Fisher™ D Series Valve Selection Guide


X1212

D2T On/Off Dump Valve

- NPS 1 CL900 NPT connections
- 0.5 inch FloPro solid R30006 or S17400 SST trim; Max C_V = 6.0
- Ability to meet the metallurgical requirements of NACE MR0175-2002
- Excellent live-loaded packing design


W9249

D3 Premium On/Off Dump Valve

- NPS 1 CL900 NPT connections
- NPS 1 and 2 CL900 NPT, NPS 1 and 2 CL600 RF connections
- 3/8, 3/4, or 1 inch FloPro S17400 SST or tungsten carbide trim; Max C_V = 16.8
- Ability to meet the metallurgical requirements of NACE MR0175/ISO 15156
- Excellent live-loaded packing design


W8531

D4 Premium High-Flow On/Off Dump Valve

- Throttling control
- NPS 1 and 2 4250 psi NPT, NPS 1 and 2 CL150 RF to 1500 RTJ connections
- 0.25 to 1.25 inch port S17400 SST or tungsten carbide trim; Max C_V = 33.2
- Ability to meet the metallurgical requirements of NACE MR0175/ISO 15156
- Excellent live-loaded packing design
- FIELDVUE™ digital valve controller and i2P-100 transducer mounting available
- Smaller envelope size than D

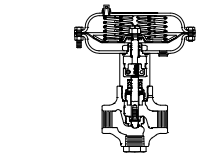

W7859-1

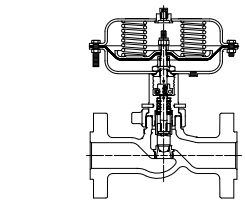
D High-Tier Throttling Control Valve

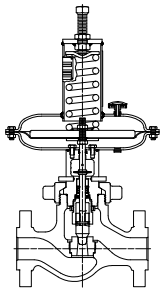
- NPS 1 and 2 3600 or 6000 psi NPT, NPS 1 and 2 CL150 RF to 2500 RTJ connections
- 0.25 to 1.25 inch port R30006 or tungsten carbide trim; Max C_V = 34.5
- Ability to meet the metallurgical requirements of NACE MR0175-2002
- High pressure capability; CL2500
- High flow / high pressure drop capability
- Tough standard R30006 trim offering
- Excellent tungsten carbide and VTC trim offering
- Preferred FIELDVUE digital valve controller mounting platform

D Series Control Valves (D2T, D3, D4, D)

Figure 1. D Series Control Valves (D2T, D3, D4, and D)


GE71876 **D2T**


GE21316 **D3**


GE02329-B **D4**

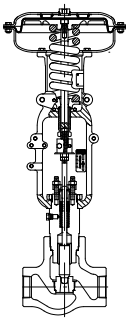

GE82656 **D**

Table 1. D Series Control Valves (D2T, D3, D4, and D)

VALVE	SIZES		THROTTLING (1)	TRIM		ENVIRO-SEAL™ PACKING	FIELD REVERSIBLE	HAMMER UNION	easy-Drive™ COMPATIBLE	FIELDVUE COMPATIBLE	QUAD-O COMPLIANT
	NPS 1	NPS 2		Standard	Optional						
D2T	X		no	S17400	CoCr-A	standard	yes	no	no	no	yes
D3	X	X	yes	S17400	tungsten carbide	standard	yes	yes	yes	no	yes
D4	X	X	yes	S17400	tungsten carbide	standard	no	yes	yes	yes	yes
D	X	X	yes	S31600/ CoCr-A	VTC (ceramic)	optional	no	no	no	yes	no
					tungsten carbide						

Note 1 for table 1. Dynamic performance and accuracy without a positioner depends on packing friction, actuator spring range, and the controller tuning. For information on your particular application, contact your Emerson sales office or Local Business Partner.

Table 2. End Connections

	D2T	D3	D4	D
NPS 1 NPT	X	X	X	X
CL150 RF			X	X
CL300 RF			X	X
CL600 RF		X	X	X
CL1500 RF			X	X
CL1500 RTJ			X	X
CL2500 RF				X
CL2500 RTJ				X
NPS 2 NPT		X	X	X
CL150 - CL300 RF			X	X
CL600 RF		X	X	X
CL1500 RF			X	X
CL1500 RTJ			X	X
CL2500 RF				X
CL2500 RTJ				X
10,000 API				X

Emerson Automation Solutions
Marshalltown, Iowa 50158 USA
Sorocaba, 18087 Brazil
Cernay, 68700 France
Dubai, United Arab Emirates
Singapore 128461 Singapore

www.Fisher.com