Fan/Damper Actuators with Optional Foundation™ fieldbus Communications

- Combines the power and reliability of the Hagan Pneumatic Drive with the accuracy and features of the Fisher DVC5000/6000 Digital Valve Controller

- Integral I/P: FOUNDATION™ fieldbus input or 4-20mA HART® input

- Reliable, closed loop positioning

- Double acting piston – no vanes

- Optional “fail-in-place” upon loss of plant air

- Manual operator

- ValveLink Diagnostics/AMS

- Suitable for hazardous area service; explosion-proof, flameproof or intrinsically safe

Product description

Hagan Pneumatic Power Positioners have defined the standard of excellence in fan and damper actuation for more than 70 years.

These actuators convert the linear motion from a pneumatic piston into an 80° rotation of a drive arm. With few moving parts, the pneumatic power positioner remains the simplest, most reliable and most cost-effective method of actuation. Torque ranges are offered from 400 ft-lbs to 4,600 ft.-lbs.

The PowerVUE design uses the same rugged Hagan actuator and frame construction, combined with the accuracy and reliability of the Fisher FieldVUE DVC5000/6000 Digital Valve Controller.

The DVC5000 controller, using the HART or FOUNDATION fieldbus communications protocols, gives easy access to information that is critical to process operation.

The controller uses feedback from the actuator travel position to diagnose not only the instrument, but the actuator as well.

The information from the DVC5000/6000 can be integrated into control systems or be received for a single loop.

These instruments use two-wire loop power for low-cost replacement of existing instruments. The two-wire design avoids cost of separate power and signal wiring.

Self-diagnostic capabilities allow you to check fan/damper actuator performance in place. You can compare the present signature (load, friction, etc.) against stored signatures to discover performance changes before they cause problems.

Field maintenance of these instruments is easy. Repair consists of quick replacement of a single master module without disconnecting wires or tubing. Troubleshooting of the master module is fast and easy in the instrument shop.

Applications

Fan/Damper actuation for:

- Utilities
- Steel mills
- Refineries
- Pulp and paper
- Wastewater (aeration blowers)
Theory of operation

Traditional positioners use a mechanical force/balance concept, whereby a pneumatic input signal forces a diaphragm down, actuating a valve which ports air into one side of a piston and vents the other side. A feedback spring provides a counterbalancing force as the actuator approaches setpoint.

Mechanical positioners have worked well for many years, but are subject to sticking as mechanical components become soiled, resulting in a situation where the actuator “hunts” for the proper position. The process variable is always above or below setpoint, providing poor control that costs significant money and causes excessive wear on the actuator/linkage/dampers system.

The FieldVUE DVC5000/6000 Digital Valve Controller directly receives a 4-20 mA or fieldbus input signal. An independent feedback transducer provides an actuator position input, ensuring that the PowerVUE drive always moves to the setpoint demanded by the control system. Fieldbus versions of the DVC5000/6000 also offer PID loop control capability.

Options

Air Lock - mechanically locks the drive in place upon the loss of plant air.


Limit Switches - proof of position for purge/lightoff conditions may be accomplished by traditional mechanical microswitches.

Electric Position Transmitter - provides a 4-20 mA feedback signal representing actuator position. (HART versions only.)

Digital communications

4-20mA HART versions:

All operator information for setup and diagnostics is transmitted digitally via HART communications. A Rosemount 375 Hand-held or similar communicator may be used or a laptop computer with ValveLink Software. Emerson’s AMS offers the ValveLink software as an optional “snap-on” application. Instruments may be accessed individually or multiplexed through an “interchange” unit, providing continuous access to any number of Emerson’s instruments.

FOUNDATION fieldbus versions:

All operator interface is via the host computer console.

A hand-held device is available.

Valvelink advanced diagnostics

In addition to the standard features, advanced diagnostic features provide additional capabilities to diagnose problems with the DVC5000, the actuator, and even in the damper/linkage systems. Actuator can be tested as it is put into service, and this data compared to an “as found” condition after years in service. Maintenance can be scheduled based upon actual need vs. traditional “time in service” criteria.
**Performance Curves**

Set of characteristic curves for a typical air-operated power cylinder. Piston displacement and time are plotted for suddenly applied full-range positioning inputs to the cylinder. The linear sections of the curves correspond to steady speed.

A typical cylinder-thrust vs. speed characteristic. The curve of relative horsepower output is also shown.

