

# Machine Tool Coolant for Small Machines

# VSC3100

## Very Small Chiller

**Uses**  
Small Machining Center,  
Lathe, Grinder, etc...

**Prevents temperature fluctuation for small precision machines** Improve machining precision by cooling down the coolant temperature which is raised by VDF cyclone filtration system

### Easy Operation

The chiller automatically turns on when the coolant exceeds the set temperature within 2.5° C

### Compact and Easy Installation

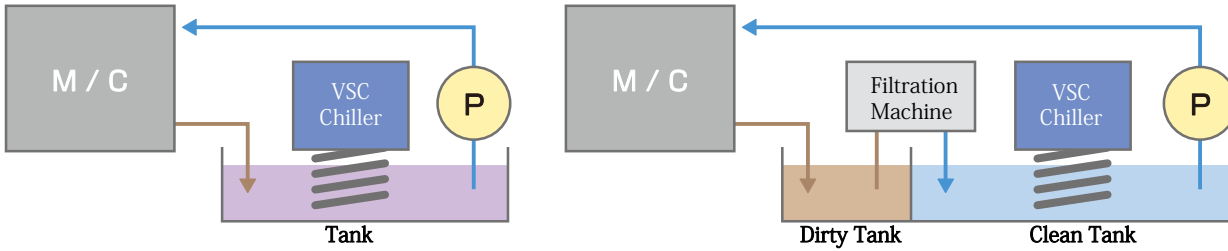
The size of the chiller is only 300mm x 250mm. It only requires common AC100V and is easy to install on existing tanks

### Improves production yield and achieves zero emissions

Effective with the use of the VDF cyclone filter. Improves machining precision and prevents odors from anaerobic bacteria; eliminates periodic replacement of coolant and improves the work environment



### Application Example



Note1: More effective when installed above the current of the coolant

Note2: Cooling performance decreases by 10% with oil-based coolant

Note3: Functional with fluids for experimental equipment other than machine coolant, or fluid circulation units for demonstration machines and all types of equipment

### Specification

Model	VSC3100
Cooling Capability	700/780 50/60Hz (water temperature 35° C, and ambient temperature 35° C with water-base coolant)
Power Requirement	AC100V 50/60Hz Max. Amperage: 6.5A
Dimensions (mm)	445 x 303 x 250
External Finish	Baking Finish; Silver
Compressor	Hermetic compressor; Rated at 300W
Condenser	Forced-air cooling type; Fin-tube type condenser
Condenser Fan Motor	25/28W
Evaporator	Copper bare-tube coil
Temperature Controller	Thermal expansion type thermostat; Setting range within 5~35° C
Ambient Temperature	Within 5~35° C
Cooling Fluid	R-134a
Cooling Fluid Volume(g)	250
Protection	Power supply protection fuse (slow blow fuse 10A) Compressor: Overload protection
Weight (kg)	22

Please note that the contents of the catalog may be changed without any notice

**NIKUNI** America Inc.

1878 S. Elmhurst Rd., Mt. Prospect, IL 60056  
Tel: 224-404-4051 Fax: 847-378-8007  
www.nikuniamerica.com