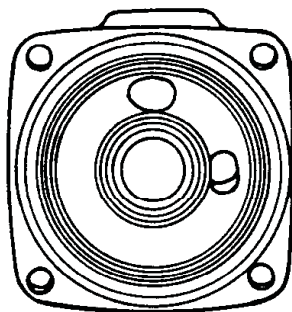
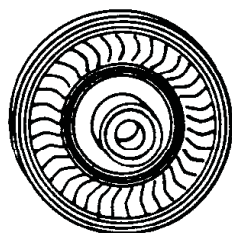


## Close Coupled Turbine Pumps



BURKS close coupled turbine pumps, Series CT, 3450 (60Hz) and 2900 (50Hz) R.P.M. and 4CT, 1725 R.P.M. are available for capacities up to 8 g.p.m. (0.50 L.P.S.) - pressures up to 150 p.s.i. (1034 kpa) and temperatures up to 225°F (107°C), come with standard mechanical shaft seal. Special shaft seals are available for higher temperatures and fluids other than water.

These compact turbine pumps are designed for pumping clear water and many other non-abrasive, lower viscosity liquids. They are especially engineered for boiler feed on steam process applications and will serve up to a 38 hp. boiler at a 3 to 1 safety factor. Available in bronze fitted as standard. All bronze or stainless steel construction also available. These pumps are recommended for many application requiring higher pressures and lower capacities.

BURKS is the only turbine pump with Life-Lok® External Impeller Adjustment feature that allows readjustment of impeller without disturbing piping, disassembling pump or replacing parts. Gives up to 40% longer service life than turbine pumps of other designs.

### MAXIMUM OPERATING CONDITIONS

TEMPERATURE (For Standard Buna-N Seal)	225°F (107°C)
INLET PRESSURE	100 PSI (689kPa)
CASING WORKING PRESSURE	250 PSI (1723kPa)
VISCOSITY	200 SSU

### MOTOR INFORMATION

Standard pump motors have open drip proof construction and are rated with jet pump service factors for continuous duty operation at all ratings shown. Single phase motors are 115/230 volt, 60 Hz, capacitor start/induction run with built-in overload protection. Single phase motors 1/3, 1/2 & 3/4 HP are U.L. recognized. Three phase motors require a magnetic type starter which provides full 3-leg overload protection. Failure to use the correct starter and overloads will void the warranty. All three phase motors are 208-230/460 volt, 60/50Hz, 3450/2900 RPM.

### FOR TEMPERATURES TO 500°F (260°C).

Series CT Pumps are available in a Jacketed Seal Cavity design for pumping hot oil, hot water and heat transfer fluids in common use in high temperature heating or cooling applications. This feature greatly extends seal life in high temperature applications. To order, add suffix "J" to pump catalog number for temperatures below 400°F (204°C) and add suffix "JK" to pump catalog number for temperatures over 400°F (204°C). Example: 5CT5MJ. See Section on High Temperature Pumps for more information.

### MATERIALS OF CONSTRUCTION

PART	BRONZE FITTED	ALL BRONZE	STAINLESS STEEL
Frame	Cast Iron	Bronze	#316 Stainless
Impeller	Bronze (Monel Blades)	Bronze (Monel Blades)	#303 Stainless
Raceway	Bronze	Bronze	#303 Stainless
Shaft	#316 Stainless	#316 Stainless	#316 Stainless
Shaft Seal	Carbon-Ceramic SS - Buna-N	Carbon-Ceramic SS - Buna-N	Carbon-Ceramic SS - Buna-N