

MPi 56R CERAMIC PUMP

A custom designed, stand alone 20 gallon (76 liter) ceramic reservoir with the following design features:

- The reservoir and injection unit assembly will have the same dimensions, specifications, and volume as the 56-38, mounted vertically on wheels.
- There will be connection kits to connect to both additional ceramic injectors for hydraulics to operate the injection unit during transfer.
- When the reservoir is transferred to the machine for loading, the power will have to be from an external source from the machine.
- The wheeled stand will have electrical connections for plugging the unit into a wall outlet during filling and conditioning (agitating) the ceramic material as this is a self contained assembly.
- The stand will have temperature control for the injection unit assembly, reservoir, and the rigid piping when powered.
- The transfer of ceramic material will be through the use of rigid stainless steel piping. This piping will run vertically up to the top of the reservoir and will have a 90 degree swivel on the end to drop down over the reservoir.
- The refill assembly will cycle at 200 cu in per cycle. Flow control valve is adjustable.
- Another advantage will be the use of the injection unit or reservoir as spare parts for both the 38 ton and 100 ton injectors if needed.



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Model	56-38
Clamp Force	38 ton
Platen Speed Close Rapid	2.2 in./sec.
Platen Speed Close Slow	1.1 in./sec.
Platen Speed Open	2.2 in./sec.
A. Stroke	21 in.
B. Daylight Maximum	27 in.
C. Daylight Minimum	6 in.
D. Width of Platens	20 in.
E. Depth of Platens	26 in.
F. Nozzle In/Out Adjustment	4.25 - 12.25 in.
G. Nozzle Up/Down Adjustment	1.75 - 13.5 in.
H. Overall Height	104 in.
I. Overall Width	81 in.
J. Overall Depth	58 in.
K. Platen to Floor	39.5 in.
L. Work Area Width	36 in.
M. Work Area Depth	45.5 in.
Die Mount Holes	3/8 - 16
Ceramic Reservoir Capacity	20 gal.
Single Shot Capacity	200 cu. in.
Injection Pressure	50 - 1180 PSI
Injection Rate	0 - 9.6 cu. in./sec.
Injection Time	0 - 999 sec.
Injection Counter	19,999
Nozzle Tip	3/8 in. radius
Hydraulic Reservoir Capacity	24 gal.
Hydraulic Cooling Water	5 GPM @ 80°F
Electrical Standard	460V, 60Hz, 3ph
Power Requirement	9.8 KVA

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