Note: Stall torques are specified for all models. Emerson recommends that a 60% factor be applied to ensure fast control response. Rosemount Analytical power positioners are not recommended for reversing loads or heavy mass loads.
Features

- Digitally-controlled positioner system with HART® or FOUNDATION™ fieldbus communications
- Repeatability better than ±0.5%
- Direct 4-20 mA signal input – integral I/P
- Characterizable
- Reverse or direct acting
- Standard rotation – counterclockwise

Accessories

Clevis and pin are included P/N 174469
Air filter/regulator included P/N 4505C21G03

Options

- Mechanical air lock upon loss of plant air supply
- 4-20 mA position feedback signal – 4-20 mA HART versions only
- Manual lock
- Limit switches
- Minimum limit stop
4 X 5 torque type floor mounted specifications¹

Specifications

Actuator

Repeatability
±0.5% of full stroke or better

No load full stroke time
3 sec.

Stall torque
400 ft.-lbs. (542 N•m) with 100 psig (689 kPa gage) air supply

Maximum friction load
50% of control torque.

Maximum weight load
140 ft.-lbs. (189 N•m)

Maximum allowable cylinder air pressure
100 psig (689 kPa gage)

Power air consumption
10 scfm steady state.

Stroke length
5 in. (127 mm), 80° rotation.

Physical characteristics

Weight
80 lbs. (36 kg) typical

Air supply and signal air input fittings
1/4 inch NPT female connections

Environmental requirements actuator

Ambient temperature
Without heater:
40° to 122°F (4.4° to 50°C), 140°F (60°C) with increased maintenance

With heater
-10° to 122°F (-23.3° to 50°C) 140°F (60°C) with increased maintenance

Relative humidity
Operable up to 100% RH

Electronics
See DVC5000/6000 specifications

Pneumatic

Operating air supply pressure
45 to 100 psig (310 to 689 kPa gage)

Recommended air supply pressure
100 psig (689 kPa gage)

Electrical
Optional heater power consumption
150 watts

Signal requirements

Control signal inputs
4-20 mA signal with HART® or FOUNDATION™ fieldbus

¹ Specifications are subject to change without notification. Our policy is one of continuous improvement, and we reserve the right to change specifications.
## Ordering information

### PVD 405 PowerVUE Drive – 4 x 5 Torque Type Floor Mount

<table>
<thead>
<tr>
<th>Model</th>
<th>Product Description</th>
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</thead>
<tbody>
<tr>
<td>PVD 405</td>
<td>PowerVUE Drive – 4 x 5 Torque Type Floor Mount</td>
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</table>

### Basic Assembly Type and Connection Material

<p>| | |</p>
<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>01</td>
<td>Standard brass assembly</td>
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<tr>
<td>02</td>
<td>Manual lock brass assembly</td>
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<tr>
<td>03</td>
<td>Mechanical air lock brass assembly</td>
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<tr>
<td>04</td>
<td>Standard stainless assembly</td>
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<tr>
<td>05</td>
<td>Manual lock stainless assembly</td>
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<tr>
<td>06</td>
<td>Mechanical air lock stainless assembly</td>
</tr>
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### Digital Valve Controller

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<tr>
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<tr>
<td>01</td>
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<td>03</td>
<td>Fieldbus without basic control suite</td>
</tr>
<tr>
<td>04</td>
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### Limit Switches

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<tbody>
<tr>
<td>01</td>
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<tr>
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### EPT

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<tr>
<td>02</td>
<td>Digital EPT and 2 limit contacts (HART®versions only)</td>
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### Heater Option

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<tbody>
<tr>
<td>01</td>
<td>None</td>
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<tr>
<td>02</td>
<td>Heater/thermostat 115V 150 watt (not for use in hazardous areas)</td>
</tr>
</tbody>
</table>

### Option Notes

#### General Notes

PowerVUE Drive – 4 x 5 Torque Type Floor Mount  
43/95 kg/lb shipping weight  
Base price includes air filter-regulator. Style 450SC21G03, clevis style 174469 and IB-102-204

#### Level 2

Option: 00  
Digital Valve Controller (DVC 5000/6000) may be supplied by others but no performance guarantees for accuracy or speed of responses are provided. Warranty for DVC 5000/6000 will be the responsibility of the provider

Option: 02, 03  
DVC 5000 Options: flameproof cable gland: 1/2” NPT (aluminum), EExd IIC; cable entry adaptor (brass): 1/2” NPT M20 x 1.5 ISO, 1/2” NPT, PG 13.5

Option: 03  
Order as separate line item from addendum price list

#### Level 4

Option: 02  
Utilizes Moore Industries Site Programmable HART Alarm. Default configuration: 1 analog output representing actuator travel; 3 customer selectable position contacts; 1 contact for field device failure  
Moore HART SPA may be configured in an intrinsically safe arrangement through an IS barrier.

