

DATA SHEET

UA75-UA90



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	UA75	UA90
Maximum Configuration Length in. (mm)	171 (4343)	233 (5918)
Maximum Configuration Width in. (mm)	52 (1320)	115 (2921)
Width with Side Take Out in. (mm)	125 (3175)	195 (4953)
Maximum Configuration Height in. (mm)	Dependent on head selection - Consult Factory	
Maximum Configuration Weight lbs (kg)	25,000 (11,340)	35,000 (15,875)
HYDRAULIC POWER UNIT SPECIFICATIONS	UA75	UA90
Electric Motor hp (kW)	75 (55.9)	125 (93.2)
Operating Pressure psi (bar)	2000 (140)	2000 (140)
Reservoir Capacity gal (L)	200 (757)	300 (1135)
Electrical Load amps	90	143
POWER/ AIR/ WATER REQUIREMENTS	UA75	UA90
Connecting Electrics V/ PH/ HZ	460/ 3/ 60	460/ 3/ 60
Control Voltage V-dc	24	24
Air (machine only) CFM	12	12
Water Flow (machine only) GPM	20	20
Water Temperature (machine only) deg F	85	85
Water Pressure (machine only) psi	35	35



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MODEL DATA	UA75	UA90
Maximum Head Size - Single lb	8	S15
Maximum Head Size - Dual lb	D3	D8
CLAMP SPECIFICATIONS	UA75	UA90
Clear Platen Area (WxL) in (mm)	26x39 (660x990)	40x37 (1016x940)
Clamp Type	Toggle	Toggle
Clamp Force tons (kN)	50 (445)	50 (445)
Head Centers Dual in (mm)	12 (305)	20 (508)
Clamp Stroke in (mm)	20 (508)	20 (508)
Shut Height Range in (mm)	15-20 (381-508)	15-20 (381-508)
Daylight Maximum Range in (mm)	35-40 (889-1016)	35-40 (889-1016)
Head Adjustment Along Extruder Axis in (mm)	+/- 2.5 (64)	+/- 6 (152)
Clamp Vertical Adjustment in (mm)	0	+/- 4 (102)
Tie Bars qty	4	4
Platens each	3	3
Clamp Close Velocity in/s (mm/s)	0-20 (508)	0-20 (508)
Clamp Close Velocity Settings qty	3	3
Clamp Open Velocity in/s (mm/s)	0-20 (508)	0-20 (508)
Clamp Open Velocity Settings qty	2	2
Clamp and Tooling Access	Bottom of Side Load	Head Axial Movement
Mold Weight Maximum (x1,000) lb (kg)	4 (1.8)	5 (2.2)

EXTRUDER SINGLE OR DUAL (S/D)	3.0S	3.5S	3.5G
Screw Diameter in (mm)	3 (75)	3.5 (90)	3.5 (90)
Effective Screw Length L:D	24:1	24:1	28:1
Screw speed Range rpm	6-125	6-125	6-78
Extruder Melt Output (0.3 MI HDPE) lb/ hour	375	550	Consult Factory
Heat Zones qty	3	3	3
Electrical Heat Zones FLA amps	31	38	63

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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MOVING SPIRAL ACCUMULATOR HEAD	1-MS-4	1.5-MS-5	2.5-MS-6	3-MS-8	5-MS-8	8-MS-10	10-MS-12	15-MS-12
Capacity - Weight 0.3 HDPE lb (kg)	1 (0.4)	1.5 (0.7)	2.5 (1.1)	3 (1.4)	5 (2.3)	8 (3.6)	10 (4.6)	15 (6.8)
Capacity - Volume cu in (L)	24 (0.4)	49 (0.8)	90 (1.4)	113 (1.8)	188 (3.1)	306 (5.0)	400 (6.6)	506 (9.2)
Die Diameter - Maximum in (mm)	3 (76)	5 (127)	6 (152)	8 (203)	8 (203)	10 (254)	12 (305)	12 (305)
Die Diameter - Minimum in (mm)	0.75 (19)	1 (25)	1.5 (38)	2 (51)	2 (51)	3 (76)	3 (76)	3 (76)
Electrical FLA amps	12	16	18	22	29	37	37	37

FIXED SPIRAL ACCUMULATOR HEAD	3-FS-8	5-FS-8	8-FS-10	10-FS-14	15-FS-14
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)	315 (5.1)	400 (6.6)	560 (9.2)
Die Diameter - Maximum in (mm)	8 (203)	8 (203)	10 (254)	14 (356)	14 (356)
Die Diameter - Minimum in (mm)	0.75 (19)	0.75 (19)	3 (76)	5 (127)	5 (127)
Electrical FLA amps	22	29	37	38	38



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