

# VelociFlow™

HIGH PRESSURE ELECTRIC COOLANT PUMP FOR MACHINE TOOLS

## Increase Volume And Pressure Of Coolant Flow.

The VelociFlow™ High Pressure Electric Coolant Pump safely and efficiently pumps coolant into your machine tool, increasing volume and pressure for coolant-fed tooling applications. This high pressure cooling system can dramatically improve speeds and feeds without damage to the machine tool, the part, or tooling.

High pressure cooling systems outperform conventional flood cooling:

- Increased production efficiencies
- Longer tool life
- Improved surface finishes
- Better chip evacuation
- Swift, smooth flow of coolant to the cutting zone

The VelociFlow™ is the simplest, most economical way to maximize the full capability of advanced, coolant-fed tooling:

- Minimal maintenance
- Small footprint (19-5/8" W x 39-7/16" D)
- Completely self-contained
- Compatible with most high-quality coolants, both oil and synthetic mixtures
- Adaptable to coolant through the spindle, exterior flushing, and coolant rotary inducer
- Automatic overload protection
- Equipped with a dirty filter alarm circuit



### VelociFlow™ Accessories

VelociFlow™ comes complete with wheels, coolant hoses, filters, and electrical connecting components.



Everything Coolant-Fed!

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## VelociFlow™ Model 2500E Technical Information

- 10 gpm @ 1000 psi
- Dual pleated filters (10 Micron)
- Single “m” code controlled outlet
- Turret index signal

The VelociFlow™ is pressure-fed by the standard onboard transfer pump, through the filter vessel, to the inlet of the positive displacement pump.

**M Code Requirement:** A set of spare latching “m” codes will be required for activation/deactivation of the VelociFlow™. A 110 VAC or 24 VDC signal is needed. If your machine uses pulsed “m” codes please contact CFT Systems.

**Required Electrical Power:** 230 VAC or 440 VAC. Contact us for additional information.



**Ideal for machine tools up to 25 HP and with 40 or 50 taper mills.**

### Standard Features:

FEATURES	VELOCIFLOW™ MODEL 2500E
Max gpm	10 gpm
Max Pressure	1000 psi
Run Dry Pump	Standard
Transfer Pump	Standard
Single Filter	N/A
Dual Filters	Standard
Single Outlet	Standard
Adjustable Bar Valve	Standard
Error Signal Output	Standard
Dirty Filter Alarm Panel Light	Standard

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### About CFT Systems

CFT Systems, a George Whalley Company, is the world leader in coolant-fed innovations, including unique rotary-type coolant glands, coolant machine tool retrofit systems, and specialized holders and sealing devices for coolant-fed tooling. See our full line of products at [www.cftsystems.com](http://www.cftsystems.com).



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