



## ***Durco® Mark 3 Sealed Metallic Pumps***

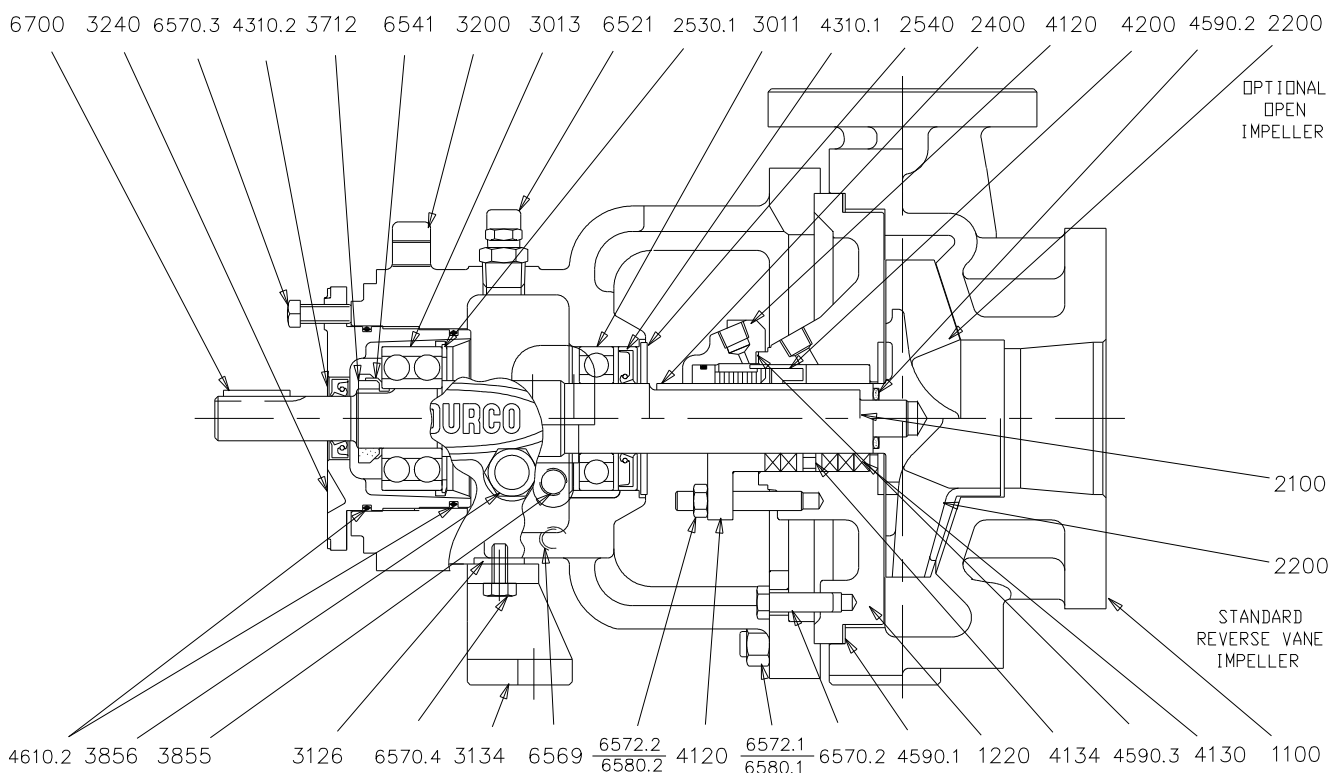
Mark 3 Standard, In-Line, Lo-Flo, Recessed Impeller,  
Unitized Self Priming and Sealmatic Pumps