### Accessories

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
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<tbody>
<tr>
<td>1101588-002ENG</td>
<td>Tag SS (engraved)</td>
</tr>
</tbody>
</table>
6 X 10 torque type floor mounted features, accessories and options

**Features**
- Digitally-controlled positioner system with HART® or FOUNDATION™ fieldbus communications
- Repeatability better than ±0.5%
- Direct 4-20 mA signal input – integral I/P
- Characterizable
- Reverse or direct acting
- Standard rotation – counterclockwise

**Accessories**
- Clevis and pin are included  P/N 274472
- Air filter/regulator included  P/N 274472

**Options**
- Mechanical air lock upon loss of plant air supply
- 4-20 mA position feedback signal – 4-20 mA HART versions only
- Heater and thermostat
- Limit switches
- Manual operator

Dimensions in inches with millimeters in parentheses.

Drawings are for reference purposes only and Emerson does not warrant the accuracy of the dimensions herein.
# Ordering information

**PVD 610**  
PowerVUE Drive – 6 x 10 Torque Type Floor Mount

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<thead>
<tr>
<th>Model</th>
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<tbody>
<tr>
<td>PVD 610</td>
<td>PowerVUE Drive – 6 x 10 Torque Type Floor Mount</td>
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## Assembly Type & Connection Material

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<thead>
<tr>
<th>Assembly Type &amp; Connection Material</th>
<th>Description</th>
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<tbody>
<tr>
<td>01</td>
<td>Manual lock, brass fittings, polymer tubing assembly</td>
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<tr>
<td>02</td>
<td>Manual and mechanical air lock, brass fittings, polymer tubing assembly</td>
</tr>
<tr>
<td>03</td>
<td>Manual lock, SS fittings, SS tubing assembly</td>
</tr>
<tr>
<td>04</td>
<td>Manual lock and mechanical air lock, SS fittings, SS tubing assembly</td>
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## DVC 6000 Controller Style

<table>
<thead>
<tr>
<th>DVC 6000 Controller Style</th>
<th>Description</th>
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<tbody>
<tr>
<td>00</td>
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<tr>
<td>01</td>
<td>HART®</td>
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<tr>
<td>02</td>
<td>Fieldbus with basic control suite</td>
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<tr>
<td>03</td>
<td>Fieldbus without basic control suite</td>
</tr>
<tr>
<td>04</td>
<td>Other DVC style selected</td>
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## Limit Switches and Position Retransmission

<table>
<thead>
<tr>
<th>Limit Switches and Position Retransmission</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>No limit switches</td>
</tr>
<tr>
<td>02</td>
<td>2 mechanical limit switches SPDT</td>
</tr>
<tr>
<td>03</td>
<td>Digital electronic position transmitter &amp; 2 limit contacts, HART® version only</td>
</tr>
</tbody>
</table>

## Heater

<table>
<thead>
<tr>
<th>Heater</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>None</td>
</tr>
<tr>
<td>02</td>
<td>Heater/Therostat 115 VAC 150 watt (not for use in hazardous area)</td>
</tr>
</tbody>
</table>

## Option Notes

### General Notes

- PowerVUE Drive – 6 x 10 Torque Type Floor Mount
- 125/275 kg/lb shipping weight
- Base price includes air filter-regulator. Style 4505C21G03, clevis style 174469 and IB-102-204

### Level 2 Option

- Option: 04 Designate other DVC 6000 model number as a note on order.
- Option: 00 Digital Valve Controller (DVC 6000) may be supplied by others but no performance guarantees for accuracy or speed of responses are provided. Warranty for DVC 6000 will be the responsibility of the provider.
- Option: 02, 03 DVC 6000 Options: flameproof cable gland: 1/2” NPT (aluminum), EExd IIC; cable entry adaptor (brass): 1/2” NPT M20 x 1.5 ISO, 1/2” NPT, PG 13.5
- Option: 03 order as separate line item from addendum price list.
- Option: 02 Standard arrangement calls for Model FSDVC6020F-105/G160B/CSA, certified to CSA as intrinsically safe and Division II. Other certifications available. Advanced diagnostics provided.
- Option: 01 Standard arrangement calls for Model FSDVC6030F-107/G160B/CSA, certified to CSA as intrinsically safe and Division II. Other certifications available. HC HART communications. Advanced Diagnostics option available for additional price.

