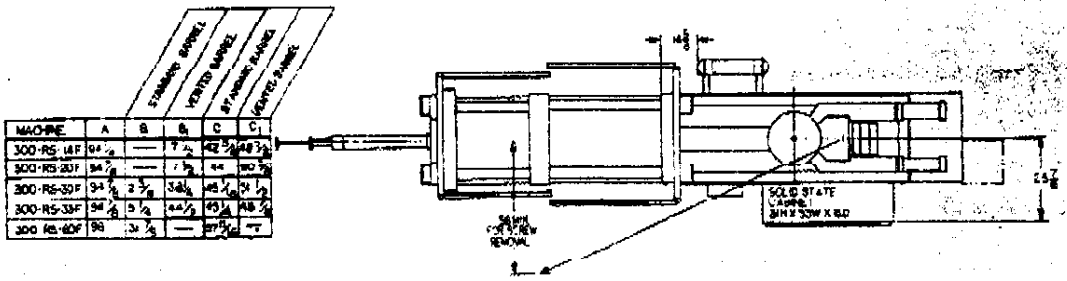
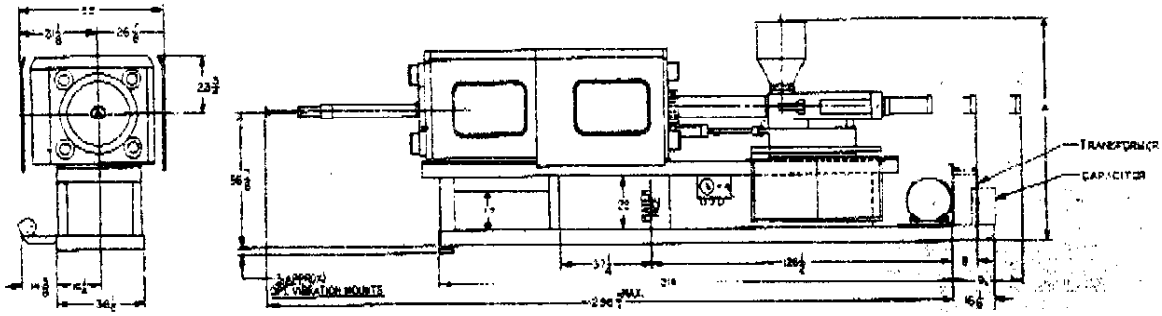
VAN DORN®

TOGGLE CLAMP
300-RS-14/20/30/35/60F



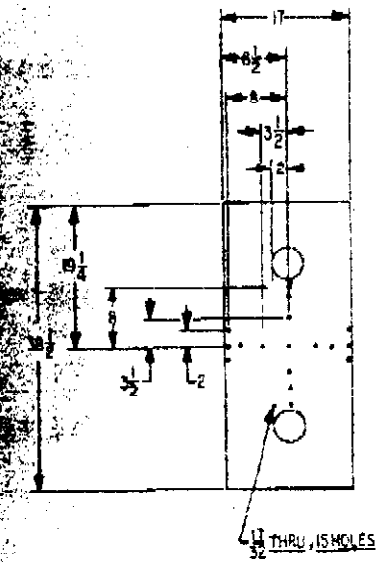


Injection Unit	14F	20F	30F	35F	60F
Inject Capacity—Calculated (cu. in.)	25.9	37.6	55.3	65.2	111.5
Inject Capacity—G.P. Polystyrene (Oz.)*	14	20	30	35	60
Recovery Rate—G.P.PS (oz./sec.)†	1.65	2.00	2.20	2.45	2.95
Injection Pressure—Max. (p.s.i.)	19,600	19,900	19,800	17,500	20,400
Inject Rate—at 10,000 p.s.i. (cu. in./sec.)	24.5	24.5	24.5	27.0	25.0
Inject Stroke (in.)	6.50	9.50	10.75	11.25	14.31
Screw Diameter (in.)	1.97	2.24	2.56	2.72	3.15
Barrel L/ft Ratio	20:1	20:1	20:1	20:1	20:1
Screw Speed Range (R.P.M.)	30-355††	30-300	30-235	30-235	30-200
Back Press. Adjust (screw rotating—p.s.i.)	75-300	75-300	75-300	75-300	75-300
General Specifications					
Pump Motor—Hydraulic System (HP)	50	50	50	50	75
System Pressure (p.s.i.)	2000	2000	2000	2000	2000
Total Heating Wattage (KW)	12.7	13.9	13.9	16.5	19.8
Number of Heat Control Zones	4	4	4	4	4
Comb. Pump Capacity (G.P.M. @100 p.s.i.)	68	68	68	68	71
Oil Capacity (Gal.)	160	160	160	160	160
Hopper Capacity (Lb.)	145	145	145	145	225
Machine Weight (Lb. approx.)	26,000	26,200	26,400	26,500	27,700
Machine Dimensions—Length (ft.)	21.0	21.0	22.0	22.3	23.0
—Width (ft.)	5.0	5.0	5.0	5.0	5.0
—Height (ft.)	7.5	7.5	7.5	7.5	7.9

