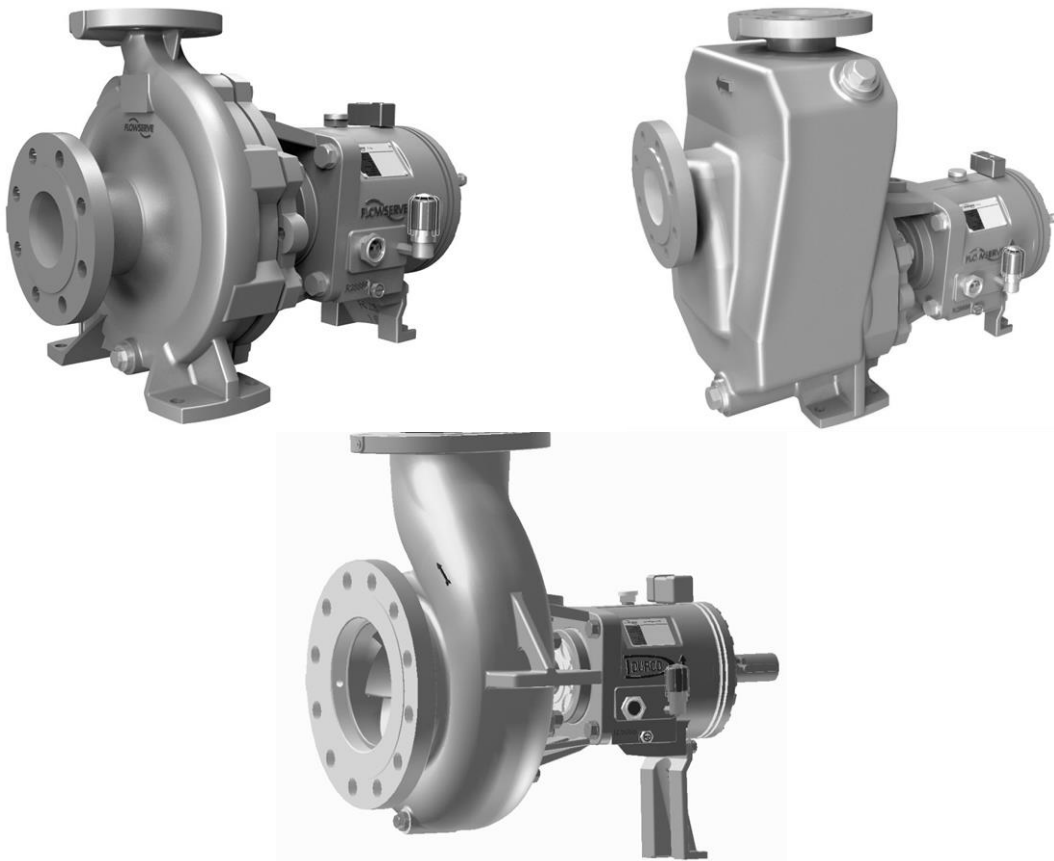




Durco® Mark 3™ ISO frame mounted

Standard two piece bearing frame foot mounted, centerline mounted and unitized self-priming chemical process pumps

