

DATA SHEET

UA600-UA800-UA1200



UA SERIES ACCUMULATOR HEAD BLOW MOLDING SYSTEMS

SPECIFICATIONS CANNOT TELL THE WHOLE STORY

- MODULAR CONSTRUCTION:** Enable the perfect fit of extruder, head and clamp to meet your process needs.
- FINITE ELEMENT ANALYSIS (FEA) OPTIMIZED CLAMP:** Tested using powerful simulation software to ensure the highest possible rigidity and reduce or eliminate deflection.
- ENGINEERED FOR A WIDE RANGE OF RESINS AND SHOT SIZES:** Heads are available to suit many shot sizes and accommodate many resin types.
- GROOVED FEED EXTRUDER:** Unique design increases through 25-35% and improves.

MACHINE CONFIGURATION SIZES	UA600	UA800	UA1200
Maximum Configuration Length in. (mm)	285 (7239)	332 (8433)	350 (8890)
Maximum Configuration Width in. (mm)	207 (5258)	255 (6477)	310 (7874)
Maximum Configuration Height in. (mm)	Dependent on head selection - Consult Factory		
Maximum Configuration Weight lbs (kg)	56,400 (25,582)	67,870 (30,785)	98,750 (44,792)
HYDRAULIC POWER UNIT SPECIFICATIONS	UA600	UA800	UA1200
Electric Motor hp (kW)	25 (18.6)	5 (2.3)	8 (3.6)
Operating Pressure psi (bar)	2800 (197)	2800 (197)	2800 (197)
Reservoir Capacity gal (L)	100 (378)	100 (378)	160 (605)
Electrical Load amps	31	31	75
POWER/ AIR/ WATER REQUIREMENTS	UA600	UA800	UA1200
Connecting Electrics V/ PH/ HZ	460/ 3/ 60	460/ 3/ 60	460/ 3/ 60
Control Voltage V-dc	24	24	24
Air (machine only) CFM	12	12	12
Water Flow (machine only) GPM	30	30	30
Water Temperature (machine only) deg F	85	85	85
Water Pressure (machine only) psi	35	35	35
MODEL DATA	UA600	UA800	UA1200
Maximum Head Size - Single lb	S15	S30	S40
Maximum Head Size - Dual lb	D8	D15	D25
Extruders - Standard mm	Single 90 S/G	Single 90 S/G	Single/ Dual 120 S/G
Extruders - Optional mm	N/A	Single 120 S/G	Single 150 S/G

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MACHINE SPECIFICATIONS

CLAMP SPECIFICATIONS	UA600	UA800	UA1200
Clear Platen Area (WxL) in (mm)	48x40 (1219x1016)	52x52 (1320x1320)	62x62 (1574x1574)
Clamp Force tons (kN)	67 (596)	88 (800)	140 (1245)
Head Centers Dual in (mm)	24 (610)	26 (660)	30 (762)
Clamp Stroke in (mm)	35 (889)	40 (1016)	50 (1270)
Shut Height Minimum w/ PTO in (mm)	16 (406)	16 (406)	16 (406)
Shut Height Minimum w/o PTO in (mm)	10 (254)	10 (254)	16 (406)
Daylight Maximum in (mm)	45 (1143)	50 (1270)	66 (1676)
Adjustment Along Extruder Axis (Manual) in (mm)	+/-4 (102)	+/-4 (102)	+/-4 (102)
Adjustment from Side to Side (Manual) in (mm)	+/-2 (51)	+/-2 (51)	+/-2 (51)
Head Height Adjustment via Upper Platform in (mm)	13 (330)	28 (711)	28 (711)
Tie Bars qty	2	2	4
Platens each	3	3	3
Clamp Close Velocity in/s (mm/s)	0-25 (635)	0-25 (635)	0-25 (635)
Clamp Close Velocity Settings qty	5	5	5
Clamp Open Velocity in/s (mm/s)	0-25 (635)	0-25 (635)	0-25 (635)
Clamp Open Velocity Settings qty	4	4	4
Clamp and Tooling Access	side load	side/ roll out option	side/ roll out option
Mold Weight Maximum (x1,000) lb (kg)	5 (2.3)	5 (2.3)	10 (4.5)

FIXED SPIRAL ACCUMULATOR HEAD	5-FS-8	8-FS-10	10-FS-14	15-FS-14	15-FS-17	25-FS-17	30-FS-24	40-FS-24
Capacity - Weight 0.3 HDPE lb (kg)	5 (2.3)	8 (3.6)	10 (4.6)	15 (6.8)	15 (6.8)	25 (11.4)	30 (13.6)	40 (18.2)
Capacity - Volume cu in (L)	188 (3.1)	315 (5.1)	400 (6.6)	560 (9.2)	560 (9.2)	950 (15.6)	1166 (19.1)	1564 (25.6)
Die Diameter - Maximum in (mm)	8 (203)	10 (254)	14 (356)	14 (356)	17 (432)	17 (432)	24 (610)	24 (610)
Die Diameter - Minimum in (mm)	0.75 (19)	3 (76)	5 (127)	5 (127)	6 (152)	6 (152)	9 (229)	9 (229)
Electrical FLA amps	29	37	38	38	40	47	85	91

Notes: 1. Periodic design improvements may alter specifications
2. All dimensions and weights are subject to change without notice

3. Consult Factory for exact dimensions for a specific machine
4. Other configurations are available upon request

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MACHINE SPECIFICATIONS

MOVING SPIRAL ACCUMULATOR HEAD	3-MS-8	5-MS-8	8-MS-10	10-MS-12	15-MS-12
Capacity - Weight 0.3 HDPE lb (kg)	3 (1.5)	5 (2.3)	8 (3.6)	10 (4.6)	15 (6.8)
Capacity - Volume cu in (L)	113 (1.8)	188 (3.1)	306 (5.0)	400 (6.6)	506 (9.2)
Die Diameter - Maximum in (mm)	8 (203)	8 (203)	10 (254)	12 (305)	12 (305)
Die Diameter - Minimum in (mm)	2 (51)	2 (51)	3 (76)	3 (76)	3 (76)
Electrical FLA amps	22	29	37	37	37

EXTRUDER SINGLE OR DUAL(S/D)	90S (S/D)	90G (S/D)	120S (S/D)	120G (S/D)	150S (S)	150G (S)
Screw Diameter (mm)	90	90	120	120	150	150
Effective Screw Length L:D	25:1	28:1	25:1	28:1	25:1	28:1
Motor and Drive Available hp	100/125/150	100/125/150	200/250	200/250	300/400	300/400
Screw Speed rpm	85/100/132	85/100/132	71/85	71/85	62/83	62/83
Extruder Melt Output (0.3 MI HDPE) lb/hour	500/600/700	600/700/900	900/1050	1200/1400	1300/1500	1700/2100
Heat Zones	5	5	5	5	5	5
Electrical Drive FLA	120/150/170	120/150/170	235/285	235/285	390/500	390/500
Electrical Heat Zones FLA	63	63	94	94	150	150



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