



ENTECH CONTROLS

Manufacturers of Process Control Instrumentation

GLOBE CONTROL VALVE 2 - WAY SERIES GLB100

Line Globe Control Valve, controls Flow and Pressure drop while flow is thru' Inlet and Outlet chamber.

Application: To control range of Process parameters in

- Oil & Gas Industries
- Power Generation
- Pharmaceutical
- Petrochemical
- Processed Foods



Control Valve with Full Automation

Specifications:

DESIGN	ASME B16-34
VALVE SIZE	Globe type body. Sizes DN 15 to DN 300mm(1/2" to 12")
RATING	ANSI 150 to 2500 class.
END CONNECTION	Flanged/Screwed/Butt weld/Socket weld
FACE to FACE	ISA S.75.03 upto 600 class ISA S.75.16 above 900 class
BODY MATERIAL	WCB/WC6/WC9, CF8/CF8M/CF3M, Monel, Hestalloxy B/C, Alloy 20 etc
BONNET	Standard upto 250C, Extended Bonnet available
GLAND PACKING:	PTFE/Grafoil
TRIM:	Top Guided Contoured
TRIM MATERIAL	SS 304/316, Stellite-6, Alloy 20 etc
CHARACTERISTICS	Linear/ Equal Percentage/Quick Opening
SEAT LEAKAGE	As per FCI-70-2 (ANSI B 16.104), Class IV,V and VI
ACTUATOR TYPE	Diaphragm/Piston/Electric
ACTUATOR ACTION	Direct/Reverse/Double acting
AIR CONNECTION	Standard 1/4" NPT, Others available
HANDWHEEL	TOP / Side Mounted Handwheel
ACCESSORIES	Valve Positioner- Pneumatic/Electro-Pneumatic/Smart
(Optional)	Airset/Air Lock/Volume Booster Solenoid valve/Limit Switch/ Positioned Transmitter

The Inherent flow characteristic of a control valve is the relationship between the flow and the lift of the plug at constant pressure drop. The characteristic normally available are shown as below.

LINEAR

Flow is directly proportional to valve lift.

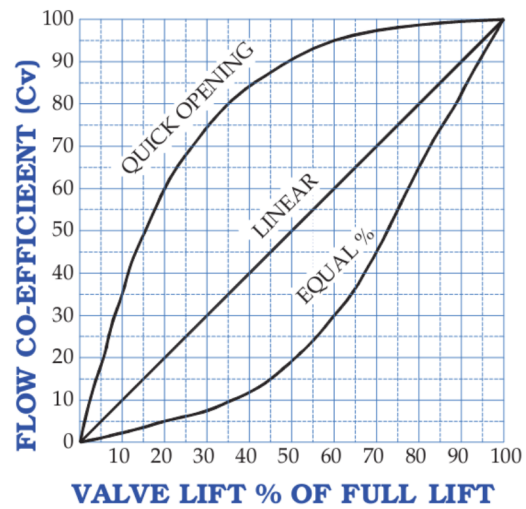
EQUAL%

Flow change by a constant percentage of its instantaneous value for each unit of valve lift.

QUICK OPENING

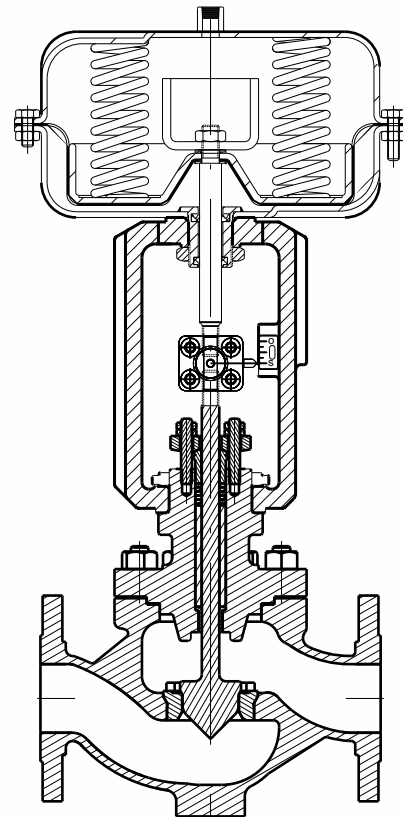
Flow increases rapidly with initial travel reaching near its maximum at a low lift.

CHARACTERISTIC CURVES



VALVE SIZING CO-EFFICIENT Cv RATING

VALVE SIZE		TRIM SIZE		CONTOURED TRIM	
Ins	mm	Ins	mm	Equal % & Linear	Quick Opening
1	25	1/2	15	5	5
		3/4	20	7	7
		1	25	13	13
1.1/2	40	1.1/2	40	30	35
		1.1/4	32	20	20
		1	25	13	13
2	50	2	50	50	55
		1.3/4	45	--	--
		1.1/2	40	30	35
2.1/2	65	2.1/2	65	90	95
		2	50	50	55
		1.3/4	40	--	--
3	80	3	80	118	125
		2.1/2	65	90	95
		2	50	50	55
4	100	4	100	220	225
		3.1/2	90	--	--
		3	80	118	125
6	150	6	150	450	470
		5	125	320	335
		4	100	220	225
8	200	8	200	625	700
		7	175	--	--
		6	150	450	470
10	250	10	250	925	930
		9	225	---	---
		8	200	625	550
12	300	12	300	1350	1420
		11	275	---	---
		10	250	925	990



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