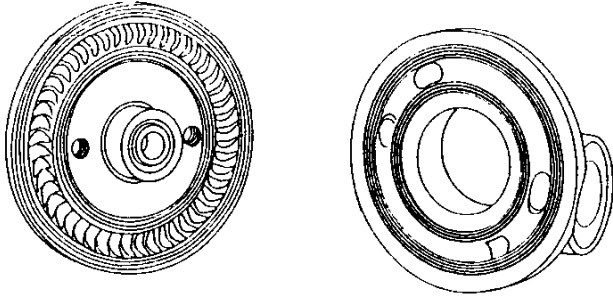


Close Coupled Turbine Pumps



BURKS exclusive unique regenerative type turbine pumps are designed to handle clear water and many other non-abrasive, lower viscosity liquids on high pressure, low capacity applications with the greatest possible efficiency.

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.

- Self-Priming
- Compact, Space-saving size
- No coupling - eliminates misalignment problems
- Dependable carbon/ceramic mechanical shaft seal for temperatures to 225°F (107°C).
- Bronze impeller with Monel blades - the only moving part
- Bronze raceway with cast-in vortex pockets - will not vapor lock
- #303 Stainless Steel pump shaft
- Easy to service
- Every pump factory tested
- Available Bronze fitted, All Bronze, Stainless Steel

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

MOTOR INFORMATION

4CS Series:

Single Phase motors are 115/208-230 Volt, 60Hz, 1750RPM
 Three Phase motors are 208-230/460 Volts, 60/50Hz, 1750/1450RPM

CS Series:

Single Phase motors are 115/208-230 Volt, 60 Hz, 3450RPM
 Three Phase 1, 1 1/2 & 2HP. - 208-230/460 Volt, 60/50 Hz., 3450/2900 RPM
 Three Phase 3 & 5 HP - 208-230/460 Volt, 60 Hz, 3450RPM

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 capacitor start/induction run with built-in overload protection.

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.

FOR TEMPERATURES TO 500°F (260°C).

Series CS 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°). Example: 15CS5MJ. 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
Case	Cast Iron	Bronze	#316 Stainless
Impeller	Bronze (Monel Blades)	Bronze (Monel Blades)	#303 Stainless
Raceway	Bronze	Bronze	#303 Stainless
Shaft	#303 Stainless	#303 Stainless	#303 Stainless
Shaft Seal	Carbon-Ceramic SS - Buna-N	Carbon-Ceramic SS - Buna-N	Carbon-Ceramic SS - Buna-N