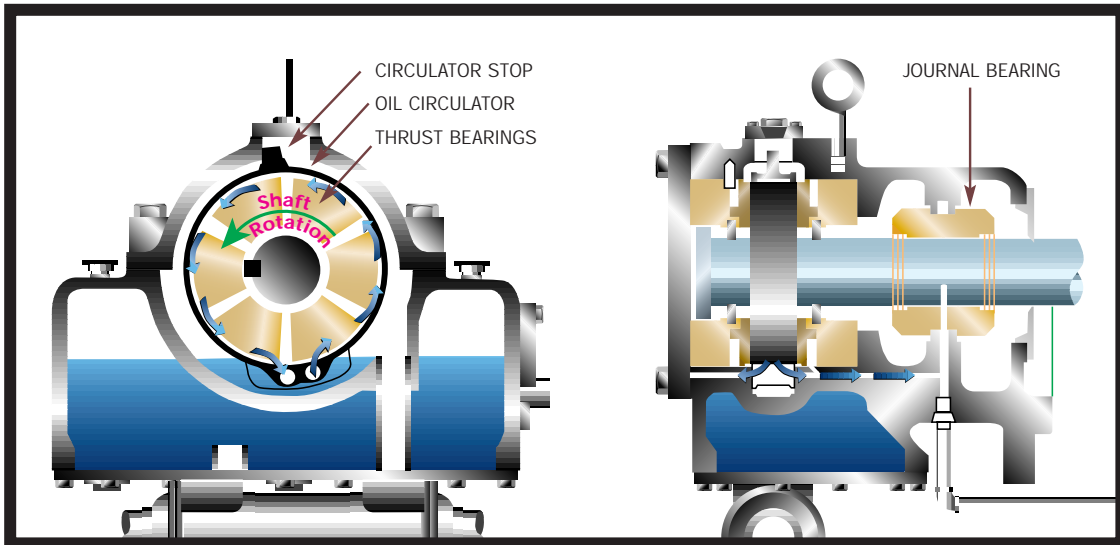
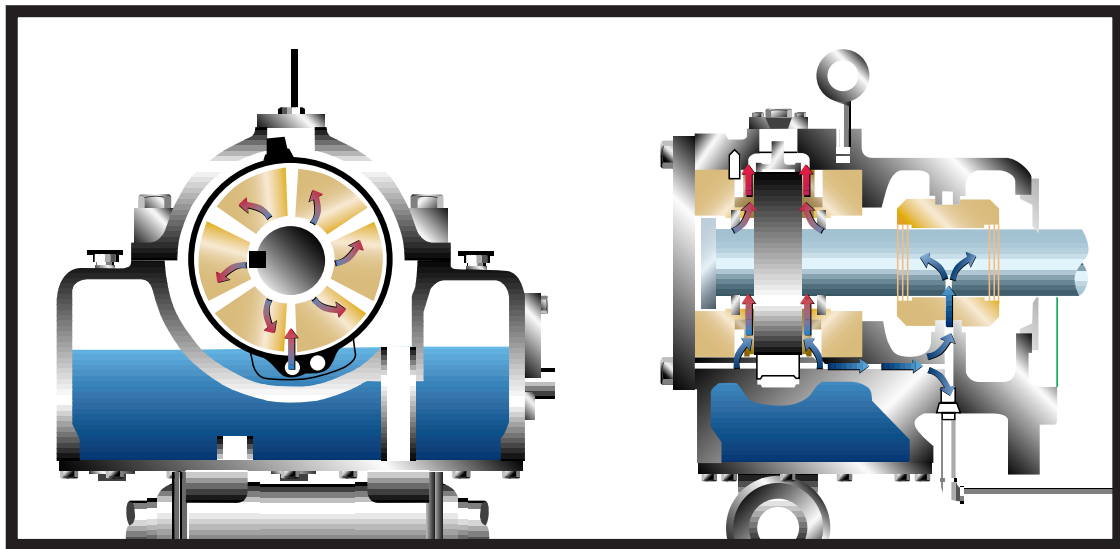


