

Product Overview | Control Globe Valves

Rotary globe control valves have good rangeability, repeatability control, and are capable of tight shutoff. Unlike normal globe valves the V-port provides high capacity, precise control across a broad range of applications because of the V-slot machined into the ball. These also provided a non-clogging, high capacity flow control. The actuator/positioner/valve linkage are enclosed for both personnel safety and protection against damage.

SPECIFICATIONS

Available pipe size range: 1", 1½", 2", 3", 4", 6"

End connections: ANSI CL 150 raised-face flanged

Valve body material: Cast steel (WCC)

Valve trim: 316 SST

Maximum inlet pressure: 50 psi

Maximum supplied air pressure: 73 psi

Ambient temperature: -50° to 176°F

Actuator operating pressure/torque: See Table 1.

Input signal: 4-20mA

Switches: 2 SPDT switches

Visual indication: On Topwork

Mechanical stops: 2

Topwork switches model number: DXP-M21GSEB

Positioner model number: DVC6200

AGENCY APPROVAL

CSA - Intrinsically Safe, Explosion-proof, Div. 2, Dust Ignition-proof

FM - Intrinsically Safe, Explosion-proof, Dust Ignition-proof, Non-Intensive

ATEX - Intrinsically Safe, Flameproof, Type n Dust by Intrinsic Safety

IECEX - Intrinsically Safe, Flameproof, Type n Dust by Intrinsic Safety and Enclosure

Electrical Housing CSA - Type 4X, IP66 FM-Type 4X, IP66 ATEX-IP66 IECEX-IP6

Table 1: Actuator Torque

Actuator Size	Operating Pressure	
	29 psig Torque	58 psig Torque
1	226lbf in	453 lbf in
2	930 lbf in	1860 lbf in

Table 2: Flow Coefficients (Cv)

Valve Size (NPS)	Valve Rotation (Degrees)								
	10	20	30	40	50	60	70	80	90
1"	0.010	0.738	2.53	5.0	8.4	12.4	18.3	19.2	34.6
1½"	0.014	2.07	6.15	11.9	19.2	27.8	38.8	59.2	76.0
2"	0.028	2.64	9.60	19.1	31.4	46.1	67.2	93.6	123
3"	1.91	12.5	28.4	49.9	78.0	116	168	229	364
4"	5.21	25.4	52.6	90.4	135	189	260	352	523
6"	6.45	41.9	88.8	153	230	329	461	646	1080