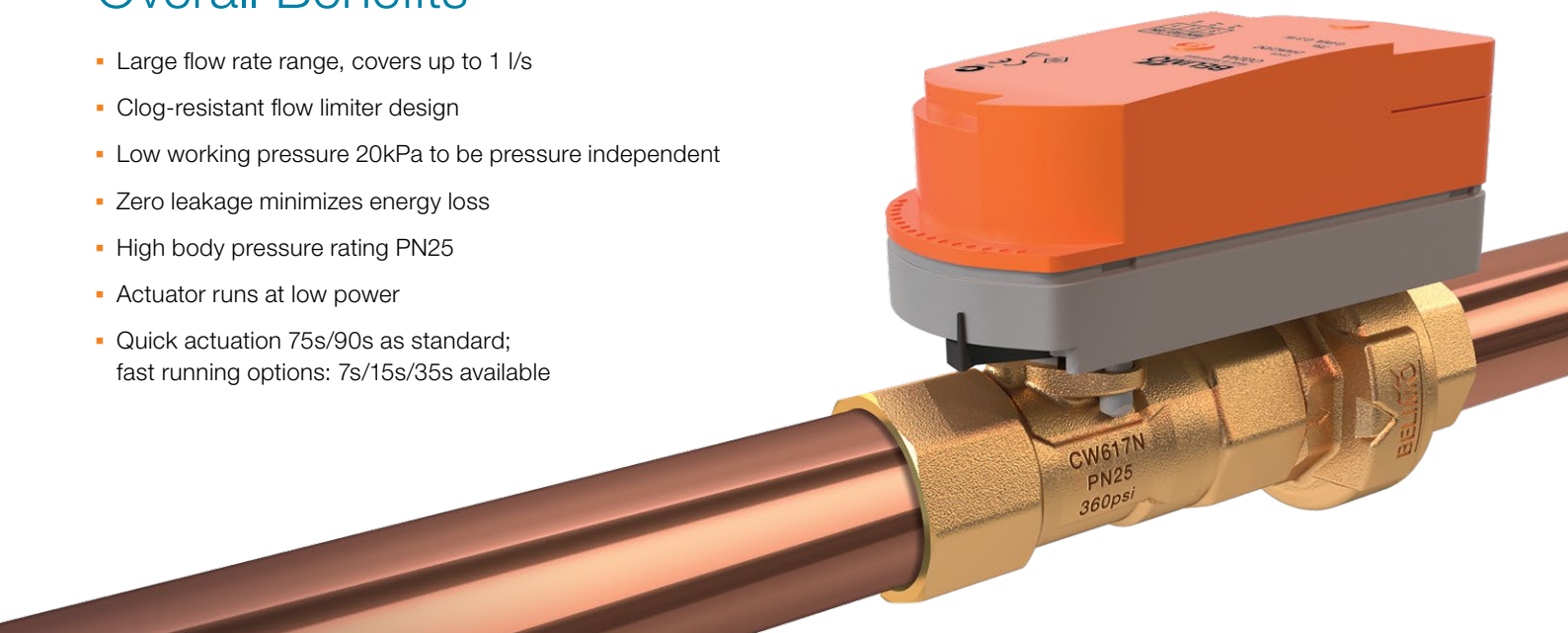


## Energy efficiency for zone applications.

The PIFLV™ is a pressure independent flow limiter valve that is specially designed for ON/OFF cooling zone applications. It is the best fitting solution where large delta T is required.

### Overall Benefits

- Large flow rate range, covers up to 1 l/s
- Clog-resistant flow limiter design
- Low working pressure 20kPa to be pressure independent
- Zero leakage minimizes energy loss
- High body pressure rating PN25
- Actuator runs at low power
- Quick actuation 75s/90s as standard; fast running options: 7s/15s/35s available



