

New Products – Engineered to Meet Today's Needs

The Most Extensive Variety of HVAC Components

SIEMENS

The HVAC industry is constantly changing. Siemens is continuously expanding its commercial HVAC component product portfolio to give you the most competitive advantage in the marketplace. This document contains new products not originally included in the *Siemens HVAC Components and Controls Catalog Edition 8.0*. Please reach out to your local Authorized Distribution Partner to hear more information on the newest Siemens products. To locate an authorized distributor, contact a Siemens Building Technologies representative at: 1.888.593.7876

VALVE PORTFOLIO UPDATES

Threaded 1/2" to 2" Normally Open & Normally Closed Pressure Independent Control Valves

Three Function, One Streamlined Device



Siemens Pressure Independent Control Valves integrates a control valve, adjustable flow limiter, and automatic pressure regulator. The 1/2" to 1 1/4" valves have a 2.5, 5, or 5.5 mm stroke and work with the SSD series electric actuators. The 1 1/2" to 2" normally open valves have a 15 mm stroke & work with the SAY series electronic actuators. SAY actuators for 1 1/2" to 2" normally open valves can also be set for normally closed operation (reverse acting). The SSD and SAY Actuators require a 24 Volt power supply to provide floating or 0-10 Vdc control.

Flanged 2.5" to 6" Spring Return & Non-Spring Return Pressure Independent Control Valves (PICV)

Optimize Large Hydronic Systems



Siemens Pressure Independent Control Valves integrates a control valve, adjustable flow limiter, and automatic pressure regulator. The 2.5" and 3" valves have a 20 mm stroke, and work with the SAX series non-spring return and SQV spring return series electric valve actuators. The 4", 5" and 6" valves have a 40 mm stroke and use the SAV non-spring return electronic valve actuators and the SQV spring return electronic valve actuators. The actuators require a 24 Vac/dc operating voltage and accept floating, 0 to 10 Vdc, or 4 to 20 mA control signals.

Low Profile 1/2" & 3/4" Two-Way Ball Valve Assemblies

Less is More!



The same Siemens ball valve you came to know and love received a makeover. The 1/2" & 3/4" 2-way valve profile is now 3" shorter and 1" narrower making this compact solution more practicable for tighter applications. The best thing is part number don't change!

Weather Shield For 599 Series Ball Valve Assemblies

Protection Against The Elements



Siemens 599-10080 Ball Valve Weather Shield provides protection from the elements in outdoor installations. When used with the weather shield, ball valve assemblies are UL listed to meet the NEMA Type 3R rating against rain, sleet, and damage from external ice formation.

VALVE PORTFOLIO UPDATES

Six-Way 1/2" & 1" Ball Valve Assemblies

Two for One



The Siemens 6-way control ball valve is suited for use in heated / chilled ceiling applications. This special design replaces four conventional valves and respective actuators in a 4-pipe heated/chilled ceiling. Since there is only one actuator, it occupies only one data point. Less effort for installation, commissioning and cabling as well as decreased space requirements reduce the complexity of the plant and result in lower costs.

SAS Actuators For 599 Powermite MT Series Valves

Out With The Old, In With the New



Siemens SAS Series Actuator is a direct replacement for the retired SQS series actuator. The SAS series actuator requires a 24 Vac supply and can receive a 0-10 Vdc or 0-1000 Ohm control signal to proportionally control a valve, or receive a floating control signal to provide floating control. This actuator is designed to work with Powermite MT Series Valves with a 7/32" (5.5 mm) stroke. These valves can be used in liquid and low pressure steam service applications.

Refrigeration Valves

For Safety Refrigerants



The MVL661 series refrigerant valves are hermetically sealed, 2-port valves used for modulating control of chillers and heat pumps in conjunction with PolyCool for superheat control or Climatix for chiller control. The M2FP03GX modulating pilot valve is used to control a chiller's main valves, or for direct control of low k_{vs} values. The M3FB.LX series modulating control valve is used for hot-gas applications for capacity control of refrigeration units and heat recovery systems.

