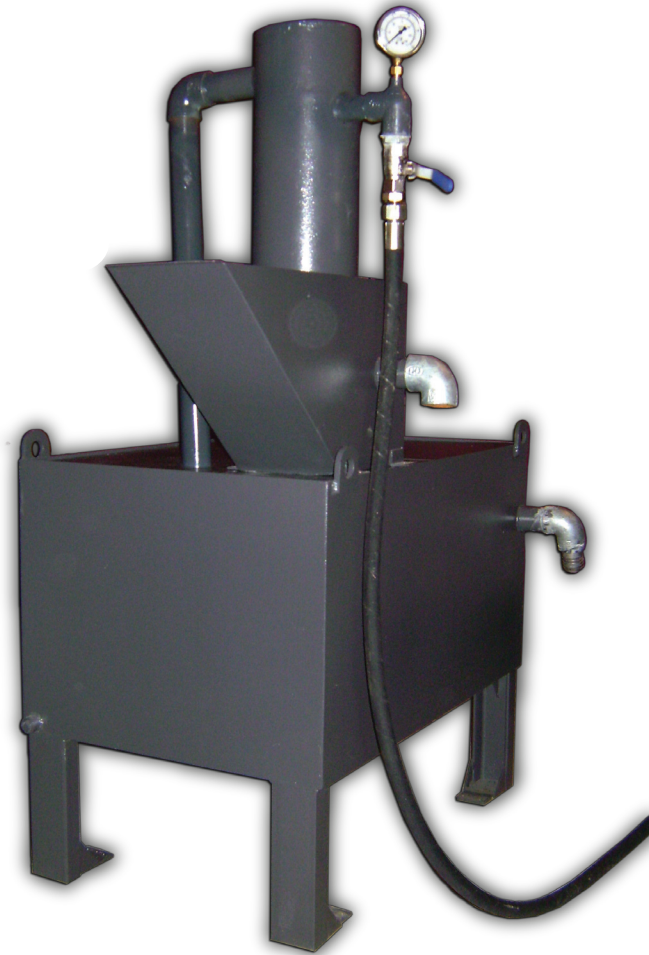


COOLANT FILTRATION SYSTEM

Cyklone SF



Cyklone SF filter, circulate and store coolants for metalworking and other water-base or synthetic liquid operations. They operate on the simplest, most efficient means of separating foreign particles from liquids-centrifugal force generated in a cyclonic chamber. They employ no filter media. Because of its double cleansing action, the Cyclonic chamber removes 85% of all particles to 10-12 microns.

Features

- Easy To Install.
- Ergonomic design.
- Virtually Maintenance Free.
- Filtration accuracy 10 to 15 Microns.
- Turn Machine downtime into cost-saving profits.
- Compact Design conserves precious floor space.
- This can be used with individual Machines or as a centralized system.
- No running cost, the system cleans itself as it runs. Never change filters media because there are none.

Working Principle

- Dirty Coolant enters the cyclone at the inlet orifice of the Cyclonic chamber.
- The shape and the tangential location of the orifice develop a downward, spiraling flow of the coolant.
- This same force spins out of the solid particles to 10-15 microns from the coolant.
- Coolant that passes through the whirl searcher is then piped out to the clean coolant storage tank or to the machine tool.

Advantages

- Cyclone SF filter offer 5 micron filtration with 98% efficiency.
- Systems will remove ferrous, non-ferrous and non-metallic particles.
- Better product finish, less wheel dressing, longer life for grinding wheels and spindle bearings.
- No More Clogging in Rotary Union & thru spindle coolant system.
- No Fungus formation as No Filter Bag or paper etc.
- Continuous cleaning of primary Coolant Tank.

Applications

- CNC Machining Centers
- Grinding Machines
- Material Removal Machining
- Special Purpose Machines.
- Deep hole Drilling Machine.
- Water Wash Paint Booths.
- Thread Cutting Machining.

Technical specification

Filtration Accuracy	10to 20micro
Discharge Quantity	120 LPM
Tank Capacity	175 Liters
Tank dimension WxDxL	620 x 950 x 950mm.
Weight	180 Kgs
Motor rating	1.1 kw

Standard Accessories

- 3HP Rajamane Make Pump.
- Fitting & hose pipes for interfacing with machine tool.
- Wheels for tank movement.
- Front opening lid for cleaning purpose.
- Onsite Installation.

The design and manufacture of products are subjected to continuous improvement.

Specification may vary from the product supplied.

If you have any questions, please feel free to contact us at:

NAT Systems

#3639/A, 1st Floor, 4th Cross, Gayathrinagar, Bangalore, India. Pin - 560021,

Ph : 9986023982, Email ID : krs.natindia@gmail.com