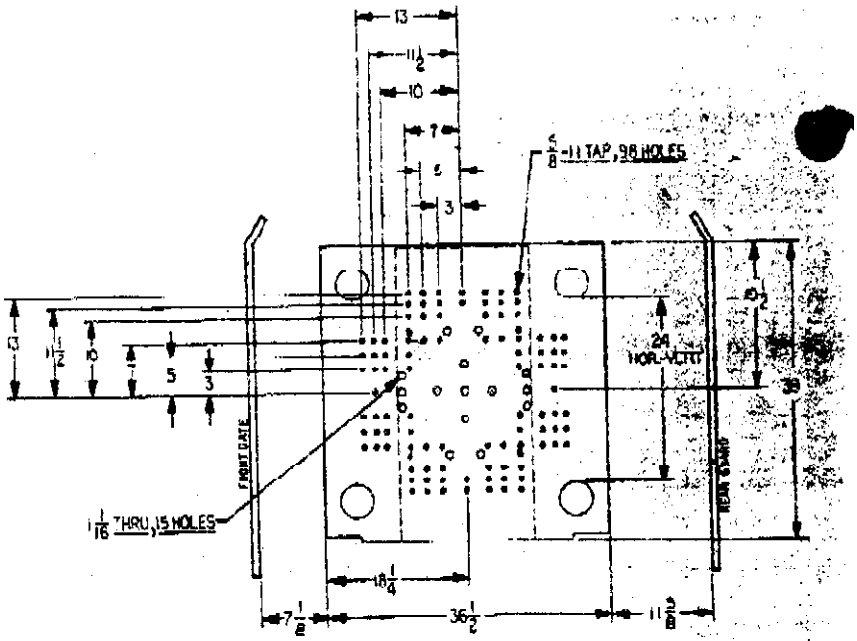
Clamping Unit	14-35F	60F
Clamp Force (tons)	300	300
Clamp Stroke—Adjustable (in.)	9-22	9-22
Open Daylight—Max. (in.)	46	46
Mold Thickness—Min./Max. (In.)	8-24	8-24
Platen Size-Standard—HxV (in.)	39 x 36½	39 x 36½
Dist. Between Rods—Std. HxV (in.)	24 x 24	24 x 24
Tie Rod Diameter (in.)	4.25	4.25
Clamp Speeds:		
Closing (in./sec.)	26.5	27.5
Opening (in./sec.)	33.5	35
Ejector Force (tons)	11.8	11.8
Ejector Stroke (in.)	6	6

*Dependent upon mold, material and conditions.
†Average value based on S.P.I. test procedures.
††Higher torque motor available with lower R.P.M. and recovery rate.

Since continuous improvement is Van Dorn's policy, we reserve the right to change specifications, designs and performance data without prior notice or obligation.



HYD. K.O. PLATE



MOVABLE PLATEN

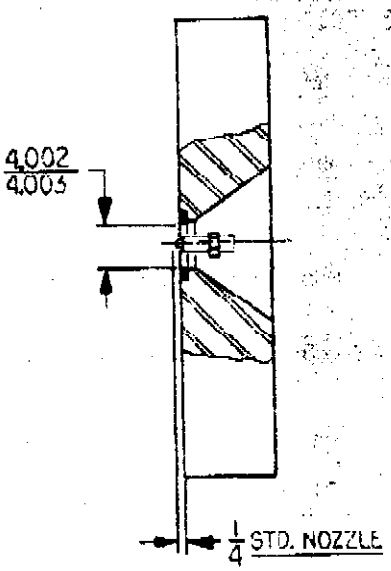
300-RS-14/20/30/35/60F

Van Dorn's fluid drive, or F-Series, toggle clamp machines feature hydraulically driven screws that generate high-quality homogeneous melts at high rates. Stable screw speeds and precise, infinitely variable back pressure control are features contributing to outstanding molding output.

Add faster set-ups, improved molding speeds and minimal maintenance and you have the injection molding capability molders identify with the name, Van Dorn.

STANDARD FEATURES

Large part removal clearance • Purge guard with interlock • Swing away material hopper • Integral-base drip pan • Full-floating hardened toggle pins • Automatic oil lubrication.



STATIONARY PLATEN

VAN DORN®

Committed to the future of plastics

VAN DORN PLASTIC MACHINERY CO., / A Division of Van Dorn Company

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