V940 Glob Control Valves

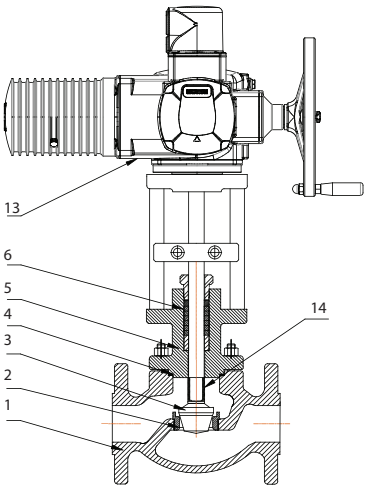
V940 Globe control valves are used to precise temperature,pressure,flow and level control of services such as gases,liquids and steam.

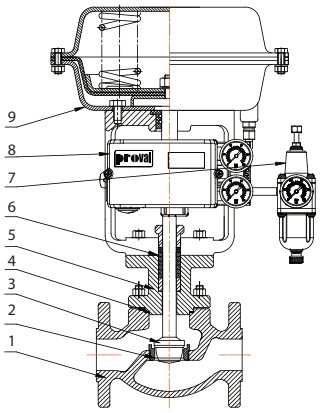
Technical Specifications

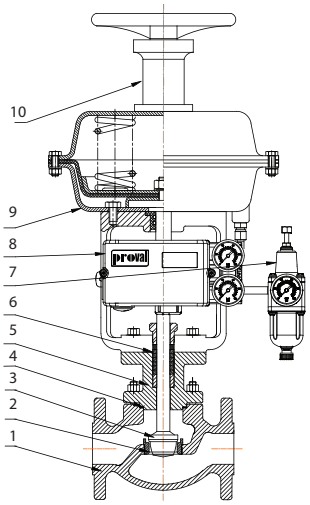
Body Material and Pressure Range	GG25 Cast Iron (PN16)
	GGG40 Ductile Iron (PN16)
	1.0619 / GS-C25 / WCB Carbon Steel (PN16, PN25, PN40, PN64, PN100)
	.4308 / 1.4408 / 1.4571 Stainless Steel (PN16, PN25, PN40, PN64, PN100)
Plug Type	Equal Percentage (EQP)
	Linear (UN)
Actuator Max Supply Pressure	3.5 bar

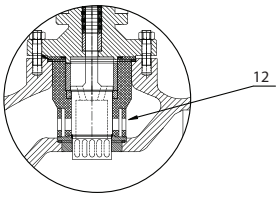
Packing Materials	PTFE ≤ 200°C
	PTFE+Graphite ≤ 250°C
	Pure Graphite ≤ 500°C
Seat / Leak Rate	Class IV
	Class V
	Class VI
Accessories	Digital-Analogue Positioners
	Filter Regulators
	Solenoid Valves
	Limit Switches
	Lock-Up Valves
	Volume Booster

Material List



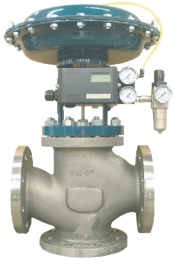


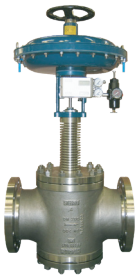




Opsiyonel Cage
Seat-Plug Design

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 / Grafit / 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 Actuaor	-
14	Bellow Seal	Stainless Steel





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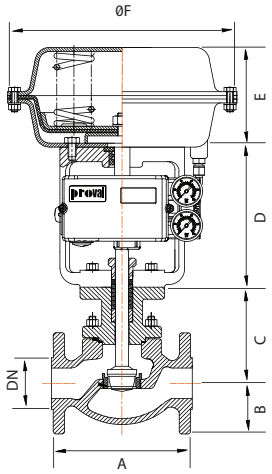

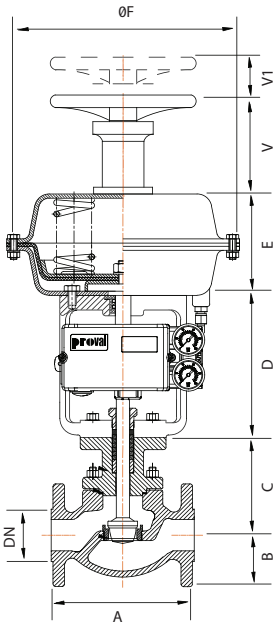

Flow Control (Kv) Figures and Dimensions (mm)

	Size (DN)	15	20	25	32	40	50	65	80	100	125	150
Kv (m^3/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 m3/h with a pressure drop of Δp 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 Δp (Kg/cm^2)

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 :

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