

# NEW PRODUCT RELEASE

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## COMPACT VP1000 PRESSURE INDEPENDENT CONTROL VALVE

Johnson Controls® is pleased to announce the VP1000 product line enhancement.

The Compact VP1000 is the ultimate pressure independent control valve. In combination with VA-7480 actuator this solution optimizes your HVAC Installation performance by improving energy efficiency and providing a better and faster indoor comfort while installation and commissioning cost and time will be reduced.

### REASON TO BUY

#### **BEST IN CLASS PRESSURE INDEPENDENT PERFORMANCE**

New patented cartridge not in contact with the water. No dust particles through the cartridge so no risk of block. No failures. The best performance under extreme conditions is guaranteed after long operational periods with a removable pressure cartridge.

#### **FIELD SERVICEABILITY**

No need to replace the valve, just remove the cartridge to clean it or replace it by a new one.

#### **THE MOST ACCURATE FLOW CONTROL**

Along with the VA-7480 actuator, this solution provides the most accurate and precise linear and Eq% control characteristic. Energy efficiency and cost savings. The best comfort.

#### **NEW DESIGN FOR A COMPACT AND ROBUST GLOBE VALVE**

The new Compact VP1000 has a robust and compact design that simplifies installation in confined spaces, saving time and cost.



# COMPETITION COMPARISON

VALUE COMPARISONS	JOHNSON CONTROLS	BELIMO	FRESE	FLOWCON	DANFOSS	OVENTROP	IMI TA	JOHNSON CONTROLS ADVANTAGE
NOMINAL PRESSURE	PN 25	PN16	PN25	PN25	PN16	PN16	PN16	OPERATION IN EXTREME CONDITIONS
FLOW CHARACTERISTIC	Linear or Eq% through actuator	Eq% (Rotary)	Linear	Linear	Linear or Eq% through actuator	Linear	Linear (Compact) or Eq% (Modulator)	GREATER CONTROLLABILITY IMPROVE ENERGY EFFICIENCY AND COMFORT
DIRTY FREE RESISTANCE	■	---	---	---	---	---	---	RELIABLE CONTROL AND REGULATION AFTER LONG OPERATIONAL PERIODS IN EXTREME CONDITIONS IMPROVE ENERGY EFFICIENCY
REPLECABLE CARTRIDGE	■	---	---	■	---	---	---	REDUCE SERVICE AND MAINTENANCE COST
CORROSION RESISTANCE	■	---	■	---	■	■	■	OPERATION IN EXTREME CONDITIONS
FLOW ADJUSTABLE WITHOUT TOOL	■	---	■	■	■	■	■	REDUCE COMMISSIONING COST
FLOW RATE	150-1850	210-2100	200-1800	575-1110	150-900	210-1300	120 - 1150 (Compact) 120-975 (Modulator)	COVER WIDE RANGE OF APPLICATION
ΔP PRESETTING [kPa]	30-600 (DN15) 25-600 (DN20)	16-350	14,3-400	20-400	16-400	20-400	15-400 (Compact) 15-600 (Modulator)	WIDE CONTROL RANGE UNDER PRESSURE CHANGES



## ORDERING CODES

CODES	DESCRIPTION
VP100HAA	Compact VP1000 - DN15 150l/h, Pressure Ports, Female Connection
VP101HAA	Compact VP1000 - DN15 150l/h, No Pressure Ports, Female Connection
VP100HDA	Compact VP1000 - DN15 450l/h, Pressure Ports, Female Connection
VP101HDA	Compact VP1000 - DN15 450l/h, No Pressure Ports, Female Connection
VP100JAJ	Compact VP1000 - DN20 1000l/h, Pressure Ports, Female Connection
VP101JAJ	Compact VP1000 - DN20 1000l/h, No Pressure Ports, Female Connection
VP100JDB	Compact VP1000 - DN20 1850/h, Pressure Ports, Female Connection
VP101JDB	Compact VP1000 - DN20 1850/h, No Pressure Ports, Female Connection

### Accessories

INSL-01	Insulation kit DN15 - Valve Only
INSL-02	Insulation kit DN15 - Valve & VA-7480 Actuator
INSL-03	Insulation kit DN20 - Valve Only
INSL-04	Insulation kit DN20 - Valve & VA-7480 Actuator
REPLCRT-HAA	Compact VP1000 - VP10xHAA Replacement Cartridge
REPLCRT-HDA	Compact VP1000 -VP10xHDA Replacement Cartridge
REPLCRT-JAJ	Compact VP1000 - VP10xJAJ Replacement Cartridge
REPLCRT-JDB	Compact VP1000 - VP10xJDB Replacement Cartridge