

Fisher™ FIELDVUE™ Digital Valve Controller Product Selection

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DVC2000
DIGITAL VALVE CONTROLLER



DVC6200
DIGITAL VALVE CONTROLLER



DVC6200p
DIGITAL VALVE CONTROLLER



DVC6200f
DIGITAL VALVE CONTROLLER



DVC6200 SIS
DIGITAL VALVE CONTROLLER

DVC2000 Product Selection



- DVC2000 digital valve controller, with aluminum construction.
- Single-acting, HART® 5 communicating electro-pneumatic valve positioner. Input signal 4-20 mA, 4-button Local User Interface (LUI) with full text LCD display, and 12 languages.
- Linkageless stem feedback solution using magnetic Hall-Effect contactless technology in conjunction with stem/shaft mounted magnet array.
- Temperature range -40 to +80°C (-40 to + 176°F). Maximum inlet pressure 7 barg (100 psig).
- Contact your [Emerson sales office](#) for additional information or visit Fisher.com.

Base Instrument Model*	
DVC2000	Digital Valve Controller, single-acting, HART-based 4-20 mA input signal
1. Hazardous Area Approvals*	
1A	CSA - Intrinsically Safe, Non-incendive
1B	FM - Intrinsically Safe, Non-incendive
1C	ATEX - Intrinsically Safe, Ex ia
1D	IECEx - Intrinsically Safe, Ex ia (includes RCM mark for import into Australia & New Zealand)
1E	INMETRO (Brazil) - Intrinsically Safe, Ex ia
1F	KTL (South Korea) - Intrinsically Safe, Ex ia
1G	NEPSI (China) - Intrinsically Safe, Ex ia
1H	CUTR EAC (Russia, Belarus, Kazakhstan, Armenia) - Intrinsically Safe, Ex ia
1I	PESO (India) - Intrinsically Safe, Ex ia
2. Housing Style*	
2A	Housing B (Standard design)
2B	Housing A (Integrated housing for use with Fisher GX valves only)
3. Threaded Connections*	
3A	1/2 NPT conduit & 1/4 NPT pneumatic
3B	M20 conduit & G1/4 pneumatic
3C	1/2 NPT conduit with M20 x 1.5 ISO brass adaptor(s) & 1/4 NPT pneumatic
3D	1/2 NPT conduit with M20 x 1.5 ISO SST adaptor(s) & 1/4 NPT pneumatic
3E	1/2 NPT conduit with PG 13.5 adaptor & 1/4 NPT pneumatic
4. Actuator Operating Pressure Range*	
4A	1.3 to 3.3 barg (20 to 49 psig)
4B	3.4 to 7.0 barg (50 to 100 psig)

5. Position Feedback Indication *	
5A	None
5B	(1) 4-20 mA Position Transmitter and (2) Isolated Switches
6. Diagnostic Level*	
AC	Auto Calibration: Basic positioner functionality with remote interaction via HART handheld communicator
HC	HART Communication: Basic HART communication with alerts; compatible with ValveLink™ software
AD	Advanced Diagnostics: HC features plus off-line diagnostics when used with ValveLink software
PD	Performance Diagnostics: AD features plus on-line in-service diagnostics when used with ValveLink software
7. Local User Interface Language *(1)	
EN	English
DE	German
ES	Spanish
FR	French
IT	Italian
CH	Chinese
JA	Japanese
PT	Portuguese
RU	Russian
PO	Polish
CZ	Czech
AR	Arabic
8. Additional Options **	
XX	None
SF	10-micron in-line air supply filter
VC	Pipe-away vent connection threaded 3/8 NPT or G3/8 (thread-type will match pneumatic connections)
CG	Conduit Cable Gland(s): Intrinsically safe, blue plastic
HF	HART Filter (DIN Rail mounted to support HART communications with HART incompatible hosts)
PP	Protective Plastic Pipe Plugs for pneumatic or conduit openings
CC	Custom Configuration - Please detail requirements separately
* Select only one option	
** Select more than one if required	
1. Select the Code of the language you want enabled on the local interface. Standard Language Pack includes: English, German, Spanish, French, Italian, Chinese, Japanese, Portuguese, Russian, Polish, and Czech. Optional Language Pack includes: English, Arabic, German, Spanish, French, Italian, Chinese, and Japanese.	