ACTUATORS PORTFOLIO UPDATES

LA546 Laboratory Electronic Actuators

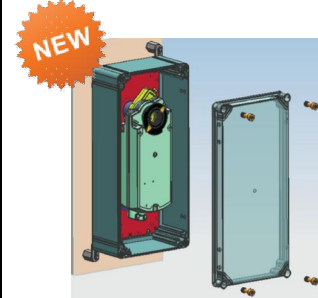
Ideal Critical Environment Air Valve And Damper Actuation



Siemens Laboratory Electronic Actuator is designed to work in airflow applications where rapid movement of a damper actuator is required to control the pressurization of a space. Typical applications include fume hood damper actuation and room pressurization control.

NEMA Type 4X Weather Shield Kit For OpenAir™ Damper Actuators

Protection Against The Elements



Siemens ASK75.7U NEMA Type 4X rated weather shield kit provides protection against the elements for damper actuators installed in outdoor locations. The weather shield is easy to install and contains all necessary hardware for installation and mounting with a wide range of control damper actuators.

VARIABLE FREQUENCY DRIVE PORTFOLIO UPDATES

BT300 NEMA Type 3R

Expanding The BT300 Family



Siemens NEMA Type 3R BT300 and BT300 with bypass are recent additions to the BT300 Variable Frequency Drives (VFDs) family. Manufactured for outdoor locations, the standard 3R rating cabinet provides protection from rain to the enclosed VFD and electrical control components. NEMA 3R BT300s are available in 208–240V up to 60HP and 380–480V up to 125HP.

BT300 Emergency Inventory

Same Day Shipping Available For Your Convenience



Siemens factory now stocks select BT300 VFDs intended for emergency shipments, next day air. NEMA Type 1 drive only are available in 208–240V from 1 to 10 HP and 380–480V from 3 to 50 HP. Similarly, NEMA Type 1 drives with electronic bypass are available in 208–240V from 1 to 10 HP and 380–480V from 3 to 50 HP.

BTE-SW-KIT Electronic Bypass Override Switch Kit

Conventional Override Capability In A Critical Failure Situation



Siemens override switch kit contains the parts needed to install an Electronic Bypass Override Switch on an existing BT300 BTE Bypass unit. This override switch gives the capability to override the BT300 when necessary and mechanically switch the drive between standard/default operation mode and override mode. This is used as a final solution to run a motor if the drive is unable to function properly or a critical failure occurs in both the drive and electric bypass.

Line & Load Reactors

Protect Your VFD And Extend Your Motor Life



Siemens Line reactors are installed when a drive is located close to a building's incoming power source where incoming spikes and other transients may damage the drive due to low impedance. Installing a line reactor at the input of each drive helps to counteract line spiking and nuisance faults causing the drive to shut down. Siemens Load reactors are installed on the drive output and will dampen overshoot peak voltage, reduce motor heating & audible noise. A load reactor helps to extend the life of the motor & increase the motor to drive distance.

THERMOSTAT PORTFOLIO UPDATES

RDG Series Commercial Fan Coil Room Thermostats

Digital Thermostats For The Light Commercial Markets



Siemens new digital RDG thermostat supports a wide range of applications, & feature additional inputs and outputs to customize applications. The RDG110U supports conventional, heat pump, fan coil & chilled ceiling applications while the RDG160TU adds flexible scheduling support and ECM fan output. The RDG400 features single duct VAV applications with aux heat, floating/modulating damper actuator, and valve control. The RDG series replace the RAA, RAB, RCC, RCU, RDU, RDF, & RDX legacy thermostat families.

RDY2000 & RDY2000BN Commercial Heat Pump & Conventional Room Thermostat

A Room Thermostat Designed for the American HVAC System



The Siemens RDY2000 stand alone model & the RDY2000BN communicating model are commercial room thermostats designed for use with room top units and split HVAC systems that require ON/OFF control of 24Vac circuits. It includes all necessary timers, delays and lockouts to protect the mechanical equipment and prevent inefficient operation. The RDY2000 can interface with remote sensors and devices to completely manage all aspects of room comfort including temperature, humidity, and air quality.