### Accessories

- 1101588-002ENG Tag SS (engraved)
## Ordering information

**Model** | **Product Description**
---|---
PVD814 | PowerVUE Drive – 8 x 14 Torque Type Floor Mount

### Assembly Type & Connection Material

<table>
<thead>
<tr>
<th>Assembly Type</th>
<th>Connection Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>Standard brass assembly</td>
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<tr>
<td>02</td>
<td>Standard stainless assembly</td>
</tr>
<tr>
<td>03</td>
<td>Mechanical air lock brass assembly</td>
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<td>Mechanical air lock stainless assembly</td>
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### Digital Valve Controller

<table>
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<tr>
<th>Option</th>
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<tbody>
<tr>
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<tr>
<td>01</td>
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<td>Fieldbus with basic control suite</td>
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<td>03</td>
<td>Fieldbus without basic control suite</td>
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<td>04</td>
<td>Other DVC style selected</td>
</tr>
</tbody>
</table>

### Limit Switches

<table>
<thead>
<tr>
<th>Option</th>
<th>Description</th>
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<tbody>
<tr>
<td>01</td>
<td>None</td>
</tr>
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<td>02</td>
<td>2 Std. limit switch – SPDT</td>
</tr>
</tbody>
</table>

### Electronic Position Transmitter

<table>
<thead>
<tr>
<th>Option</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>01</td>
<td>None</td>
</tr>
<tr>
<td>02</td>
<td>Digital electronic position transmitter &amp; 2 limit contacts (HART® versions only)</td>
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### Heater Option

<table>
<thead>
<tr>
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<th>Description</th>
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<tr>
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<tr>
<td>02</td>
<td>Heater/thermostat 115VAC 150 watt (not for use in hazardous areas)</td>
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### Option Notes

<table>
<thead>
<tr>
<th>Level</th>
<th>Option</th>
<th>Description</th>
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<tbody>
<tr>
<td>2</td>
<td>Option: 04</td>
<td>Designate other DVC 5000 model number as a note on order.</td>
</tr>
<tr>
<td>2</td>
<td>Option: 00</td>
<td>Digital Valve Controller (DVC 5000/6000) may be supplied by others but no performance guarantees for accuracy or speed of responses are provided. Warranty for DVC 5000/6000 will be the responsibility of the provider.</td>
</tr>
<tr>
<td>2</td>
<td>Option: 02, 03</td>
<td>DVC 5000 Options: flameproof cable gland: 1/2&quot; NPT (aluminum), EExd IIC; cable entry adaptor (brass): 1/2&quot; NPT M20 x 1.5 ISO, 1/2&quot; NPT, PG 13.5</td>
</tr>
<tr>
<td>2</td>
<td>Option: 03</td>
<td>order as separate line item from addendum price list.</td>
</tr>
<tr>
<td>2</td>
<td>Option: 01</td>
<td>Standard arrangement calls for Model DVC5020-116G60, certified to FM as intrinsically safe and Division II. Other certifications available. Advanced diagnostics provided.</td>
</tr>
<tr>
<td>2</td>
<td>Option: 02</td>
<td>Standard arrangement calls for Model DVC5020F-216, certified to FM as intrinsically safe and Division II. Other certifications available. HC HART communications. Advanced diagnostics provided.</td>
</tr>
<tr>
<td>4</td>
<td>Option: 02</td>
<td>Utilizes Moore Industries Site Programmable HART Alarm. Default configuration: 1 analog output representing actuator travel; 3 customer selectable position contacts; 1 contact for field device failure. Moore HART SPA may be configured in an intrinsically safe arrangement through an IS barrier. DVC 5000 Options: flameproof cable gland: 1/2&quot; NPT (aluminum), EExd IIC; cable entry adaptor (brass): 1/2&quot; NPT M20 x 1.5 ISO, 1/2&quot; NPT, PG 13.5</td>
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### Accessories

