



## V940 Series Globe Control Valves

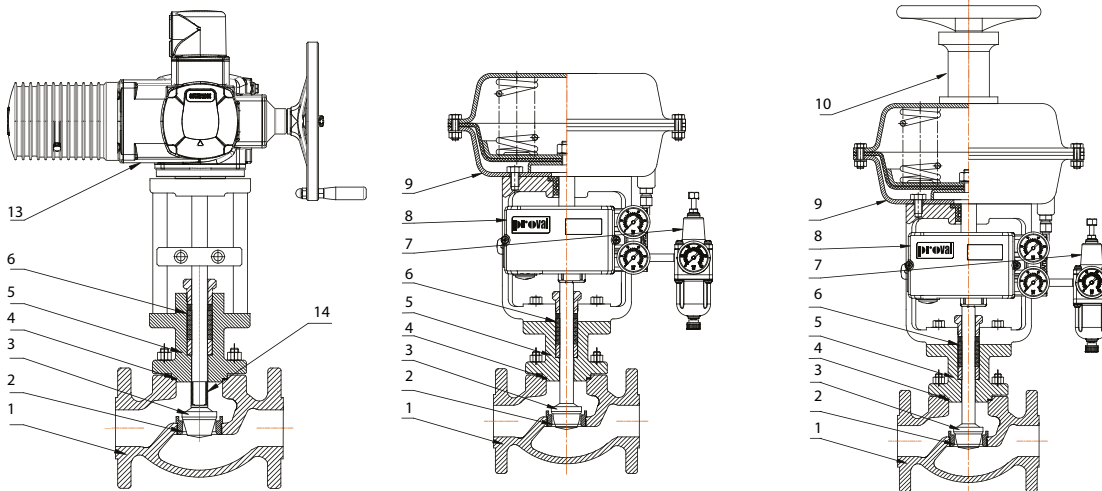
V940 Globe control valves are used to precise temperature, pressure, flow and level control of services such as gases, liquids and steam.

### Technical Specifications

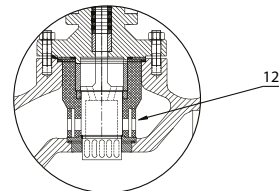
<b>Body Material and Pressure Rating</b>	GG25 Cast Iron (PN16)	<b>Packing Material</b>	PTFE ≤ 200°C
	GGG40 Ductile iron (PN16)		PTFE+Graphite ≤ 250°C
	1.0619 / GS-C25 / WCB Steel (PN16, PN25, PN40, PN63, PN100)		Pure Graphite ≤ 500°C
	4308 / 1.4408 / 1.4571 Stainless Steel (PN16, PN25, PN40, PN63, PN100)		
<b>Trim Flow Characteristics</b>	Equal Percentage (EQP)	<b>Leakage Rate</b>	Class IV
	Linear (UN)		Class V
<b>Max Supply Pressure</b>	3.5 bar		Class VI
		Digital-Analog Positioners	
		Filter-Regulator Units	
		Solenoid Valves	
		O-C Limit Switches	
		Lock-Up Valves	
		Volume Booster	