SENSOR PORTFOLIO UPDATES

MD-BMS & MD-BMED Power Meter Kits

Perfect For Tenant Submetering And Data Center Monitoring



Siemens MD submetering device is designed to provide real time, accurate electricity metering to enable greater control over energy costs. The meter captures kWh/kW energy and demand data with up to 75 relevant energy parameters for diagnostics and monitoring on three-phase or single-phase circuit installations. Its flexibility, size, and ease-of-use make it an ideal tool for gathering detailed consumption information in commercial, industrial, governmental, and retail environments. The MD-BMS and MD-BMED Power Meters directly replace the MD-BM Power Meters.

QAA/QFA/QPA Series 2200/3200 Room Sensors

Room Sensors For BACnet Terminal Equipment Controllers



Siemens Series 2200/3200 singular or combination room sensors provide accurate measurement of temperature, humidity, and/or CO₂, which can serve as input for HVAC control, monitoring, and energy management functions. The room sensors are now available to all distribution channels including all variants (including wireless) of the following families: QAA22xx Temperature Sensors, QFA32xx Humidity + Temperature Sensors, and QPA22xx 3-in-1 Sensors (Temp/RH/CO₂). The series 2200/3200 room sensors directly replace the series 2300/3300 room sensors and series 1000 room sensors.

QXA2602 Condensation Monitor With Remote Sensor

Avoid Damage Due To Condensation In Tight Places



Siemens QXA2602 is a new addition to the QXA2600 Condensation Monitors Series for use in chilled beam / chilled ceiling applications. The QXA2600 Series Condensation Monitors are used to avoid damage due to condensation on chilled ceilings in HVAC installations. The QXA2602 is a variant of the existing QXA2601, but includes a remote sensing element for easier installation in tight spaces. The QXA2602 includes a remote sensing element with mounting screws and a 60" cable for attachment to main housing.

Room Pressure Monitors, Room Condition Monitors, Multi-Room Monitor Station

Maintain The Proper Pressurization In Critical Environments



Siemens Room Pressure Monitor (RPM) and Siemens Room Condition Monitor (SRCM) are designed for critical low differential pressure applications that require stringent pressure monitoring and alarming. The units can be configured to monitor positive or negative pressure in protected environments and hospital isolation rooms per CDC guidelines. Siemens Multi-Room Monitoring Station (MRMS), installed in a central location, provide remote viewing and alarm monitoring for up to 8 rooms or critical spaces equipped with a RPMs or SRCM.

BUILDING AUTOMATION FIELD LEVEL CONTROLS

MS/TP Point Pickup Module

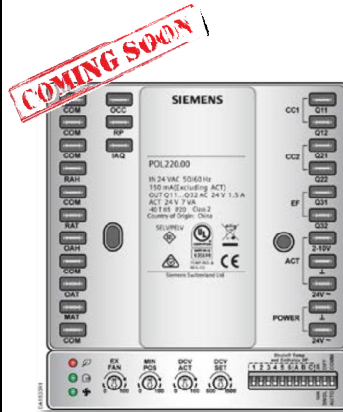
Affordably Incorporate Peripheral Devices Into a BAS



Siemens Point Pickup Modules (PPM) are expansion I/O devices that communicate on a BACnet network allowing the Building Automation Station to pick up a cluster of remote points over MS/TP. The PPM family leverages the MS/TP network to extend the reach of any BTL-listed BACnet Building Controllers application program. Each Universal Input can be configured for analog or digital input. Input/Output type is configured by writing to BACnet object properties.

Standalone POL220 Series Economizer Controller

A Simple Solution for Your Ventilation & Energy Saving Needs



The POL220 Economizer Controller is used with rooftop units and air handling unit economizer dampers to bring in fresh air without the need for mechanical cooling allowing unconditioned outside air to cool a building. The result is "Free" cooling and energy savings. The free cooling air determination is based on customer temperature and humidity selections as well as optional Demand Control Ventilation (DCV) strategies with CO2 level selection. This standalone economizer system is perfect for new and retrofit installations that do not have a building automation system.