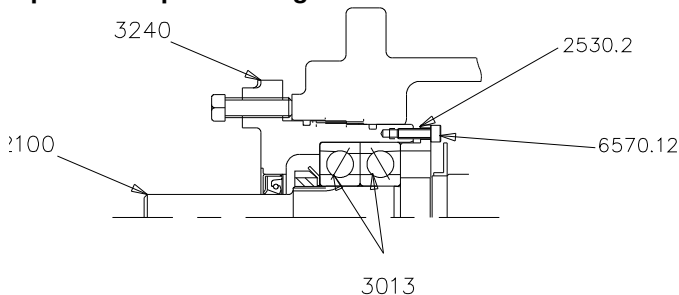
***Experience In Motion***

## 8 PARTS LIST AND DRAWINGS

### 8.1 Standard Mark 3 pump, Group 1

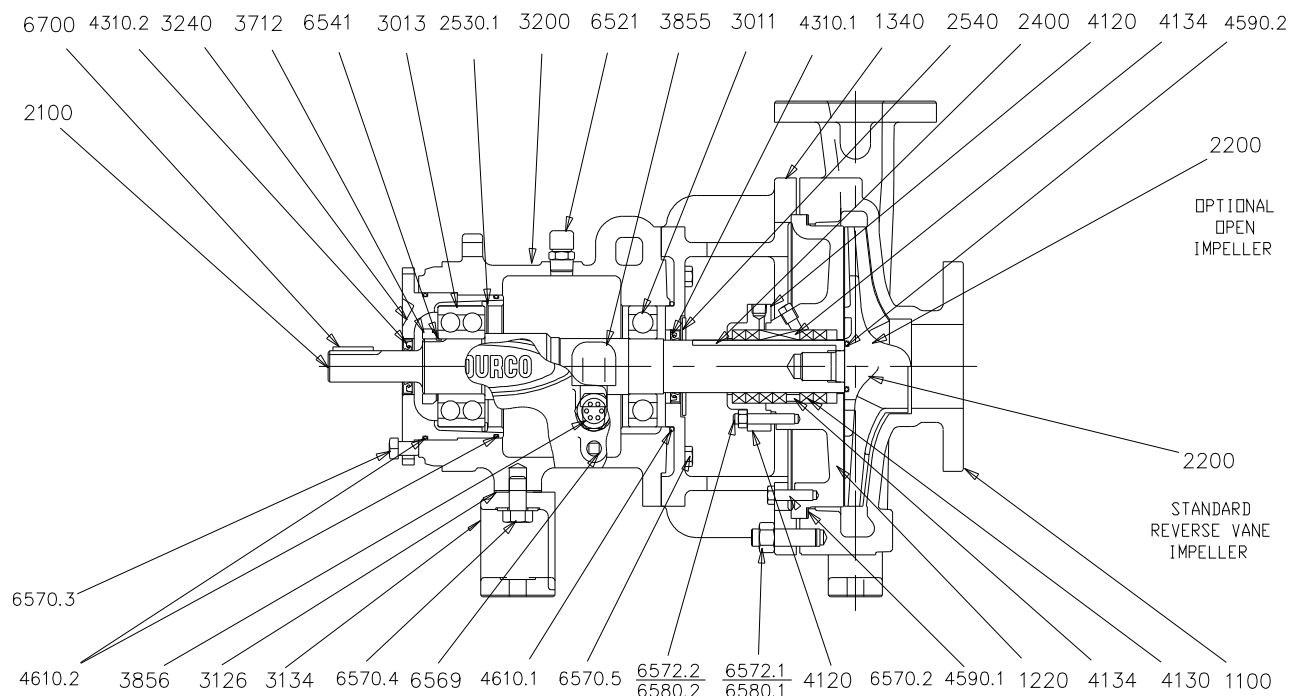


#### Optional Duplex Arrangement

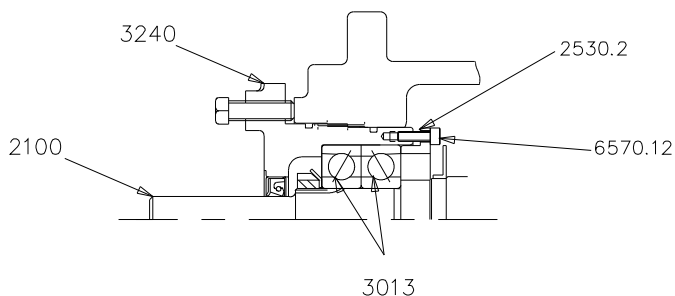


| Item   | Description                  | 3200   | Bearing housing                  | 4610.2  | O-ring - bearing carrier                                                  |
|--------|------------------------------|--------|----------------------------------|---------|---------------------------------------------------------------------------|
| 1100   | Casing                       | 3240   | Bearing carrier                  | 6521    | Bearing housing vent/breather (on ANSI 3A™ power ends replaced by a plug) |
| 1220   | Cover                        | 3712   | Bearing locknut                  | 6541.1  | Lockwasher - bearing                                                      |
| 1340   | Adapter - bearing housing    | 3855   | Constant level oiler (not shown) | 6569.1  | Plug - bearing housing drain                                              |
| 2100   | Shaft                        | 3856   | Sight gage - bearing housing     | 6570.12 | Screw - clamp                                                             |
| 2200   | Impeller                     | 4120   | Gland                            | 6570.2  | Screw - cover/adaptor                                                     |
| 2400   | Sleeve, optional             | 4130   | Packing - optional               | 6570.3  | Screw - bearing carrier set                                               |
| 2530.1 | Retaining ring - bearing     | 4134   | Seal cage – packing optional,    | 6570.4  | Screw - foot                                                              |