<table>
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<th>Item</th>
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<tbody>
<tr>
<td>T101588-002ENG</td>
<td>Tag SS (engraved)</td>
</tr>
</tbody>
</table>
DVC6000 series Specifications

Available configurations

DVC6010
Sliding stem applications

DVC6020
Rotary applications and long-stroke sliding-stem applications

DVC6030
Quarter-turn rotary applications

Input signal

Analog Input Signal
4-20 mA dc, nominal; split ranging available

Minimum Voltage Available at Instrument Terminals
11 VDC for analog control (see instrument instruction manual for details)

Minimum Control Current
4.0 mA

Minimum Current without Microprocessor Restart
3.5 mA

Maximum Voltage
30 VDC

Overcurrent Protection
Input circuitry limits current to prevent internal damage

Reverse Polarity Protection
No damage occurs from reversal of loop output

Output signal

Ranges
Pneumatic signal as required by the actuator, up to 95% of supply pressure

Minimum Span
6 psig (0.4 bar)

Maximum Span
140 psig (9.5 bar)

Action
Double, single direct, and single reverse

Supply pressure

Minimum and Recommended
5 psig (0.3 bar) higher than maximum actuator requirements

Maximum
150 psig (10.2 bar) or maximum pressure rating of the actuator, whichever is lower

Steady-state air consumption

At 20 psig (1.4 bar) supply pressure
Less than 11 scfh (0.3 normal m3/hr.)

At 100 psig (6.9 bar) supply pressure
Less than 45 scfh (1.2 normal m3/hr.)

Xi Temp. limits as measured inside the electronics housing
-20° to 70°C (-4° to 158°F)

Maximum output capacity

At 20 psig (1.4 bar) supply pressure
465 scfh (12.5 normal m3/hr.)

At 100 psig (6.9 bar) supply pressure
1570 scfh (42.1 normal m3/hr.)

Independent linearity
±0.5% of output span

Electrical classification

Hazardous Area
FM, CSA, CENELEC
Other approvals are pending from certifying agencies

Electrical Housing
Designed to meet NEMA 4X, IEC 529 IP 65

Connections

Supply Pressure
1/4-inch NPT female and integral pad for mounting
67 CFR regulator

Output Pressure
1/4-inch NPT female

Tubing
3/8-inch metal, recommended

Vent (pipe-away)
1/4-inch NPT female

Electrical
1/2-inch NPT female conduit connection, M20 adaptor optional
DVC6000 series Specifications\(^1\) continued

**Operating ambient temperature limits (standard)**

-40° to 85°C (-40° to 185°F)

**Construction materials**

Housing, module base and terminal box

ANSI B360.0 low copper aluminum alloy

*Cover*

Valox

*Elastomers*

Nitrile (standard), or Fluorelastomer (optional)

**Stem travel**

*DVC6010*

0 to 102 mm (8-1/8 inches) maximum

0 to 19 mm (3/4 inches) minimum

*DVC6020*

0 to 22 inches

**Shaft rotation (DVC6020 and DVC6030)**

0 to 90 degrees maximum.

**Mounting**

Designed for direct actuator mounting. For weatherproof housing capability, the instrument must be mounted upright to allow the vent to drain.

**Weight**

3.5 kg (7.7 lbs.)

**Options**

Supply and output pressure gauges or tire valves

Integrally mounted filter regulator

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\(^1\) These terms are defined in ISA Standard S51.1-1979

\(^2\) Normal m³/hr. – Normal cubic meters per hour at 0°C and 1.01325 bar, absolute; Scfh-Standard cubic feet per hour at 80°F and 14.7 psia

\(^3\) Values at 1.4 bar (20 psig) based on a single-acting relay; values at 6.8 bar (100 psig) based on double-acting relay.

Emerson Process Management has satisfied all obligations coming from the European legislation to harmonize the product requirements in Europe. The PowerVUE actuator is a subcomponent of an actuating system, including user-provided items such as linkages, bearings, and dampers. The user must ensure that the entire actuating system is in conformity with the provisions of the European Machinery Directive EC Machinery Directive 89/392/EEC, as amended by directive 91/368/EEC and Directive 93/44/EEC.
PowerVue field retrofit kits for existing hagan power positioners

Description
An existing Hagan torque-type power positioner can be retrofitted with the PowerVUE system in a few hours.

