

# nVent Highlights

## Super Computing 2021



### REAR DOOR HRU



- Active solution with fans to support the air flow and compensate the heat exchanger pressure drop
- Frame solution allows separation of coil and piping from the rack mount equipment
- Rear space inside the cabinet freely available for cabling, power distribution and coolant manifolds
- Available in 600 mm width/2200 mm (48 RU) height; other dimensions upon request
- Easily adapts to OpenRack v2.0 cabinets; retrofit kits available for third party cabinets

### RACK MANIFOLDS



- Delivers water-based coolant from Coolant Distribution Unit (CDU) or facility manifolds to cold plate equipment
- Two major configurations available
- Standard configuration uses jumper hoses to connect manifold to cold plate equipment
- Hose-whip configuration connects directly to cold plate equipment utilizing hose-whips attached directly to the manifold
- Various dripless, quick disconnect connectors available to match existing cold plate equipment
- Button-style mounting to be used with universal mounting brackets (also used with nVent RackPower intelligent power distribution units)

### IN ROW HRU



- Active solution with fans and pumps to move air and coolant through the device and the IT equipment
- Focus on redundancy: redundant fan modules, pumps, redundant power supplies
- Hot-swappable fans, pumps, power supplies and controller
- Integrated manifold connectors with full flow, dripless quick disconnect (dual ball valves)
- Dual feed electrical connection
- Internal leak detection with possibility to attach external leak sensing

### CDU800



- 800+kW of cooling capacity @ 4 K approach
- Redundant high-performance, leak-free pump system
- Integrated variable speed drives
- Primary (250 micron) and secondary (44 micron) flow filtration
- Coolant connections through top or bottom panel
- Integrated 10" touch panel display
- Remote control features through Ethernet, SNMP v3, Modbus, CAN Bus, and BACnet
- On-board integrated leak detection

### IPDU



- Reduce IP addresses – Daisy chain to manage and monitor up to 64 PDUs with a single IP
- Best-in-class warranty - 5 years
- Management software ready - Plug-ins for common DCIM ftware ready - Plug-ins for common DCIM
- Environmental monitoring and access control with plug-and-play support for up to 8 digital sensors
- Leading quality standards supporting regional requirements
- Secure – Circuit breaker status monitoring, color coded outlets by circuit breaker
- Fast installation, adjustable tool-less mounting

### CDU100/40



- Manages 40/100kW+ of processor load per network
- Compatible with ASHRAE W4 warm water cooling
- N+1 redundant centralized pumps
- Dry-break quick disconnects
- 5" LCD screen with touch functionality
- Integrated Command2 control and monitoring system (Webserver, Modbus, SNMP)
- Internal and external leak detection system
- 4U rack-mount chassis

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