### Material List



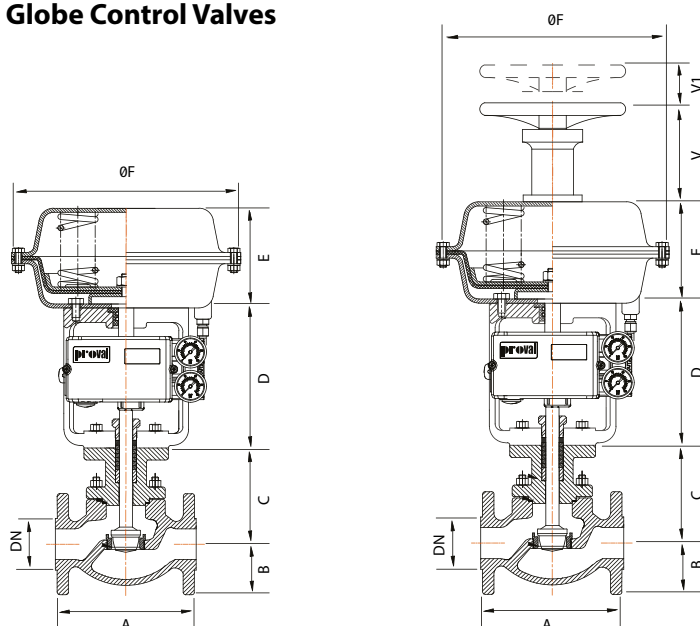
No	Part Name	Material Options
1	Body	GG25 / GGG40 / 1.0619 / 1.4308 / 1.4408
2	Seat	Stainless Steel
3	Plug	Stainless Steel
4	Body Seat	PTFE / Graphite / Graphite+SS
5	Cap	GG25 / GGG40 / 1.0619 / 1.4308 / 1.4408
6	Packing	PTFE / PTFE+Graphite / Graphite
7	Filter Regulator	-
8	Positioner	-
9	Pneumatic Actuator	-
10	Handwheel	-
11	Balancing Ring	PTFE / Graphite
12	Cage	Stainless Steel
13	Electrical Actuator	-
14	Bellow Seal	Stainless Steel



Optional Cage Seat-Plug Design



## V940 Globe Control Valves



### Flow Control (Kv) Figures and Dimensions (mm)

Size (DN)	15	20	25	32	40	50	65	80	100	125	150	
Kv (m <sup>3</sup> /h)	Equal Percentage	2,5	4	6,4	11	16	26	45	52	92	154	237
	Linear	2,5	4	6,4	11	16	26	45	52	92	154	237
Dimensions (mm)	A (≤PN40)	130	150	160	180	200	230	290	310	350	400	480
	A (PN63, PN100)	210	230	230	260	260	300	340	380	430	500	550
	B (≤PN40)	47,5	52,5	57,5	70	75	82,5	92,5	100	118	135	150
	B (PN63)	52,5	65	70	77,5	85	90	102,5	107,5	125	147,5	172,5
	B (PN100)	52,5	65	70	77,5	85	97,5	110	115	132,5	157,5	177,5
	C (≤PN40)	49	58	68	70	82	86	111	135	160	195	230
	C (PN63, PN100)	63,2	74,9	87,8	90,3	105,8	111	143,3	174,2	206,5	251,7	296,9
	D	147	147	147	147	160	160	160	160	204	405	405
	V	166	166	166	166	166	166	166	166	166	166	166
V1	11	11	11	19	19	19	28	28	28	42	42	

Notes : The Kv values given above express flow rates in m<sup>3</sup>/h with a pressure drop of  $\Delta p$  1 bar .

### Actuator Dimensions (mm)

Actuator Size	T200	T350	T600	T900	T1500
E	80	130	170	170	280
Ø F	200	290	365	470	600

### Standard Flow Valves-Maximum Allowable Pressure Drop $\Delta p$ (Kg/cm<sup>2</sup>)

Actuator Size	Supply Pressure	DN 15	DN 20	DN 25	DN 32	DN 40	DN 50	DN 65	DN 80	DN 100	DN 125	DN 150
T200	0.8-2.4 bar	97,8	45,5	23	10,3	4,2	1,2	-	-	-	-	-
T350		-	-	76,9	43,7	25,9	15,2	7	3,9	2,1	0,8	0,2
T600		-	-	-	80,6	49,1	29,8	15,3	9,2	5,5	2,9	1,5
T900		-	-	-	-	-	57,1	31,2	19,6	12,1	7,1	4,4
T1500		-	-	-	-	-	-	61	39,3	24,7	15,1	10

### Notes :

- The values given above are referred to the force of actuator and they can be used within the limit of the body rating.
- The actuator  $\Delta p$  (Kg/cm<sup>2</sup>) values given in the column 6-30 PSI are also valid for On/Off Valves with air supply at 30/35 PSI

