

Durco EG4 V-Port Control Valves

In addition to the features and benefits that have made SleeveLine the process industry's premier plug valve, Flowserve offers the EG4 V-Port valve for precise modulating control services.

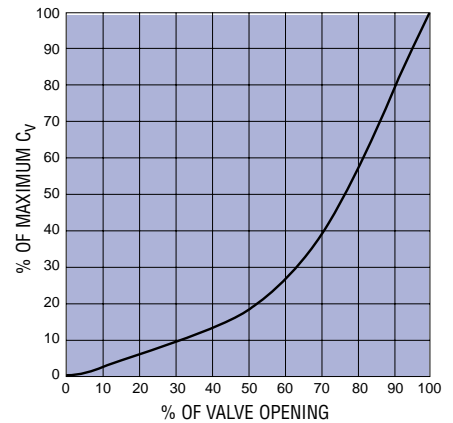
Durco EG4 V-Port control valves are available in a variety of trim configurations to satisfy your exact flow control needs. Sizes include 1 in (25 mm) through 6 in (150 mm) with full open C_v values of 3.0 to 400.

Specially trimmed EG4 V-Port SoundTrim® control valves reduce noise, cavitation and flashing while improving flow and pressure performance. STEG4 SoundTrim plugs are available for 1 in (25 mm), 2 in (50 mm) and 3 in (75 mm) valve sizes. Unique self-cleaning design prevents particulate build-up and clogging.

Characterized v-port SleeveLine control valves are available as follows:

- G4 – 1/2 in (5 mm) through 6 in (150 mm)
- G4B – 1/2 (5 mm) through 6 in (150 mm)
- TSG4 – 1 in (25 mm) through 3 in (75 mm)

A Typical Characteristic Curve for EG4 V-Port Valves



Refer to the Durco Technical Manual for valve and actuator sizing.



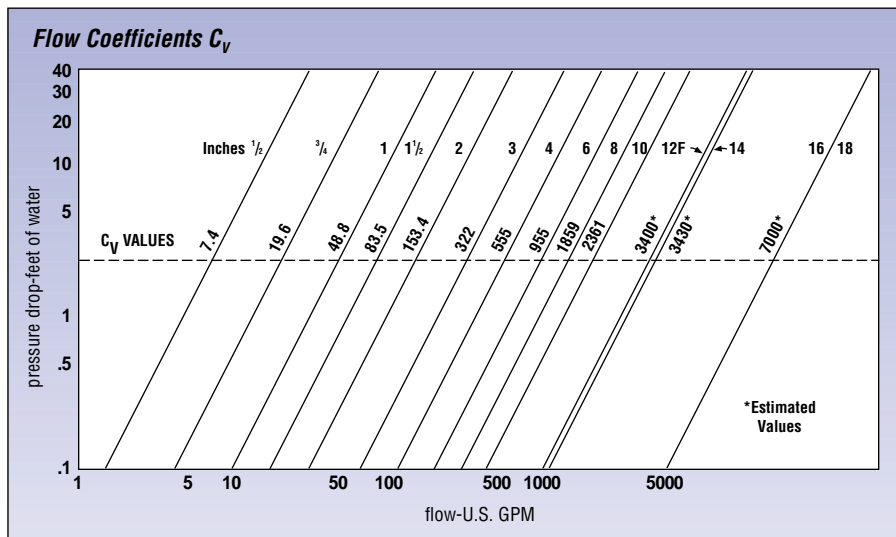
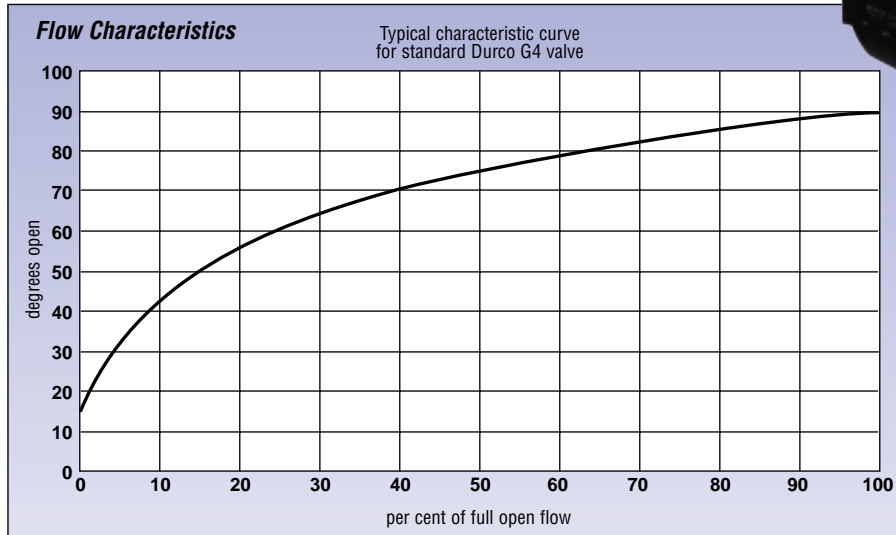
Actuation Options For SleeveLine Valves

Manual Operation

All Durco SleeveLine valves are fitted with a hand wrench as standard for manual operation. A gearbox option is also available for valve sizes 4 in (100 mm) and above.

Actuation

The Flowserve Automax® operation is a specialist in valve automation systems offering rack and pinion, heavy-duty and electric actuators along with positioners, limit switches, engineered special control circuits and related accessories.



Average Turning Torque Ft-Lbs* (Joules)

Valve Size in (mm)	Torque At Plug Stem	Torque At Gear Wheel
1/4 (5)	3.0 (4.0)	—
3/8 (10)	3.0 (4.0)	—
1/2 (15)	3.0 (4.0)	—
3/4 (20)	3.0 (4.0)	—
1 (25)	7.0 (9.4)	—
1-1/2 (40)	8.0 (10.8)	—
2 (50)	13.0 (17.5)	—
3 (75)	19.0 (25.6)	—
4 (100)	54.0 (72.9)	5 (6.7)
6 (150)	140.0 (189.0)	8 (10.8)
8 (200)	306.0 (413.0)	16 (21.6)
10 (250)	580.0 (783.0)	35 (47.3)
12 (300)	610.0 (827.0)	16 (21.6)
14 (350)	610.0 (827.0)	16 (21.6)
16 (400)	1170.0 (1587.0)	18 (24.4)
18 (450)	1170.0 (1587.0)	18 (21.4)

*Since starting or breakway torque is higher than turning torque, these values should not be used for actuator sizing. Consult your Durco Control Valve Manual or your Flowserve Sales Engineer for actuator sizing values.

All C_v values are measured in accordance with the Fluids Control Institute Standard 58-2.