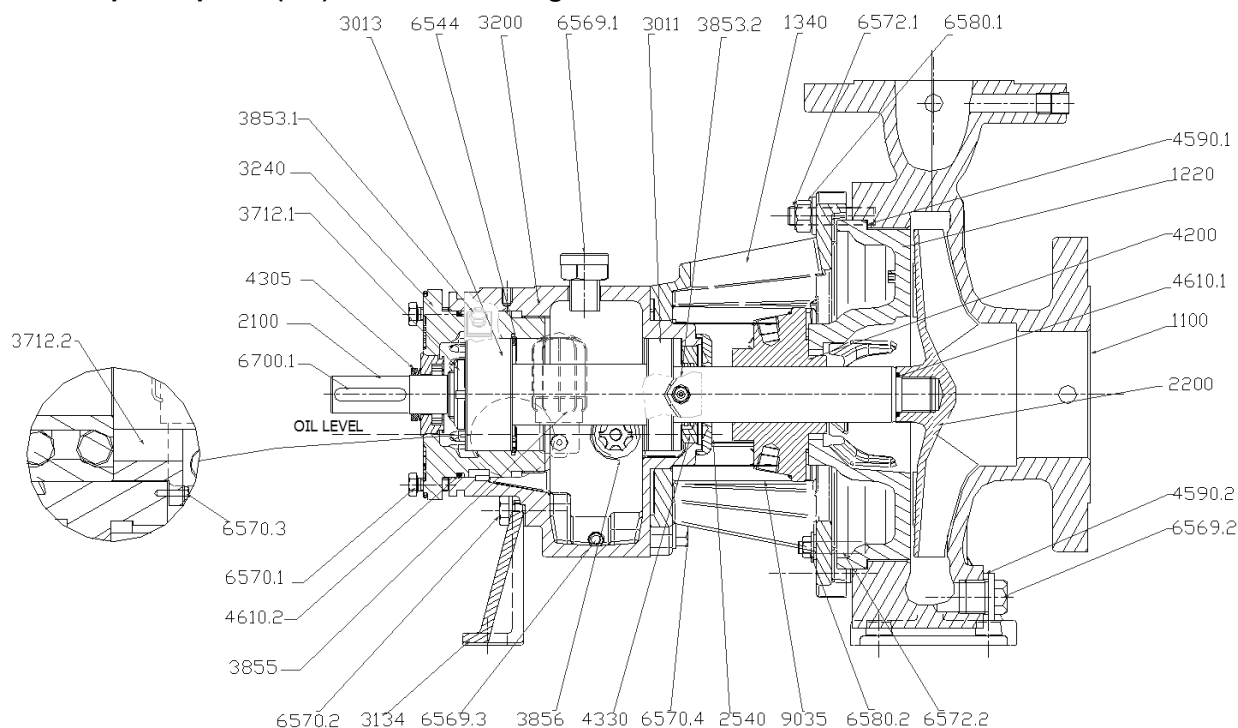


Experience In Motion

8 PARTS LISTS AND DRAWINGS

8.1 Mark 3 ISO

8.1.1 Open impeller (OP) sectional drawing



Drawing taken from B731/2082

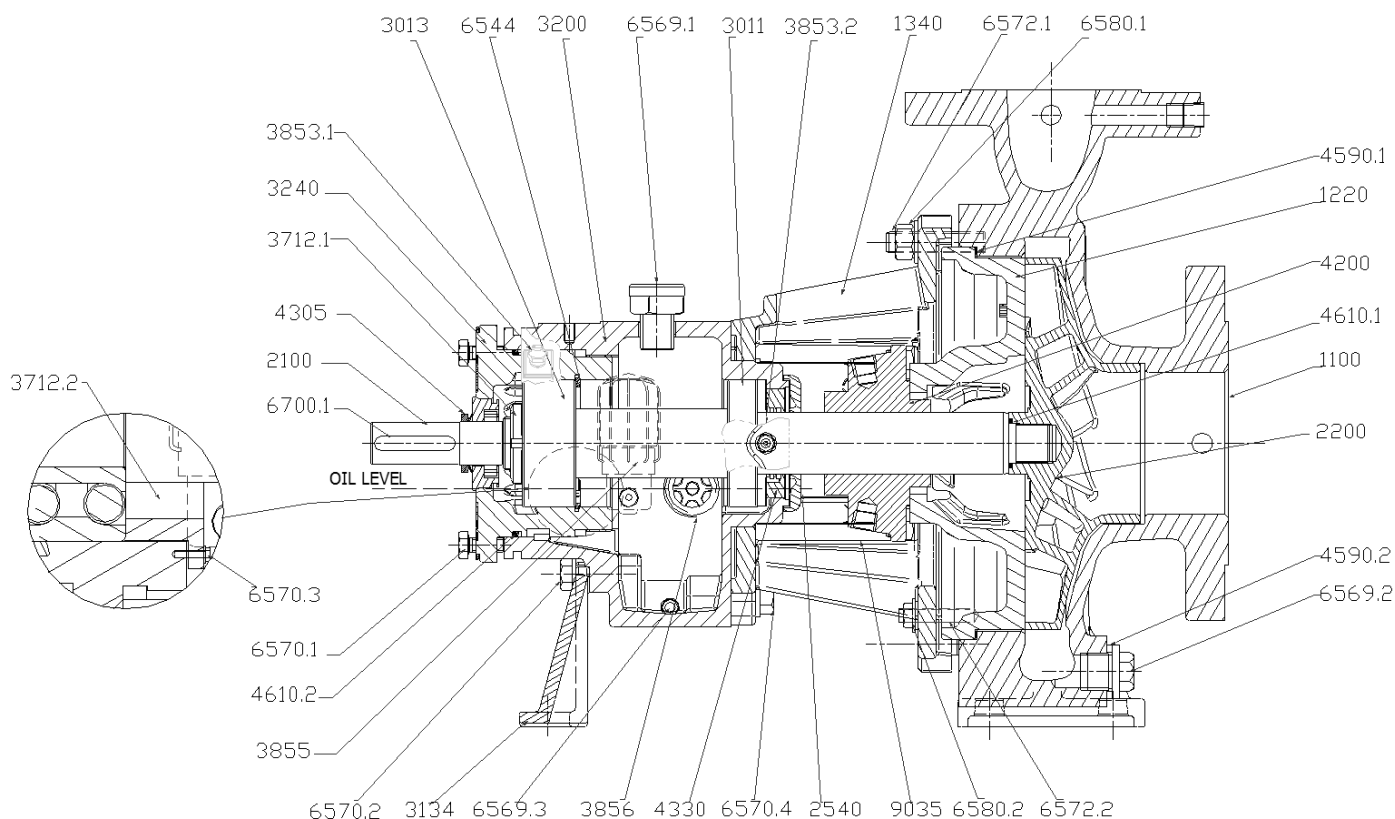
8.1.2 Open impeller (OP) parts list

Item	Description
1100	Casing
1220	Cover
1340	Adaptor
2100	Shaft
2200	Impeller
2540	Deflector (liquid)
3011	Radial ball bearing
3013	Thrust ball bearing
3134	Support foot
3200	Bearing housing
3240	Bearing carrier
3712.1	Bearing locknut
3712.2	Bearing locknut
3853.1	Grease nipples (grease lubrication only) *
3853.2	Grease nipples (grease lubrication only) *
3855	Constant level oiler *
3856	Oil sight gauge
4200	Mechanical seal
4305	Shaft seal ring

4330	Labyrinth ring
4590.1	Gasket
4590.2	Gasket *
4610.1	O-ring
4610.2	O-ring
6544	Circlip
6569.1	Plug (filler)
6569.2	Plug *
6569.3	Plug (magnetic)
6570.1	Screw
6570.2	Screw
6570.3	Screw
6570.4	Screw
6572.1	Stud
6572.2	Stud
6580.1	Nut
6580.2	Nut
6700.1	Key
9035	Guard