Typical model number: DVC2000 1C_2A_3A_4B_5A_HC_EN_SF HF

	1	2	3	4	5	6	7	8
DVC2000	1C	2A	3A	4B	5A	HC	EN	SF HF

Enter your choices to start the selection process:

	1	2	3	4	5	6	7	8
DVC2000								

DVC6200 Product Selection



- DVC6200 digital valve controller for modulating control service with HART 5, HART 7, FOUNDATION fieldbus™ or PROFIBUS PA protocol.
- The HART device is SIL3 capable when input signal is 0 mA/0 VDC.
- Aluminum or Stainless Steel constructions, Single-Acting Direct and Reverse and Double-Acting operation available.
- Linkageless stem feedback solution using magnetic Hall-Effect contactless technology in conjunction with stem/shaft mounted magnet array.
- Temperature range -40 to +85°C (-40 to + 185 F); -52°C (-61.6°F) with fluorosilicone elastomers. Low temperature limit for Arctic CUTR with Ex d construction is -60°C (-76°F). Maximum inlet pressure 10 barg (145 psig).
- Contact your [Emerson sales office](#) for additional information or visit Fisher.com.

Base Instrument Model*	
DVC6200H	Digital Valve Controller with 4-20 mA input and HART 5 communication
DVC6200F	Digital Valve Controller with FOUNDATION fieldbus digital communication
DVC6200P	Digital Valve Controller with PROFIBUS PA digital communication
1. Hazardous Area Approvals*	
1A	CSA - Explosion proof, Intrinsically Safe, Non-incendive; Class/Division & Zone
1B	FM - Explosion proof, Intrinsically Safe, Non-incendive; Class/Division & Zone
1D	ATEX - Flameproof, Intrinsically Safety, Type n (includes CBE, Certified Blanking Element)
1F	IECEX - Flameproof, Intrinsically Safety, Type n (includes RCM mark for import into Australia & New Zealand) (includes CBE, Certified Blanking Element)
1G	INMETRO (Brazil) - Flameproof, Intrinsically Safe, Type n
1H	KTL (South Korea) - Flameproof, Intrinsically Safe
1I	NEPSI (China) - Flameproof, Intrinsically Safe, Type n
1J	CUTR EAC (Russia, Belarus, Kazakhstan, Armenia)
1K	PESO (India) - Flameproof, Intrinsically Safe, Type n
1L	CML (Japan) - Flameproof
1M	Arctic CUTR (Russia, Belarus, Kazakhstan, Armenia) - Ex d (-60°C to +60°C)
1N	Arctic CUTR (Russia, Belarus, Kazakhstan, Armenia) - Ex ia (-55°C to +80°C)
2. Housing Material*	
2A	Aluminum
2B	Stainless Steel, includes fluorosilicone elastomers. Housing B only

