

FULL PROPORTIONAL VALVE CONTROL

For container ranging from 1 liter to 10 liters

TG & DTG Series – Technical Data



SMC Machine Model	Unit	5000TG	5000DTG	10000TG	10000DTG
General Specification					
Capacity / Article Size	ml	Up to 5000	Up to 5000	Up to 10000	Up to 10000
Carriage Stroke	mm	650	650	800	800
Clamping Force	kN	230	230	277	277
High Pressure	bar	150	150	180	180
Mould Dimensions (W x L x T)*	mm	630x400x260	630x400x260	780x400x260	780x400x260
Daylight Opening (Min/Max)	mm	250/650	250/650	250/650	250/650
Dry Cycle	sec	6	8	10	10
Extrusion Die Head Center Distance (CD)					
2 Cavities	mm	250	250	300	300
3 Cavities	mm	180	180	200	200
4 Cavities	mm	140	140	180	180
6 Cavities	mm	85	85	100	100
8 Cavities	mm	65	65	85	85
Extruder Unit with Inverter Drive					
Screw Diameter	mm	80	90	100	120
Length / Diameter Ratio	L/D	24	24	24	24
Number of Heating Zones	No.	3	5	5	5
Screw Speed (Max)	rpm	75	75	75	75
Hydraulic Unit					
Oil Tank Capacity	litre	550	600	550	600
Accumulator	litre	32+4	50+10	32+10	50+10
Energy Consumption with Inverter Drive					
Electric Screw Motor	kW	45	55	75	90
Main Drive Power	kW	22	45	45	45
Hydraulic Pump	gpm	30	48.64	30	48.64
Total Connected Load	kW	115.20	133.70	130.20	195.98
Average Power Consumption**	kW	57.60	80.22	78.12	117.58
Average Air Consumption	NL/min	1800	3600	2000	4000
Required Air Pressure (Min)	bar	6	6	6	6
Mould Cooling System (Chiller)	ton	7	10	10	10
Cooling System Pressure	bar	2-3	2-3	2-3	2-3
Hydraulic System Cooling**	kcal/hr	19000	23000	19000	23000
Machine Dimensions					
Machine Width***	mm	2725	3450	3100	4200
Machine Length***	mm	5300	5300	5300	6500
Machine Height***	mm	3500	3500	3500	3500
Machine Weight***	kg	12700	15000	14000	18500

Remark: *Mould dimension including the water cooling connection

**Final values may vary as all are made to order

***Machine dimension excluding auto-punch and accessories