* Standard option

8.1.3 Reverse vane (RV) impeller sectional drawing



Drawing taken from B731/2081

8.1.4 Reverse vane (RV) impeller parts list

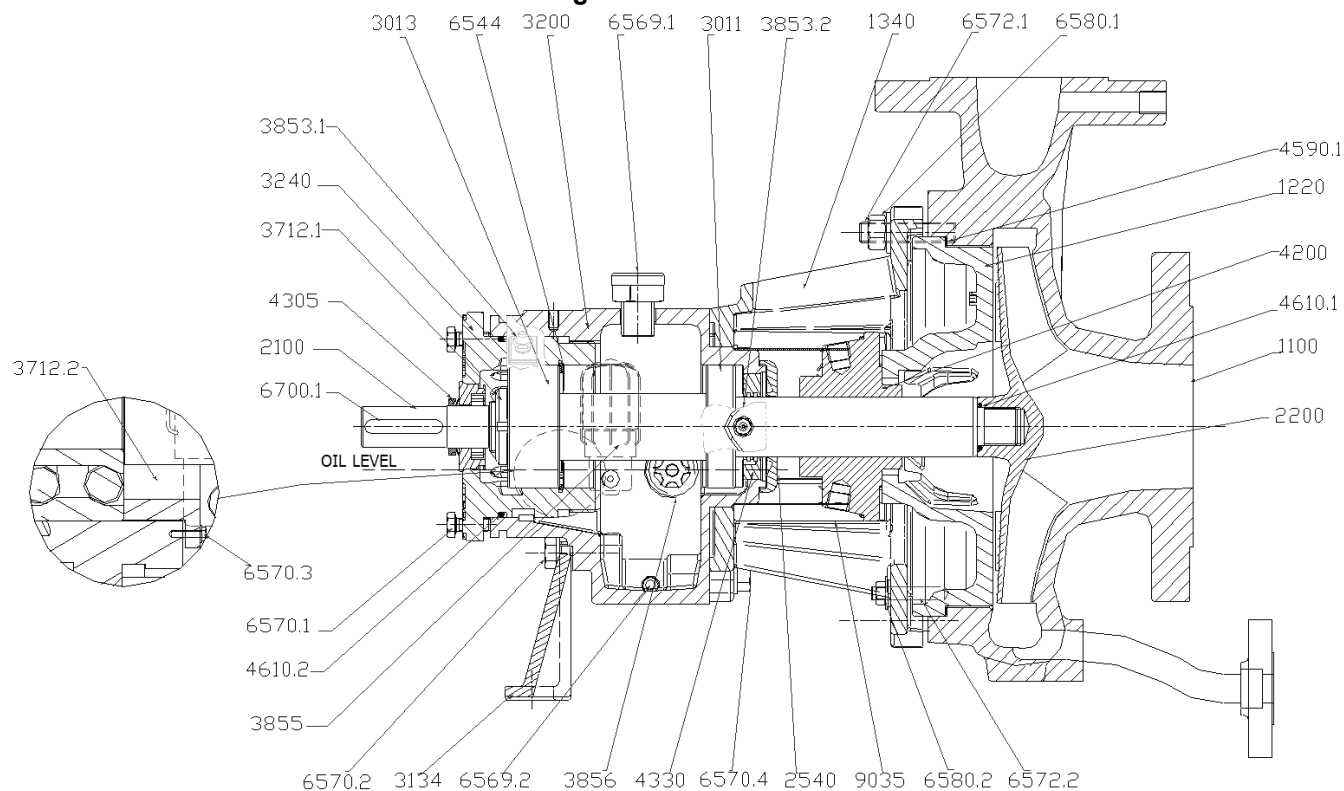
Item	Description
1100	Casing
1220	Cover
1340	Adaptor
2100	Shaft
2200	Impeller
2540	Deflector (liquid)
3011	Radial ball bearing
3013	Thrust ball bearing
3134	Support foot
3200	Bearing housing
3240	Bearing carrier
3712.1	Bearing locknut
3712.2	Bearing locknut
3853.1	Grease nipples (grease lubrication only) *
3853.2	Grease nipples (grease lubrication only) *
3855	Constant level oiler *
3856	Oil sight gauge
4200	Mechanical seal
4305	Shaft seal ring

4330	Labyrinth ring
4590.1	Gasket
4590.2	Gasket *
4610.1	O-ring
4610.2	O-ring
6544	Circlip
6569.1	Plug (filler)
6569.2	Plug *
6569.3	Plug (magnetic)
6570.1	Screw
6570.2	Screw
6570.3	Screw
6570.4	Screw
6572.1	Stud
6572.2	Stud
6580.1	Nut
6580.2	Nut
6700.1	Key
9035	Guard

