

SUMA Plastic Machinery Co., Ltd

ISB Bottle Project



in ml	in mm			in gram	Raw Material	Estimated Cycle time in seconds
Bottle Volume	Height	OD	ID	Weight	Name	Speed
200ml	100	44	24	25.6	PET	18±2
500ml	140	66	24	36	PET	20±2
1000ml	180	101.5	24	57.3	PET	22±2

Machine Specification

SUMA

Saving ELEC. Power

MECHANICAL SPECIFICATION

40/85 iSB

SPECIFICATION		40	85
INJECTION UNIT			
Screw diameter	mm	45	60
Injection volume	cm ³ /shot	215	495
Injection stroke	mm	140	175
Plasticizing rate	cm ³ /s	24	50
Screw L/D ratio		22	22
CLAMPING UNIT			
Preform clamping	kN	230	540
Preform press stroke	mm	600	600
Blow mold clamping	kN	200	300
Blow press stroke	mm	130	150
Lip mold Max. center	mm	250	385
ENERGY REQUIREMENTS			
Low compressed air	bar	6~10	6~10
High compressed air	bar	20~35	20~35
Servo pump motor	kW	32.5	43
Heater	kW	8.2	16
MACHINE PROFILE			
L x W x H	m	4.2 x 1.4 x 3.1	4.8 x 1.8 x 3.2
Total weight	ton	7	10

PRODUCT DIMENSIONS		40 iSB						
SUMA		40 iSB						
Number of cavities		1	2	3	4	6	8	
Center			160	120	75	50	35	
Neck diameter	mm	80	60	35	24	18	18	
Body diameter	mm	100	100	80	65	40	28	
Height	mm	300	250	250	210	200	100	
Approximate capacity	ml	2000	1500	800	400	200	100	
SUMA		85 iSB						
Number of cavities		1	2	3	4	6	8	
Center			200	160	120	75	55	
Neck diameter	mm	100	90	70	50	35	24	
Body diameter	mm	120	120	120	110	65	45	
Height	mm	300	300	300	300	260	210	
Approximate capacity	ml	3000	2500	2000	1500	800	250	

- ◆ Power Consumption: 32 KW/hour includes peripherals
- ◆ Maximum Cavities: 4 CAV.
- ◆ Maximum productivity (output qty): 6,720,000 PCS/Year
- ◆ Energy Saving System: 50-60% electricity saving



SUMA

YOUR BEST CHOICE

85 iSB Injection Stretch
Blow Molding Machine



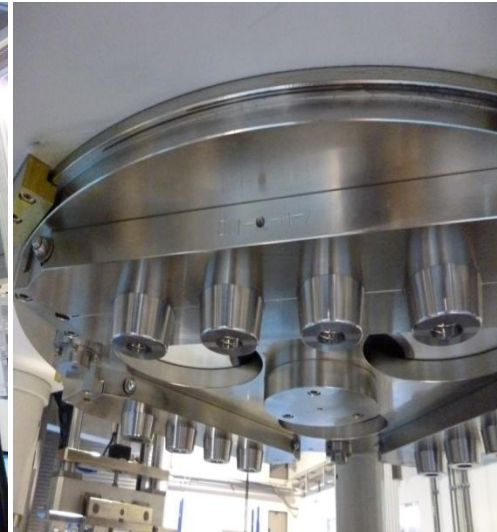
SAVE YOUR MONEY

Energy Saving
Material Saving
Cost Saving

Mould Specification

SUMA

Mold Consists of		
Item	Description	Material
1	Preform core	420 stainless Steel
2	Preform mold	420 stainless Steel
3	Lip mold	420 stainless Steel
4	Blow core	420 stainless Steel
5	Ejection core	P20
6	Blow mold	420 stainless Steel
7	Bottom mold	420 stainless Steel
8	Plate for neck mold	P20
9	Stretch rod	SKD61



Dehumidifying Dryer -Drymax Aton2

Specification & Item: F70-200 BS/6

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| <ul style="list-style-type: none"> ● 1 Cekon 16A plug for hopper loaders(BS/6 system). ● Second Cekon 16A plug for Silmax compact only for non-drying hopper execution ● CAN-Bus plug for data exchange and Silmax compact connection. ● Air connections for process- and return air DN 60 ● Minimal process air temperature: 60 °C* (140 °F)
maximal process air temperature: 130 °C (266°F) ● Colour: twin coloured RAL7047 / RAL3004 (tele grey 4 / maroon) . ● Dew point up to -65 °C (-85 °F). ● Process air @ 60 Hz: 84 m³/h (49 cfm) @ 50 Hz: 70 m³/h (41 cfm) | <ul style="list-style-type: none"> ● Process heater output: 3 kW. ● Process heater location: hopper ● Regen. heater: 2 kW. ● Power supply plug: CEE32 ● Electrical power supply: 208V or 400V /3Ph.;N;50/60 Hz ● Hopper size: 200 ltr. (7.06 cu.ft). ● No. of Imm feeding: 1.1 ● Imm loader volume: 3 ltr./cycle. ● No. of drying hopper feeding: 1. ● Hopper loader volume: 15 ltr./cycle. ● CVTA DN40-1 : 1PC. CVTA ● filter clog alarm for return air filter ● return air cooling coil for Drymax E 60 / F 70 / F 120. ● process air cooler for Drymax E 60 / F 70 / F 120 ● process air temperature enabled up to 180 °C. ● additional price for separate alarm light and buzzer (92dB). |
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WATER CHILLER

Specification:

- Ice Water Temperature: 5-25 °C
- Refrigerating Capacity: 15575 Kcal/ H
- Compressor Horsepower: 5 HP
- Pump horsepower: 3 HP
- ICE Water Flow: 50-220 L/ min
- ICE Water Pressure: 4.6~3.3 Bar
- Dilatation Water Tank: 80 Liter
- Ice Water Fitting Pipe: 1 – 1/4 inch
- Cooling Water Fitting Pipe: 1 inch
- Freon: R22
- Size: L 90* W 58* H 116 (cm)
- Weight: 250 Kg
- Power consumption: 2kW