



# Pi<sup>®</sup> CHILLED BEAMS

LYRA II IQCC, NOVA II IQFI, AND  
ORION II IQHA

## KEY FEATURES

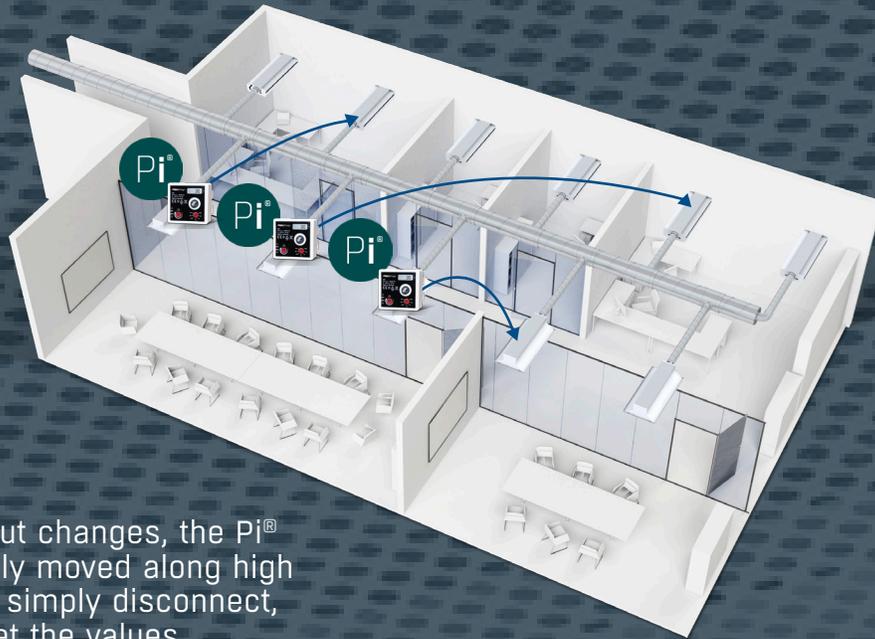
- Easily adaptable to fit changing floorplan layouts.
- The Pi<sup>®</sup> actuator allows the LYRA II IQCC, NOVA II IQFI and ORION II IQHA to provide demand controlled ventilation
- Demand controlled ventilation saves costs and maximizes comfort at the same time.
- Can be retrofitted
- Allows chilled beams to be more fluidly incorporated into designs, because the Pi<sup>®</sup> actuator makes ductwork pressure independent.
- Easy to install
- Easily transferable to other beams.

The Pi<sup>®</sup> actuator is an optional flow control device, that can be mounted directly to the LYRA II, NOVA II and ORION II, allowing ventilation flow to adjust in response to changes in demand or upstream pressure. Attaching a Pi<sup>®</sup> actuator to a chilled beam, allows the chilled beam to be even more flexible in terms of its ability to quickly adapt to constantly changing space conditions. The Pi<sup>®</sup> actuator adjusts the nozzles to allow only the amount of ventilation flow needed for current occupancy levels, regardless of the pressure changes occurring in the ductwork system. Air quality can also be monitored, because there is a CO<sub>2</sub> sensor connected to the controller. Unlike competitor's pressure independent controls, which can only be used with larger static pressure regain duct systems, the Pi<sup>®</sup> actuator can be used with any duct system. Since it can be used in combination with any duct system. Making it easy for engineers to incorporate the NOVA II, LYRA II and ORION II into their designs and can be easily and quickly removed and installed on another beam. In cases of redesigns or remodels, the Pi<sup>®</sup> actuator may be retrofitted to meet updated needs.



AIRFLOW  
CONTROL

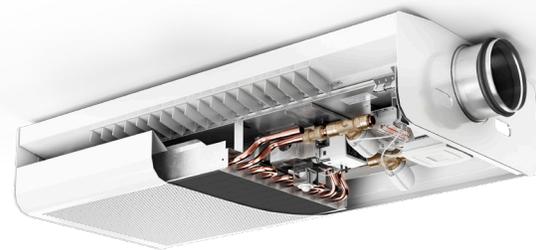
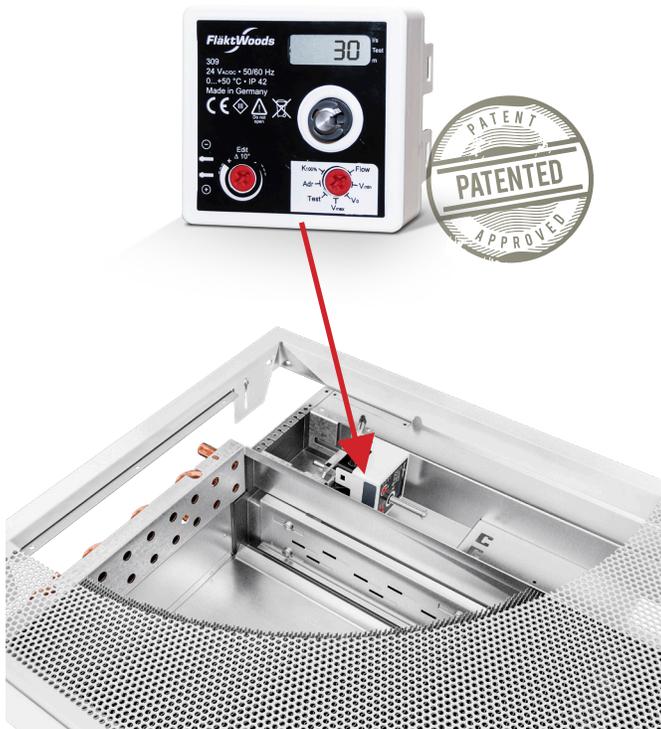




When the office layout changes, the Pi<sup>®</sup> actuator can be easily moved along high occupancy rooms — simply disconnect, re-connect and re-set the values.

The demand control ventilation feature of the Pi<sup>®</sup> actuator, allows chilled beams to be even more energy efficient, due to its three modes; unoccupied, standard occupancy and high occupancy, which determine exactly how much air is needed in a given zone and only turn the air nozzles on if the zone's occupancy demands it. Unoccupied mode, provides a minimum primary air flow for the induction required to allow the beam's coil to satisfy the zone's sensible demand. While occupied mode provides the required primary air flow for the zone.

## Demand controlled ventilation with high flexibility.



For more information on the Pi<sup>®</sup> actuator, to access the SELECT chilled beam selection tool, or find your local sales representative visit [www.semcohvac.com](http://www.semcohvac.com).

**EXCELLENCE IN SOLUTIONS**

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