* Standard option

8.2 Centerline mounted, recessed impeller and self-primer configurations

8.2.1 Centerline mounted sectional drawing



Drawing taken from C128/002

8.2.2 Centerline mounted casing parts list

Item	Description
1100	Casing
1220	Cover
1340	Adaptor
2100	Shaft
2200	Impeller
2540	Deflector (liquid)
3011	Radial ball bearing
3013	Thrust ball bearing
3134	Support foot
3200	Bearing housing
3240	Bearing carrier
3712.1	Bearing locknut
3712.2	Bearing locknut
3855	Constant level oiler
3856	Oil sight gauge
4200	Mechanical seal
4305	Shaft seal ring

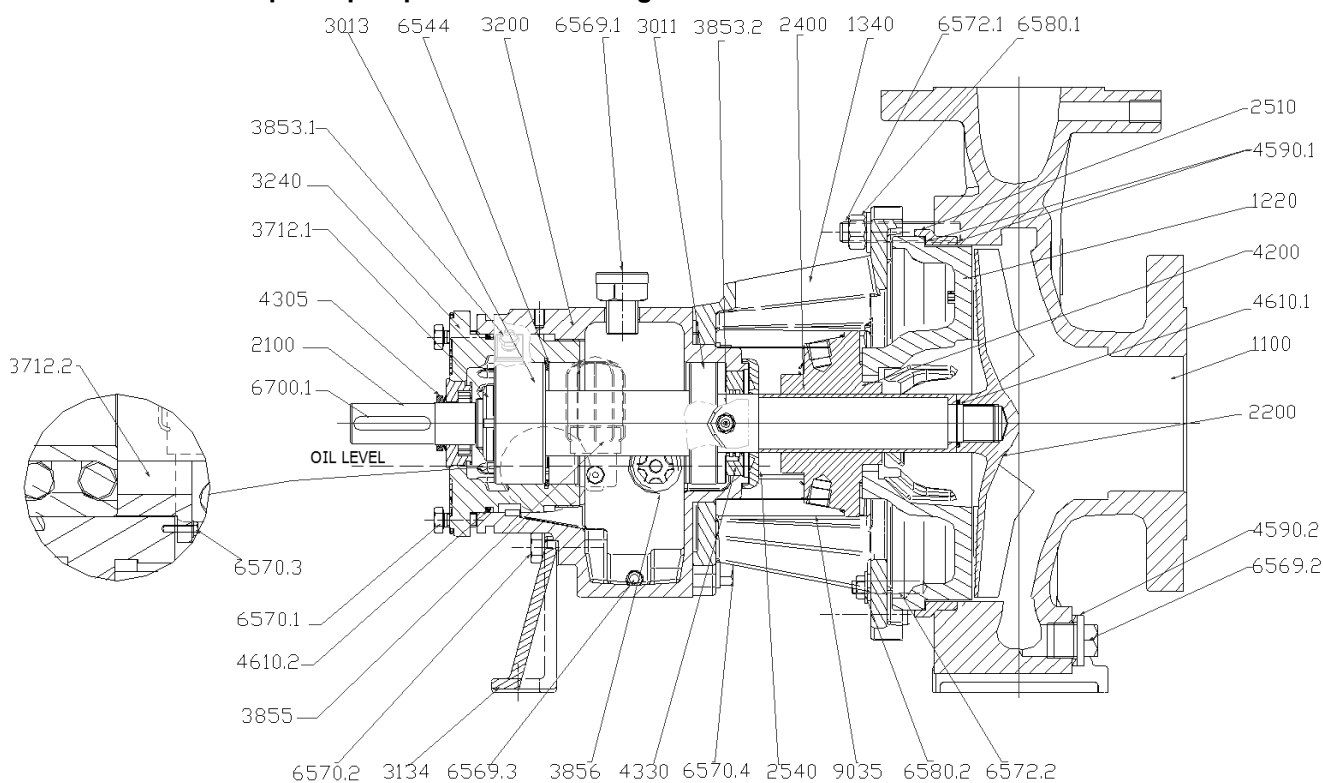
4330	Labyrinth ring
4590	Gasket
4610.1	O-ring
4610.2	O-ring
6544	Circlip
6569.1	Plug (filler)
6569.2	Plug (magnetic)
6570.1	Screw
6570.2	Screw
6570.3	Screw
6570.4	Screw
6572.1	Stud
6572.2	Stud
6580.1	Nut
6580.2	Nut
6700.1	Key
9035	Guard