3. Housing Style*	
3A	Housing B (Standard design)
3B	Housing A (Integrated aluminum housing for use with Fisher GX valves only)
4. Foundation Fieldbus Function Blocks*	
4A	Not Applicable, DVC6200H or DVC6200P selected
4B	DVC6200F with Fieldbus Logic (on/off control): DO, DI (4) function blocks
4C	DVC6200F with Fieldbus Control (modulating control): AO function block ONLY
4D	DVC6200F with Standard Control (modulating control): ALL available function blocks
5. Pneumatic Action*	
5A	Single-Acting DIRECT operation (RELAY C)
5B	Single-Acting REVERSE operation (RELAY B)
5C	DOUBLE-Acting operation (RELAY A)
6. Position Feedback I/O Options for DVC6200H*	
6A	Not Applicable, DVC6200F or DVC6200P selected
6B	DVC6200H without I/O options
6C	DVC6200H with 4-20 mA Position Feedback Transmitter enabled (Limit Switch disabled)
6D	DVC6200H with Single Limit Switch enabled (Position Feedback Transmitter disabled)
7. Gauges*	
7A	None - Outlets will be plugged
7B	None - Tire valve connections required
7C	Supply & Output gauges, dual scaled 0-60 psig, 0-4 bar
7D	Supply & Output gauges, dual scaled 0-60 psig, 0-0.4 Mpa
7E	Supply & Output gauges, dual scaled 0-60 psig, 0-4 kgm ²
7F	Supply & Output gauges, dual scaled 0-160 psig, 0-11 bar
7G	Supply & Output gauges, dual scaled 0-160 psig, 0-1.1 Mpa
7H	Supply & Output gauges, dual scaled 0-160 psig, 0-11 kgm ²
8. Threaded Connections*	
8A	1/2 NPT conduit & 1/4 NPT pneumatic
8B	1/2 NPT conduit with M20 x 1.5 ISO brass adaptor & 1/4 NPT pneumatic
8C	1/2 NPT conduit with M20 x 1.5 ISO SST adaptor & 1/4 NPT pneumatic
8D	M20 conduit with 1/4 NPT pneumatic
9. Diagnostic Level*	
AC	Auto Calibration for DVC6200H: Set-up via Device Communicator (not applicable for DVC6200F or DVC6200P)
HCFD	HART Communication/Fieldbus Diagnostics: Basic digital communication with alerts; applicable to all protocols.
AD	Advanced Diagnostics: HCFD features plus off-line diagnostics when used with ValveLink software (Not applicable for DVC6200P)
PD	Performance Diagnostics: AD features plus on-line in-service diagnostics when used with ValveLink software (Not applicable for DVC6200P)
PS	Partial Stroke Testing for DVC6200F devices ONLY (Not Applicable for DVC6200H or DVC6200P. See DVC6200 SIS for PST with HART)

10. Additional Options**	
XX	None
XT	Extreme temperature construction down to -52°C (-62°F) using fluorosilicone elastomers, Aluminum constructions only (SST constructions include fluorosilicone elastomers as standard and are rated to -52°C [-62°F] by default)
LL	Lloyds Marine Approval
RM	Remote mount version: DVC6205 with separate remote travel sensor (DVC6215) rated to 125°C (257°F), Aluminum constructions only
GC	Natural Gas Certified terminal box assembly - Single Seal Device
LB	Low Bleed Relay
CG1	Cable Gland: Intrinsically Safe, blue plastic
CG2	Cable Gland: Flameproof, ENC Brass
H7	HART 7 protocol enabled (requires HART 7 compatible host)
SF	10-micron in-line air supply filter
PP	Protective Plastic Pipe Plugs for pneumatic or conduit openings
CC	Custom Configuration - Please detail requirements separately
CBE	Certified Blanking Element ⁽¹⁾
DNV	DNV-GL Marine Approval
* Select only one option	
** Select more than one if required	
1. Standard for ATEX and IECEx approved devices.	

Typical model number: DVC6200H 1D_2A_3A_4A_5A_6B_7C_8A_PD_XT H7

	1	2	3	4	5	6	7	8	9	10
DVC6200H	1D	2A	3A	4A	5A	6B	7C	8A	PD	XT H7

Enter your choices to start the selection process:

	1	2	3	4	5	6	7	8	9	10

DVC6200 SIS Product Selection



- DVC6200 SIS digital valve controller with Partial Stroke Testing capability, HART 5 Communications (HART 7 optional), SIS diagnostics.
- Capable of being used in SIL3 safety applications as the safety shutdown device, exida certified.
- Linkageless stem feedback solution using magnetic Hall-Effect contactless technology in conjunction with stem/shaft mounted magnet array.
- Temperature range -52 to +85°C (-61.6 to + 185°F) with with fluorosilicone elastomers as standard. Maximum inlet pressure 10 barg (145 psig), low bleed relay standard.
- Contact your [Emerson sales office](#) for additional information or visit Fisher.com.

