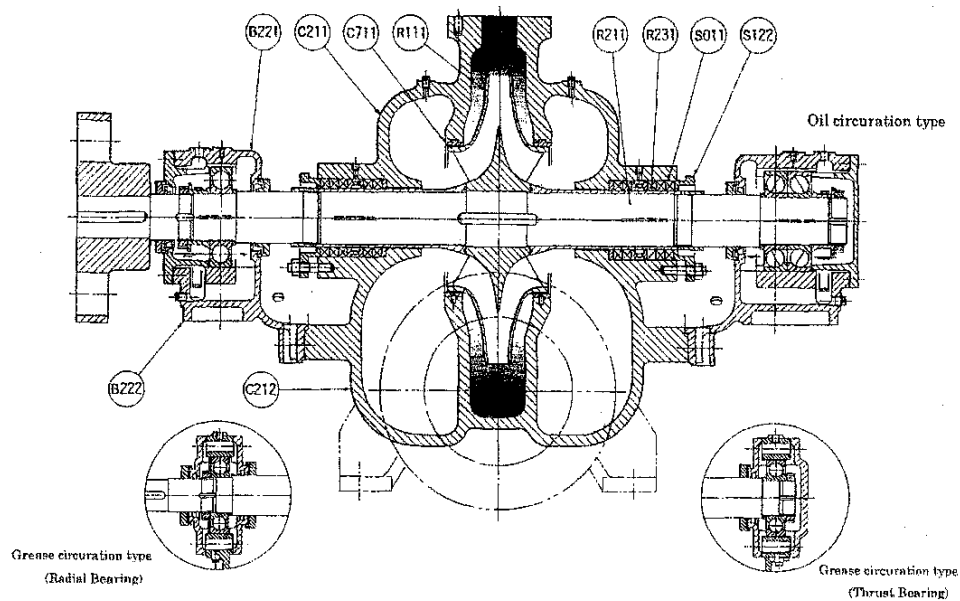


CHAPTER3 Names and Functions of Components (MAPS_STDDF-S199701)

Sectional Drawing



R 1 1 1	Impeller ^(*1)	R 2 1 1	Shaft ^(*2)
R 2 3 1	Shaft sleeve	C 2 1 1	Upper casing
C 2 1 2	Lower casing ^(*3)	C 7 1 1	Casing wearing ring
B 2 2 1	Bearing upper housing ^(*4)	B 2 2 2	Bearing lower housing
S 0 1 1	Gland packing ^(*5)	S 1 2 2	Packing gland

The above structural drawing is the standard one and may be different from the actual case. For details, refer to the sectional drawing.

(*1) Impellers facing in opposite directions are equipped and rotate to give energy to water.

(*2) The shaft has a thickness with sufficient rigidity for critical speed and is designed to make the deflection smaller.

(*3) As a matter of structure, the casing can be divided horizontally into the upper side and the lower side. When the upper casing is removed, internal inspection will be easily performed.

(*4) As the bearing, a both-end supported type ball bearing is used. For lubrication, the oil lubrication or grease lubrication type is adopted.

(*5) The "external pressure water injection method" which injects water from the outside, the "self-pressure water injection method" which injects pressure water by the pump discharge or the "external/self pressure combined method" which injects water from the outside at a start and injects water by pump pressure is adopted.

(The water injection method is based on the pump data sheet.)

※We are in a position to manufacture a mechanical seal type pump if you desire it.