

# CDT SERIES



## Optical Disk Units

### DESIGNED TO HANDLE YOUR OPTICAL DISK INJECTION MOLDING NEEDS

The CDT Series Optical Disk Unit can be configured in either four or six zones that include moving and stationary mold half zones and sprue and punch zones.

Standard features include: 3 kW heaters, air purge, manual bypass and 3/4" female NPT to and from process connections terminated in ball valves. The liquid-filled water supply pressure gauge, NEMA 12 electrical enclosure and rotary, through-the-door disconnect switch are also standard.



#### Features

- 3 kW Incoloy® heater with brass screw plug in stainless steel tank
- 3/4" Female NPT To and From Process connections terminated in ball valves
- 1/8" Male NPT Common Air Purge connection
- 1-1/2" Female NPT Common Cooling Water in and Cooling Water Out connections terminated in ball valves
- Love brand 1/16th DIN microprocessor based PID controllers
- Disconnect switch
- Automatic vent sequence
- Mitsubishi Alpha 1 micro-PLCs for control of LEDs
- Operating range of 32°F to 250°F (0°C to 121°C)
- 150 PSI (10.2 bar) pressure relief valve
- Manual Bypass
- All non-ferrous piping
- Wired for 460/3/60 VAC voltage
- 1/4" x 9/32" orifice solenoid valve with 0.88 Cv
- Independent high temperature safety thermostat
- NEMA 12 enclosure
- 1 year warranty on parts and labor at the factory
- 3 year warranty on controller

#### Options

- RS 485 SPI communications protocol
- PLC with color touch-screen (less SPI)
- UL listed subpanel
- 208/3/60 supply voltage; 400/3/50 supply voltage

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### SPECIFICATIONS

Model	Moveable and stationary zones		Sprue and punch zones		Number of zones
	Flow, gpm	Pump, hp (kW)	Flow, gpm	Pump, hp (kW)	
CDT4-3-0.5-0.75 <sup>1</sup>	11 @ 50 psi	0.75 (0.56)	5 @ 50 psi	0.50 (0.37)	4
CDT4-3-0.5-1.1 <sup>2</sup>	11 @ 50 psi	1.47 (1.10)	5 @ 50 psi	0.67 (0.50)	4
CDT6-3-0.5-0.75 <sup>1</sup>	11 @ 50 psi	0.75 (0.56)	5 @ 50 psi	0.50 (0.37)	6
CDT6-3-0.5-1.1 <sup>2</sup>	11 @ 50 psi	1.47 (1.10)	5 @ 50 psi	0.67 (0.50)	6

1 MTH brand close coupled turbine pump with graphite impregnated silicon carbide seal

2 Speck brand magnetically coupled turbine pump

### DIMENSIONS

Model	Height, in.	Width, in.	Length, in.	Ship. weight, lbs.
CDT4-3-0.5-0.75	54.25	18	42	475
CDT4-3-0.5-1.1	54.25	18	42	475
CDT6-3-0.5-0.75	79.5	18	42	550
CDT6-3-0.5-1.1	79.5	18	42	550