

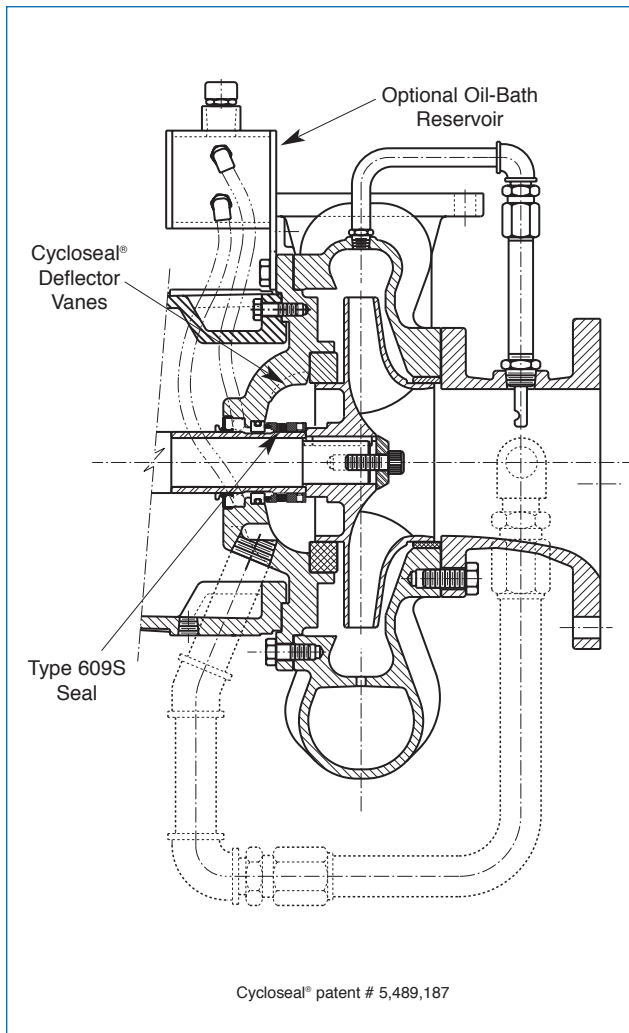


CORNELL PUMP COMPANY

Hot Cycloseal®

HOT CYCLOSEAL®

Cornell's patented Hot Cycloseal® design, with its unique deflector vanes, works with the impeller backvanes to create a Cyclo-action. This action removes solids and abrasive material from the seal area while purging air and gas pockets. The unique dished backplate design allows increased circulation of fluid and better heat distribution.



FEATURES & BENEFITS

- **Extended Seal Life**

Cornell's Cycloseal® design has proven itself in the toughest applications from manure slurry to starch recovery to clear water, food processing, self-priming applications and is now available for hot cooking oil processes. The Hot Oil Cycloseal® can, in some cases, extend seal life significantly. With the Hot Oil Cycloseal®, the mechanical seal is in an open stuffing box with plenty of pumpage circulating around the seal area eliminating the need for seal flush. In addition, Cornell hot oil pumps utilize a John Crane, high temperature, Type 609 Metal Bellows Seal that can operate up to 750° F (398° C). Standard materials run up to 400° F (204° C).

