

WATERJET APPLICATIONS

Reliable, Versatile, and Adaptable
3–20 Ton Capacity

Closed Loop for Water Savings

Today's food processing manufacturers know with a waterjet cutting system, there are higher yields with little waste, higher quality, and longer shelf life. To support the water stream typically the width of a hair, at speeds up to 3,000 feet/second, waterjet food cutting is using high pressure pumps that need its intensifier pumps to be consistently cooled, typically at 50-60°F. Using a recirculating chiller can consistently maintain the temperature and save water and money by avoiding the typical 12-15 gallons per minute that is wasted when using a flow through system with city water.

Product Features

- Air-Cooled or Water-Cooled Condenser, Closed Loop
- Water or Water/Glycol Operations
- R407C Refrigerant
- Powdercoated (Indoor)/Galvanized (Outdoor) Finishes
- Ambient Temperature Range 50–95°F (Indoor) and -20–95°F (Outdoor)
- Temperature Stability $\pm 3^\circ\text{F}$
- Built to UL 1995 (Optional cUL Certification)
- 18-Month Parts and Labor Warranty
- 24/7 Service and Support
- Next Day Parts Available

(Fluid temperatures and ambients can vary. Consult factory for the effect on capacity. Stated capacity based on 60°F fluid setpoint and 95°F ambient.)

**Glen
Dimplex**
Thermal
Solutions



**Koolant
Koolers**



3 & 5 Ton Layouts

7.5 & 10 Ton Layouts

15 & 20 Ton Layouts

Base Configuration

- Digital Controller
- Hermetic Compressor
- Brazed Plate Evaporator
- Manual Fluid Bypass Valve
- Hot Gas Regulator
- Discharge Fluid Pressure Gauge
- Seamless, Plastic, Non-Pressurized Tank
- Refrigerant and Tank Sight Glasses
- Cleanable Air Filters
- Fused Disconnect
- Vertical Air Discharge

Options

- Outdoor Design
- Pressure and Flow Pump Upgrades
- Pressure Relief Bypass Valve
- Inlet Water Filter
- Auto-Water Fill to Maintain Water Level
- Anti-Backflow Kit
Necessary with Overhead Piping
- Float Switch to Detect Low Tank Fluids
- Insulation for Above 28°F Setpoint
- Remote Controller
- Casters (Up to 5 Tons)
- cUL Certification

MODEL	CAPACITY	PROCESS COOLING	VOLTAGE	INLET/OUTLET PORT SIZE	TANK CAPACITY	MAX DIMENSIONS L x W x H	CRATED WEIGHT	PUMP PRESSURE 80 PSI STANDARD FOR WATERJETS	PRESSURE	TEMPERATURE
INDOOR	BTU/HR	PUMP	VOLTS	IN	GAL	INCH	LBS	GPM	PSI	F
SVI-3000-M	24,500 24,500 27,000 30,000 30,000 35,000 35,000 35,000	5X 6XS 9XS/7XS 11 XS 9XD/7XD 11XD 7XS/R 20XS W MC/IS 50HP	460/3/60	1 1/2	36	34.5 x 37 x 65	1,100	10	45	60
SVI-5000-M	40,000 45,000	12XT Hyperjet 50	460/3/60	1 1/2	36	34.5 x 37 x 65	1,100	10	45	60
SVI-7500-M	70,000	Hyperjet 94i D 100HP Hyperjet 94i D 87HP Hyperjet 100iD 20XD Pump 20XD S MC/IS 100 HP	460/3/60	2	60	57 x 37 x 65.5	1,600	10	45	60
SVI-10000-M	95,000 100,000 100,000	Hyperjet 100 25 XT Pump 25XT	460/3/60	2	60	57 x 37 x 65.5	1,600	10	45	60
SVI-15000-M	130,000	25 XT Pump	460/3/60	2	86	57 x 61.5 x 65.5	2,550	10	45	60

All chillers available for outdoor units.

Standard indoor units are designed to run on straight water or water/glycol with hot gas regulator.

Outdoor units are standard with galvanized sheet metal, a Ranco controller, and variable speed controls for fan. Units can be used outdoors in temperatures ranging from -20–95°F and include hot gas regulator.

GDTS chillers can be configured to cool multiple waterjet applications. Contact GDTS to learn more about a central chiller.