Items not illustrated

2400	Sleeve *
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* Standard option

8.2.3 Recessed impeller pump sectional drawing



Drawing taken from B731/2083

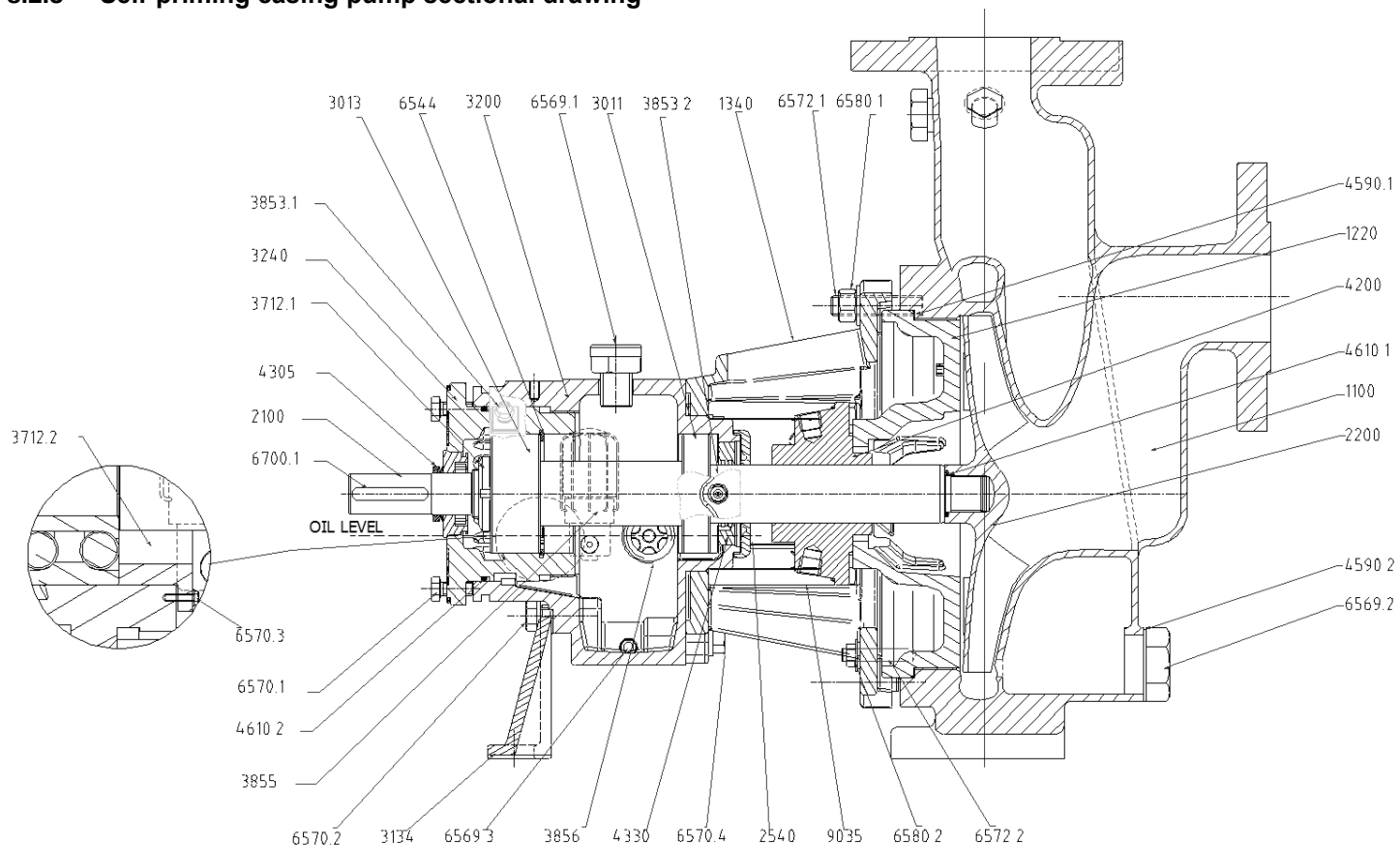
8.2.4 Recessed impeller pump parts list

Item	Description
1100	Casing
1220	Cover
1340	Adaptor
2100	Shaft
2200	Impeller
2400	Sleeve
2510	Distance ring
2540	Deflector (liquid)
3011	Radial ball bearing
3013	Thrust ball bearing
3134	Support foot
3200	Bearing housing
3240	Bearing carrier
3712.1	Bearing locknut
3712.2	Bearing locknut
3853.1	Grease nipples (grease lubrication only) *
3853.2	Grease nipples (grease lubrication only) *
3855	Constant level oiler (oil lubrication only) *
3856	Oil sight gauge
4200	Mechanical seal

4305	Shaft seal ring
4330	Labyrinth ring
4590.1	Gasket
4590.2	Gasket *
4610.1	O-ring
4610.2	O-ring