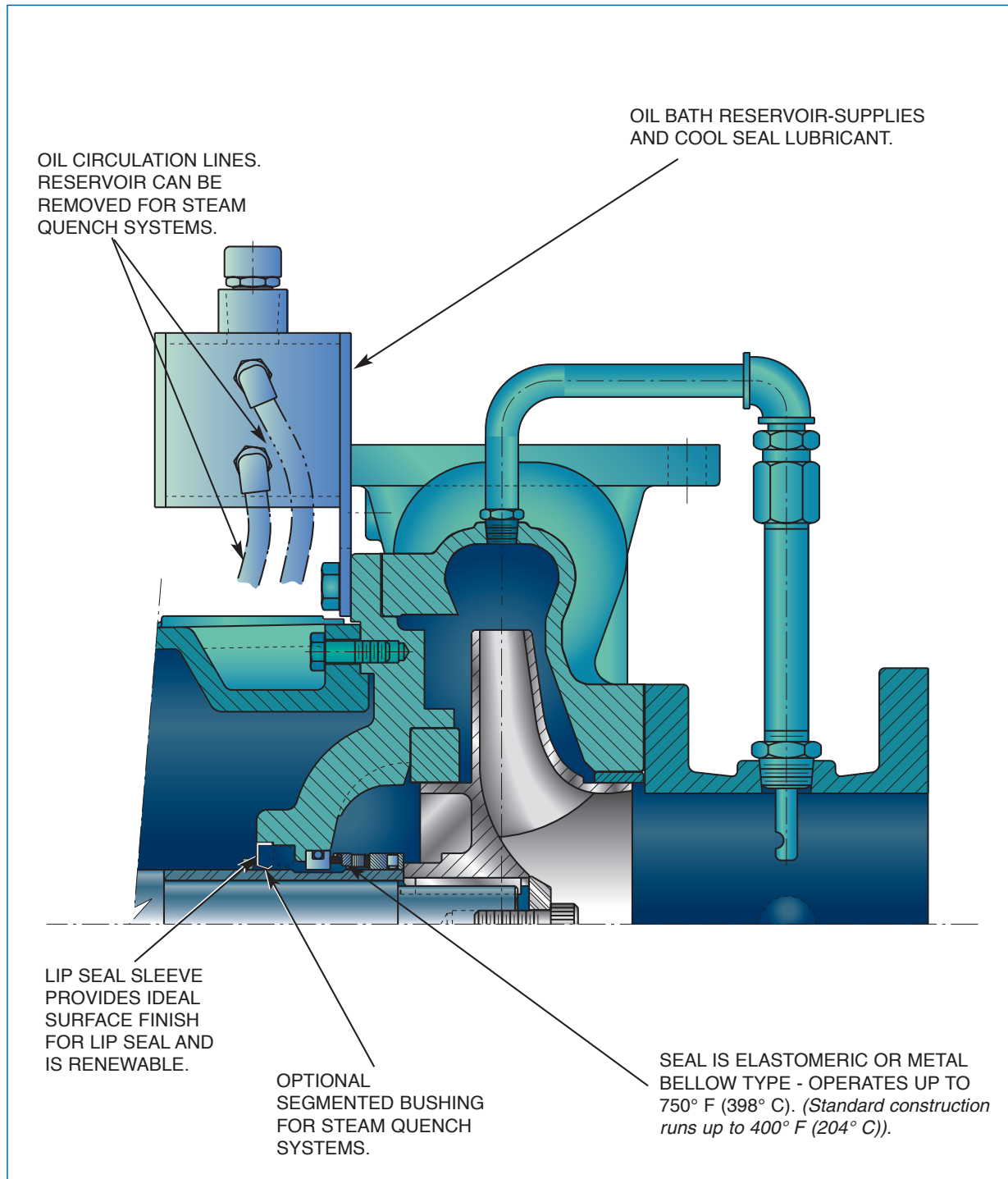
- **Optional Oil-Bath**

All hot oil pumps equipped with Cornell's Hot Cycloseal® have an optional external Oil-Bath feature consisting of an external oil reservoir and associated lines and fittings. The purpose of the oil bath is to provide an oil environment at the outboard side of the seal rather than an air environment. As oil in the pump flashes across the seal face, it "cokes" when it contacts air but by providing an oil bath on the outboard side of the seal, air contact is prevented, reducing or eliminating the coking.

- **Optional Steam Quench**

The addition of a carbon, high temperature, Segmented Bushing on the pump drive end easily converts the oil bath system to a steam quench system to prevent coking.

Cornell's Oil-Bath



Cornell Pump Company

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