

The EcoClean

Cyclonic Filtration

Unique Filtration Process

- ✓ Continuously filters the entire coolant supply
- ✓ 98% Efficiency
- ✓ 75lpm at 5um or 20lpm at 3um

Standard Features

- ✓ Unit Footprint: W-16"xL-22"xH-54" W-406 x L-559 x H-1372
- ✓ Unit Power to Spec 120v/230v/460v
- ✓ Power Requirement 1.8kva

Increase Your Bottom Line

- ✓ Superior filtration increases coolant life
- ✓ No filters to buy, store, or dispose of
- ✓ Removes ferrous, non-ferrous, and non-metallic particles
- ✓ Arrests bacteria growth
- ✓ Compact design saves space in your shop
- ✓ Virtually maintenance-free
- ✓ Improved pump life
- ✓ Longer machine tool life
- ✓ Fast return on investment



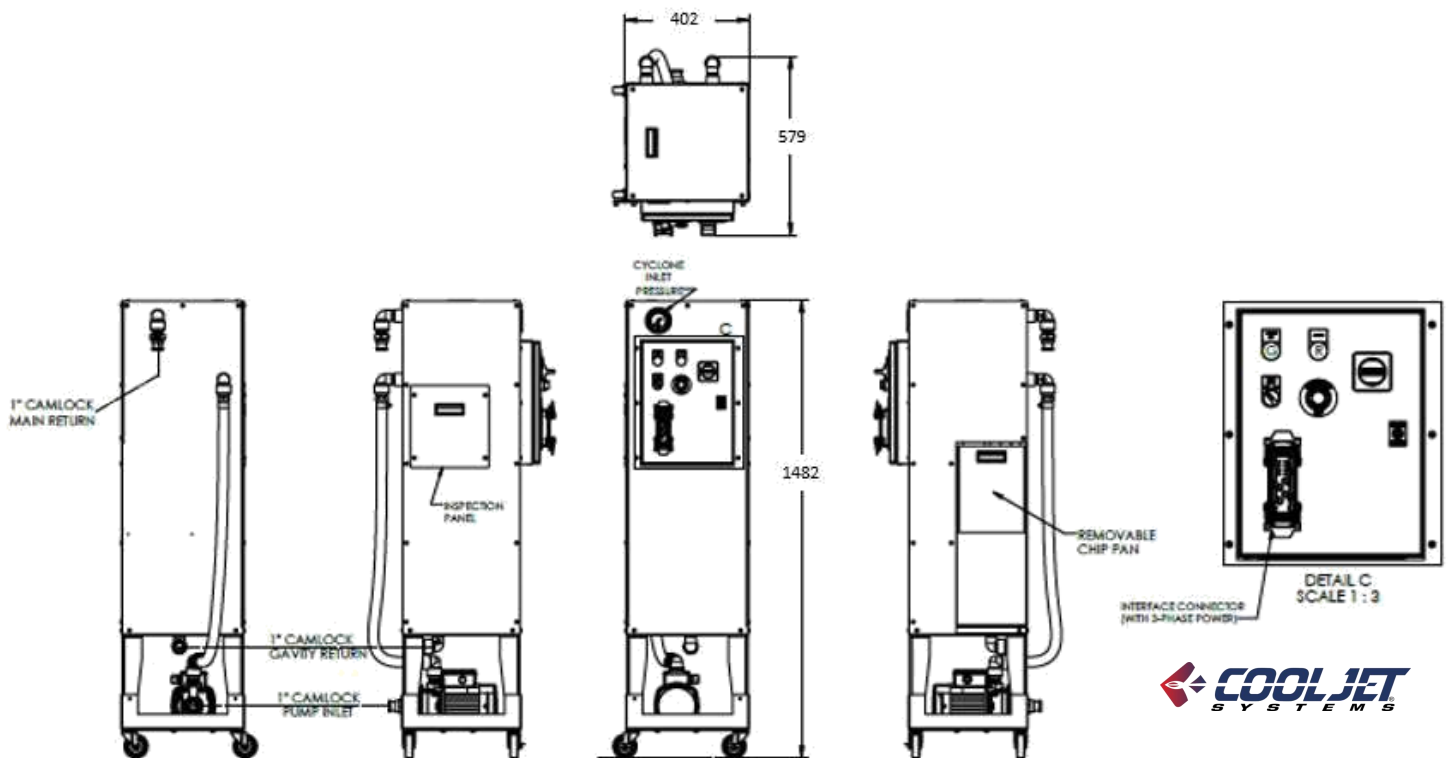
The EcoClean



Model	Volume and Pressure	Flow Type	Outlets	Filtration Type	Coolant Type
EcoClean 20	75lpm/1bar	Fixed	1	5 mm Cyclonic	Water Soluble
EcoClean 5	20lpm/1.4bar	Fixed	1	3 mm Cyclonic	Water Soluble

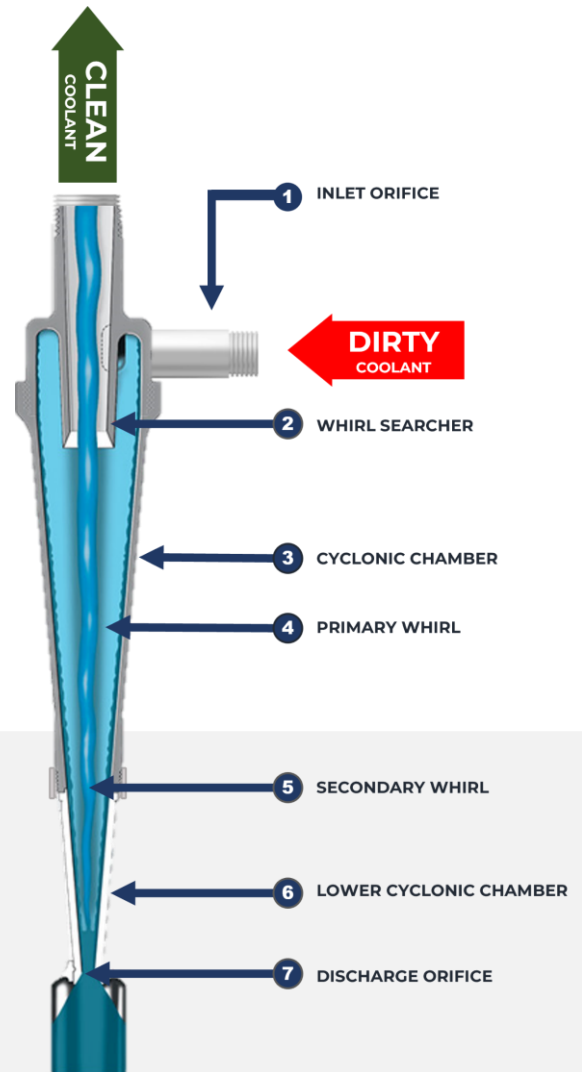
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How It Works

Dirty coolant enters the cyclone at the inlet orifice (1) of the cyclonic chamber (3). The shape and tangential location of the orifice develops a downward, spiraling flow of the coolant. This is called the primary whirl (4), which follows the chamber walls because of centrifugal force of up to 7500 times that of gravity. This same force spins out the solid particles to 5 microns or .00019" diameter from the coolant. The solid particles strike the wall and slide down to the discharge orifice (7). A throttling effect in the lower (ceramic) cyclonic chamber (6) reverses the descent of the coolant but not the rotation. This forms the secondary whirl (5), a rising, spiraling flow of cleaned coolant that passes up through the primary whirl to the whirl searcher (2).



Workholding: Ultimate Chuck | Air Chucks | Cylinders | Collet Chucks | Steady Rests | 5th Axis
Coolant Management: High-Pressure Filtration | Chillers | Mist Collection | MasterAll Fluids
Automation: Bar Feeders | Rotary Tables | Xcellerate | Tombstones | Trunnions | Indexers