6544	Circlip
6569.1	Plug (filler)
6569.2	Plug *
6569.3	Plug (magnetic)
6570.1	Screw
6570.2	Screw
6570.3	Screw
6570.4	Screw
6572.1	Stud
6572.2	Stud
6580.1	Nut
6580.2	Nut
6700.1	Key
9035	Guard

* Standard option

8.2.5 Self-priming casing pump sectional drawing



Drawing taken from C665/076

8.2.6 Self-priming casing pump parts list

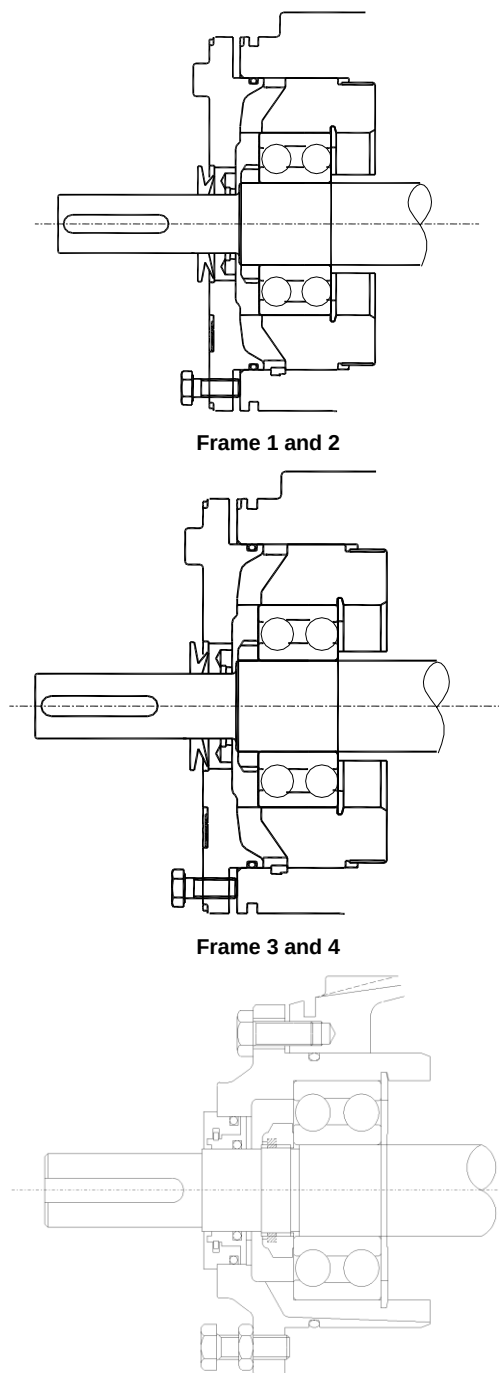
Item	Description
1100	Casing
1220	Cover
1340	Adaptor
2100	Shaft
2200	Impeller
2400	Sleeve *
2540	Deflector (liquid)
3011	Radial ball bearing
3013	Thrust ball bearing
3134	Support foot
3200	Bearing housing
3240	Bearing carrier
3712.1	Bearing locknut
3712.2	Bearing locknut
3853.1	Grease nipples (grease lubrication only) *
3853.2	Grease nipples (grease lubrication only) *
3855	Constant level oiler *
3856	Oil sight gauge
4200	Mechanical seal
4305	Shaft seal ring

