



Flu-tech

An ISO 9001 : 2008 Company

Since 1985

Another Innovative Product in

Silver Jubilee Year

Extrusion Blow Moulding Machine

Super
Blaster



High Out Put Energy Efficient Machine



Cert. No.6708QMS001

Specification of FBM Series Blow Moulding Machines

A	Machine	Unit	FBM-10	FBM-20	FBM-30	FBM-60	FBM-120	FBM-200
1	Max. Volume of article	LTR	10	20	30	60	120	210
2	Min. Mould Thickness	MM	310	310	410	610	710	810
3	App. Weight of M/c.	KG	6000	8000	12000(15000)	16000	22000	35000
B Clamp Unit With Bar Less Design								
1	Max. Clamp Force	MT	10	13 (16)	25	40	70	90
2	Platen Size (HxV)	MM	500 X 500	600 x 600	700 X 800	800 X 800	900 X 900	1000X1000
3	Min. Daylight	MM	300	300	400	600	700	800
4	Max. Daylight	MM	700	900	900	1200	1400	1700
5	Clamp Stroke	MM	2 X 200	2 x 300	2 X 250	2 X 300	2 X 350	2 X 450
C Extruder - Grooved Type								
1	Screw dia.	MM	50	65	65(90)	90	90	120
2	L/D Ratio	-	24	24	24	24	24	24
3	Screw Speed	RPM	20-200	12 x 125	12-125(10-90)	10-90	10-90	6-60
4	Plasticizing Capacity in HDPE	KG/HR	45	60 (90)	100 (150)	150	230	375
5	Drive Motor	KW	11	11 (22)	22 (37)	37	45	110
6	Height Adjustment Manual(Motorised)	MM	200	200	300	300	400	400
7	Lateral Adjustable-Manual	MM	100	100	150	150	150	150
8	Cross Adjustable Manual	MM	±20	±20	±20	±20	±20	±20
9	Feed Zone Cooling Pump	KW	0.15	0.15	0.15	0.15	0.15	0.25
10	Heating Load	KW	5.5	7.85	18.5 (22.5)	22.5	22.5	27.3
D Accumulator Head With Melt Pressure Sensor Mounting Arrangement-FIFO Type								
1	Capacity	LTR	1.6 (2.5)	2.5	2.5 (4)	6.3	12	20
		KG	1.4 (2.3)	2.3	2 (3.2)	5.2	9.6	16
2	Max. Die Core	MM	150 (250)	250	150 (250)	350	350	400
3	Heating Zone	-	4	4	4	4	4	5
4	Support Air Provision	-	YES	YES	YES	YES	YES	YES
5	Parison Control	POINTS	5 (200)	5(200)	5 (200)	5 (200)	200	200
		MAKE	YUKEN (Moog/ Beckhof/B&R)	YUKEN (Moog/ Beckhof/B&R)	YUKEN (Moog/ Beckhof/B&R)	YUKEN (Moog/ Beckhof/B&R)	Moog/ Beckhof/B&R	Moog/ Beckhof/B&R
6	Heating Load	KW	7.5 (19.7)	19.7	7.5 (19.7)	24	28	40.17
E Hydraulic								
1	Mould & Push Out	KW	9.3	11	22	30	37	45
2	Auxiliaries	KW	-	-	3.7	5.5	7.5	7.5
3	Parison Control	KW	3.7	3.7	5.5	5.5	7.5	11
4	Cooling & Filtration	KW	0.37	0.37	0.37	0.55	0.75	1.1
5	Oil Tank Capacity	LTR	200+60	200+60	500+60	700+60	800+80	1000+100
F Control Panel								
G Power Supply								
1	Rating		A.C. 415 V ±5%, 50 Hz, 3 Ph.					
2	Connected Load	81.1(113.8)	44	53.62(64.62)	81.1(113.8)	123.05	148.40	242.32
H Utilities								
1	Compressed Air Volume	LPM	200	400	600-800	800-1000	1500-1800	2000-2300
2	Air Pressure	BAR	7	7	8	8	8	8
3	Normal Water @ 5 Bar	LPM	30	30	60	80	105	130
4	Chilled Water @ 5 Bar	LPM	50	60	120	140	160	180

() Dimension are Optional

* Specifications subject to change without prior Notice due to continuous R & D

* Higher Capacity Models upto 2000 Litre under Development

Standard Features

Super
Blaster

- Tie Bar less clamp unit
- Clamp unit traversing by hydraulic cylinder
- Higher Clamping force with rigid G- Frame
- Both side Rack Pinion for platen synchronization
- Hydraulic Stretching unit with double stroke blow pin operation
- Guide Bar for platen
- Grooved Barrel with intense feed zone cooling with special water pump
- Normal and chilled water pipe connections with ball valves
- Water Cooling Manifold on platens with 6- 10 channels with temperature and pressure indications and ball valves.
- Carriage unit traversing to bring forward the article
- Grooved Barrel extruder with VFD of ABB make having 150% over load capacity for one minute
- Spherical Roller Thrust bearing with B10 life of 40000 Hours
- Extruder plate form with self adjusting ladder
- Guards for carriage wheel with wipers
- Bellows for carriage cylinder rod and racks
- Peppler + Fuchs Proximities
- Linear Transducers for mould and push out stroke.
- Siemens Limit Switches
- Digital pressure transducer for blowing with purging cycle
- Digital pressure transducer for clamp pressure
- Extruder drive motor cooling fan safety
- Fixed Volume pump with PQ block control
- Power Controlled SSR for heaters for energy saving
- Bosch Rexroth / Yuken Hydraulics



Clamp Uhit



Extruder

Optional Features

- LM Guide for Platens
- Article Take out Robot
- Photo cell for parison length
- Un-Screwing Blow Pin
- Pneumatically Operated Safety Gate
- Hydraulic Oil Level and Temp. Sensor
- Electronic Controlled Variable Axial Piston Pump in place of PQ block and Fixed volume pump for higher energy saving up to 45%
- Hydraulic Pipe Bursting Protection
- PU Paint
- Stretching Unit Height Adjustment thru hydro motor
- Servo Driven Hydraulic Pump Drive for Energy Saving above 45%
- Electronic Safety Curtain



Operating Panel

Other Products :

Plastic Injection Moulding Machines | Compression Moulding Presses



Manufactured by :



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Since 1985

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