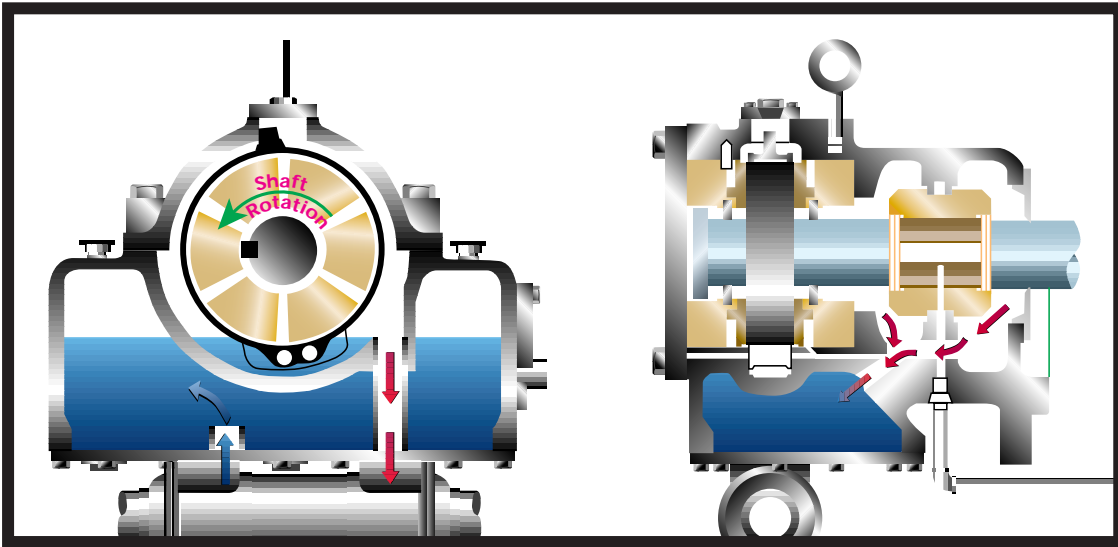
HOW THE CH LUBRICATION SYSTEM WORKS



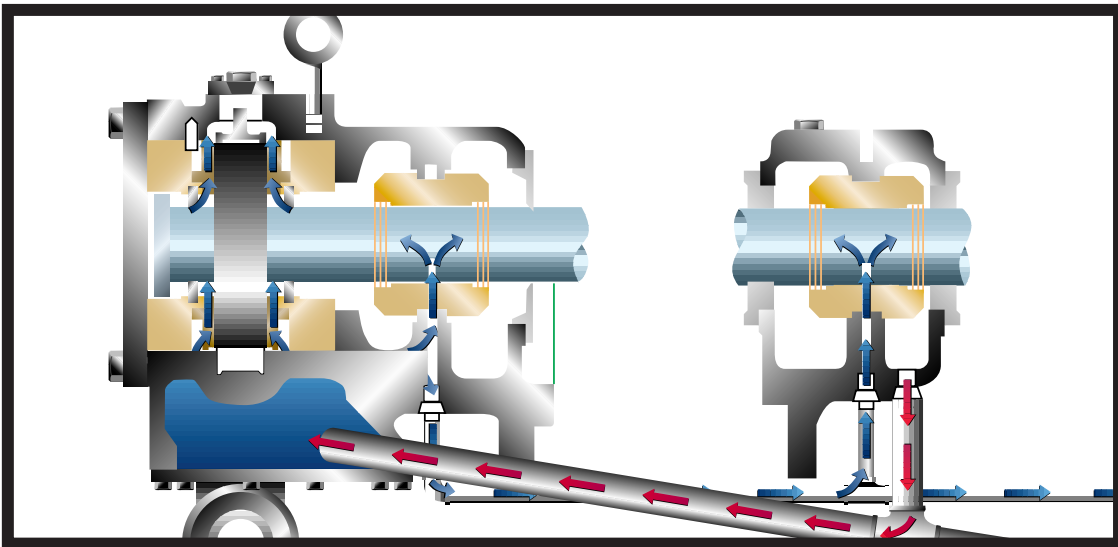
As the shaft begins to rotate, oil is drawn in from the reservoir through either of two ports, depending on the direction of shaft rotation. In the view shown, the oil circulator stop is set for the counter-clockwise rotation.



Pressurized oil from the central passage of the oil circulator enters the thrust bearings to be drawn across the shoes; and pressurized oil also flows to the journal bearing through a channel.



Hot oil from the thrust bearings enters the heat exchanger from the standpipe, and is cooled and returned to the oil reservoir (sump). Hot oil from the journal bearing is returned to the sump by a passage where it mixes with the cooled oil.



As pressurized oil is supplied to the integral journal in the CH unit, fresh oil is also pumped to the external journal bearing in the C unit and other externally mounted bearings. It is then returned to the reservoir by means of customer-supplied piping.