Base Instrument Model*	
DVC6200-SIS	Digital valve controller with PST capability, HART 5, SIS diagnostics
1. Hazardous Area Approvals*	
1A	CSA - Explosion proof, Intrinsically Safe, Non-incendive; Class/Division & Zone
1B	FM - Explosion proof, Intrinsically Safe, Non-incendive; Class/Division & Zone
1D	ATEX - Flameproof, Intrinsically Safe, Type n (includes CBE, Certified Blanking Element)
1F	IECEx - Flameproof, Intrinsically Safe, Type n (includes RCM mark for import into Australia & New Zealand) (includes CBE, Certified Blanking Element)
1G	INMETRO (Brazil) - Flameproof, Intrinsically Safe, Type n
1H	KTL (South Korea) - Flameproof, Intrinsically Safe
1I	NEPSI (China) - Flameproof, Intrinsically Safe, Type n
1J	CUTR EAC (Russia, Belarus, Kazakhstan, Armenia)
1K	PESO (India) - Flameproof, Intrinsically Safe, Type n
1L	CML (Japan) - Flameproof
2. Housing Material*	
2A	Aluminum
2B	Stainless Steel (Housing B only)
3. Housing Style*	
3A	Housing B (Standard design)
3B	Housing A (Integrated aluminum housing for use with Fisher GX valves only)

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4. Input Signal*	
4A	4-20 mA (Point-to-Point mode) with HART, exida Certified
4B	0-24 V DC (Multi-Drop mode), exida Certified
4C	0-24 V DC (Multi-Drop mode) with HART, exida Certified. Supplied with DIN rail-mount LC340 Line Conditioner to support HART communication
5. Pneumatic Action*	
5A	Single-Acting DIRECT operation in De-Energize-to-Trip configuration (RELAY C)
5B	Single-Acting REVERSE operation in Energize-to-Trip configuration (RELAY B)
5C	DOUBLE-Acting operation in De-Energize-to-Trip configuration (RELAY A)
6. Position Feedback I/O Options*	
6A	DVC6200-SIS with SIL 2 rated 4-20 mA Position Feedback Transmitter enabled (Limit Switch disabled)
6B	DVC6200-SIS with SIL 2 rated Single Limit Switch enabled (Position Feedback Transmitter disabled)
7. Gauges*	
7A	None - Outlets will be plugged
7B	None - Tire valve connections required
7C	Supply & Output gauges, dual scaled 0-60 psig, 0-4 bar
7D	Supply & Output gauges, dual scaled 0-60 psig, 0-0.4 Mpa
7E	Supply & Output gauges, dual scaled 0-60 psig, 0-4 kgm ²
7F	Supply & Output gauges, dual scaled 0-160 psig, 0-11 bar
7G	Supply & Output gauges, dual scaled 0-160 psig, 0-1.1 Mpa
7H	Supply & Output gauges, dual scaled 0-160 psig, 0-11 kgm ²
8. Threaded Connections*	
8A	1/2 NPT conduit & 1/4 NPT pneumatic
8B	1/2 NPT conduit with M20 x 1.5 ISO brass adaptor & 1/4 NPT pneumatic
8C	1/2 NPT conduit with M20 x 1.5 ISO SST adaptor & 1/4 NPT pneumatic
8D	M20 conduit with 1/4 NPT pneumatic
9. Additional Options**	
XX	None
RM	Remote Mount version: DVC6205 SIS with DVC6215 remote travel sensor rated to 125°C (257°F), aluminum constructions only
CG1	Cable Gland: Intrinsically Safe, blue plastic
CG2	Cable Gland: Flameproof, ENC Brass
LL	Lloyds Marine Approval
SV	Solenoid Valve testing capability (available on single-acting devices only, includes third pressure gauge)
H7	HART 7 protocol (for use with HART 7 hosts)
SF	10-micron in-line air supply filter
PP	Protective Plastic Pipe Plugs for pneumatic or conduit openings
CC	Custom Configuration - Please detail requirements separately
CBE	Certified Blanking Element ⁽¹⁾
DNV	DNV-GL Marine Approval
* Select only one option	
** Select more than one if required	
1. Standard for ATEX and IECEx approved devices.	

Typical model number: DVC6200-SIS 1D_2A_3A_4A_5A_6B_7F_8D_SV H7

	1	2	3	4	5	6	7	8	9
DVC6200-SIS	1D	2A	3A	4A	5A	6B	7F	8D	SV H7

Enter your choices to start the selection process:

	1	2	3	4	5	6	7	8	9
DVC6200-SIS									

Model Numbers

Model numbers generated using the above matrices can be referenced on supporting documentation, including the order acknowledgement, serial card, packing list and boxing labels. Contact your [Emerson sales office](#) to ensure the generated model number is included with your order.

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