4330	Labyrinth ring
4590.1	Gasket
4590.2	Gasket *
4610.1	O-ring
4610.2	O-ring
6544	Circlip
6569.1	Plug (filler)
6569.2	Plug *
6569.3	Plug (magnetic)
6569.4	Plug (filler)
6570.1	Screw
6570.2	Screw
6570.3	Screw
6570.4	Screw
6572.1	Stud
6572.2	Stud
6580.1	Nut
6580.2	Nut
6700.1	Key
9035	Guard

* Standard option

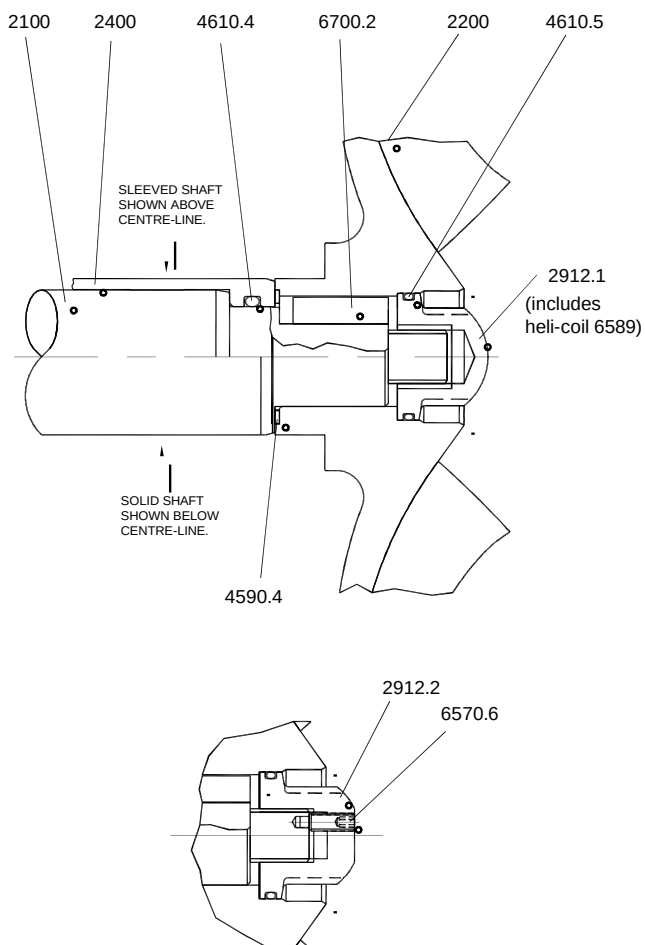
8.3 Additional details

8.3.1 Bearing housing sealing details



Frame 1 to 4 proprietary labyrinth/face seals (where fitted)

8.3.2 Open impeller (OP) key drive impeller option



Key drive design for 304/316 stainless steel and above, secure screw with PTFE sealant (Loctite 577)

Item	Description
2100	Shaft
2200	Impeller
2400	Sleeve (if fitted)
2912.1	Impeller nut
2912.2	Impeller nut
4590.4	Gasket
4610.4	O-ring (if sleeve fitted)
4610.5	O-ring
6570.6	Screw
6700.2	Key