The PowerVUE system eliminates most maintenance requirements associated with mechanical “force balance” positioning systems, based on pilot valves.

The Hagan PowerVUE retrofit package includes all mounting brackets, hardware, and pneumatic tubing needed to upgrade an existing Hagan Pneumatic Power Positioner. No drilling or tapping of holes is required. (The positioning system mounts directly to the frame, eliminating the need for connecting linkages.)

Note: Retrofit kits are not offered for the Hagan thrust-type units, or the Econotorque Models.

Features
- Digitally-controlled positioner system
- Factory designed mounting
- Direct 4-20 mA signal input – integral I/P
- Characterizable
- Air lock upon loss of plant air supply
- Reverse or direct acting
- ValveLink diagnostics

Options
- 4-20 mA position feedback signal
- 2 position limit contacts available

Field Retrofit Kits are available for the 4 x 5 and 8 x 14 torque-type models:

- PP405TR  4" x 5"  Cylinder
- 452167  8" x 14"  Cylinder
- 457696  8" x 14"  Cylinder
- 452593  8" x 14"  Cylinder
- 443700  8" x 14"  Cylinder
- 457031  8" x 14"  Cylinder
## Ordering information

**PVD 468R**  
PowerVUE Drive – Retrofit Kit 4x5 or 8x14

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<tr>
<th>Model</th>
<th>Product Description</th>
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<tbody>
<tr>
<td>PVD 468R</td>
<td>PowerVUE Drive – Retrofit Kit 4x5 or 8x14</td>
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### Model

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<td>8x14</td>
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<tr>
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### Digital Valve Controller

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<th>Description</th>
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<tbody>
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<tr>
<td>01</td>
<td>HART®</td>
</tr>
<tr>
<td>02</td>
<td>FieldBus with basic control suite</td>
</tr>
<tr>
<td>03</td>
<td>FieldBus without basic control suite</td>
</tr>
<tr>
<td>04</td>
<td>Other DVC style selected, see addendum</td>
</tr>
</tbody>
</table>

### Electronic Position Transmitter

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>00</td>
<td>None required</td>
</tr>
<tr>
<td>01</td>
<td>Digital electronic position transmitter &amp; 2 limit contacts, HART® version only (4)</td>
</tr>
</tbody>
</table>

### Option Notes

**General Notes**  
PowerVUE Drive – Retrofit Kit 4x5 or 8x14  
"Base price includes air filter/regular style: 4505C21G03; clevis style: 174469  
Instruction manual IB 102-204.  
"Performance specifications may vary from the published specifications, depending  
on the age of the existing Hagan fan/damper actuator and the quality of the DVC  
5000/6000 installation. Setup and calibration of DVC 5000 is responsibility of  
others. Fairchild reversing relay is included with or without selection of DVC 5000."

**Level 1 Option:**  
Option: 02  
Some drilling and tapping required. Existing covers may be modified in the field or a  
precut back cover can be selected. P/N 4851828G01.

**Level 2 Option:**  
Option: 04  
Designate other DVC 5020/6020 model number as a note on order.

**Level 2 Option:**  
Option: 00  
Digital Valve Control (DVC 5000/6000) may be supplied by others, but no  
performance guarantees for accuracy or speed of response are provided.  
Warranty for DVC 5000/6000 will be the responsibility of the provider. Tubing is  
provided, but is not precut or preformed.

**Level 2 Option:**  
Option: 02, 03  
DVC 5000 Options: flameproof cable gland: 1/2" NPT (aluminum), EExd IIC, cable  
entry adaptor (brass): 1/2" NPT M20 x 1.5 ISO, 1/2" NPT, PG 13.5.

**Level 2 Option:**  
Option: 03  
Order as separate line item from addendum price list.

**Level 2 Option:**  
Option: 01  
Standard arrangement calls for Model DVC5020-116G60, certified to FM as intrinsically safe,  
and Division II. Other certifications available. Advanced diagnostics provided.

**Level 2 Option:**  
Option: 02  
Standard arrangement calls for model DVC5020F-216, certified to FM as intrinsically safe,  
and Division II. Other certifications available. Advanced diagnostics provided.

### Option Notes

| 11101588-002ENG | Tag SS (engraved) |

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PowerVUE™
November 2011

Product Data Sheet
PDS 102-222.A01

Scan this QR code to open the Model 6888 product information web page.

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