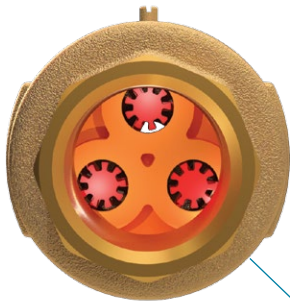
## Innovative Flow Limiter Design

### No Overflow

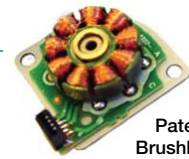
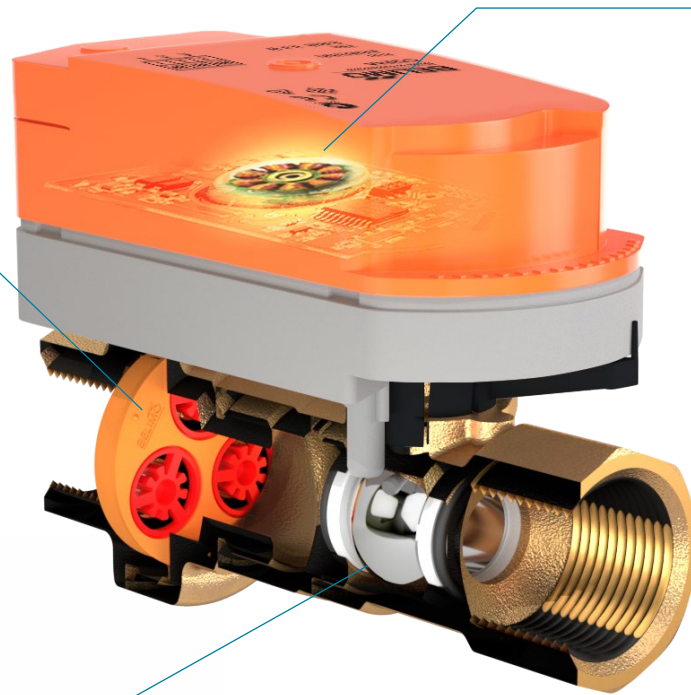
The unique Innovative design combines an ultra-slim flow limiter with a 2-way ball valve to supply a specific flow regardless of system pressure fluctuations. It ensures the right flow across the valve without overflow.

### No Clogging

This new design provides much greater flow capacity since the flow rate is no longer bound by the complex cartridge or regulator limits. The clean and spacious inner structure allows dirt to wash out easily without clogging.



Innovative Flow Limiter Design



Patented Brushless DC Motor

## Actuator with Patented Brushless DC Motor

### Save Energy

The brushless DC motor's power consumption when running is a mere 0.3 W (0.15 W when holding), saving energy and transformer power. In addition to significantly reducing energy costs, this helps eliminate failures due to stalled motors and prolongs actuator life. It also allows for more units to be powered by a single transformer.

### More Room Comfort

Belimo motorized actuators have a standard 75s/90s running time. Fast running models 7s/15s/35s are also available. Quick actuation means energy efficiency and more room comfort.

## Ball Valve Technology

### No Leakage

Belimo ball valve design offers zero leakage which eliminates energy loss.

### No Clogging

Unlike short stroke globe valves, the self-cleaning ball helps minimize energy loss caused by clogging.

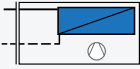
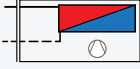






### Pressure Independent Flow Limiter Valve PIFLV™ Specification

Application	Cooling, ON/OFF
Media temperature	2°C...60°C
Differential pressure	20...280kPa
Flow stability	±7%*
Flow rate	DN15: 0.36 l/s DN20: 0.8 l/s DN25: 1.0 l/s
Body pressure rating	PN25
Close-off pressure	520 kPa
Leakage rate	0 leakage

\*average flow stability over the differential pressure range

# Belimo Zone Solutions: We focus on what you need.

Area of Application		Fan Coil (cooling)	Fan Coil (cooling and heating)	Chilled ceiling	Chilled ceiling and heating ceiling	Floor heating	Radiator
Pressure Dependent	QCV						
	PIQCV						
Pressure Independent	PIFLV™						

■ Suitable Application    ■ Focused Application

## Products at a Glance



### Pressure Dependent Quick Compact Valve (QCV)

- Pressure dependent zone valve
- For ON/OFF and modulating, cooling or heating applications
- DN15...20, adjustable kvs values, PN25



### Pressure Independent Quick Compact Valve (PIQCV)

- Pressure independent control valve
- For ON/OFF and modulating, cooling or heating applications
- DN15...25, adjustable flow rates, PN25



### Pressure Independent Flow Limiter Valve (PIFLV™)

- Pressure independent flow limiting valve
- For ON/OFF, cooling zone applications
- DN15...25, PN25