| 2530.2 | Retaining ring - clamp type  | 4200   | Mechanical seal                  | 6570.5  | Screw - bearing housing                                                   |
| 2540   | Deflector - inboard optional | 4310.1 | Oil seal inboard                 | 6572.1  | Stud - casing                                                             |
| 2541   | Oil flinger - optional       | 4310.2 | Oil seal outboard                | 6572.2  | Stud - gland                                                              |
| 3011   | Ball bearing - inboard       | 4590.1 | Gasket - cover                   | 6580.1  | Nut - casing                                                              |
| 3013   | Ball bearing - outboard      | 4590.2 | Gasket - impeller                | 6580.2  | Nut - gland                                                               |
| 3126.1 | Shim                         | 4590.3 | Gasket - Gland                   | 6700    | Key - shaft/coupling                                                      |
| 3134   | Support foot                 | 4610.1 | O-ring - adapter                 |         |                                                                           |

## 8.2 Standard Mark 3 pump, Group 2 and 3



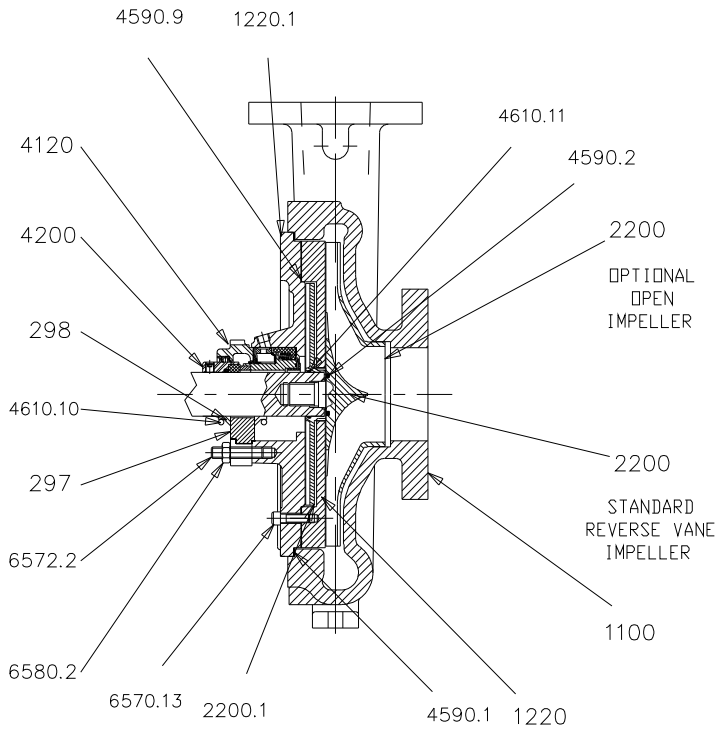
### Group 2 Optional duplex bearing arrangement\*\* Group 3 Standard bearing clamp arrangement



| Item   | Description                  | 3200   | Bearing housing                  | 4610.2  | O-ring - bearing carrier                                                  |
|--------|------------------------------|--------|----------------------------------|---------|---------------------------------------------------------------------------|
| 1100   | Casing                       | 3240   | Bearing carrier                  | 6521    | Bearing housing vent/breather (on ANSI 3A™ power ends replaced by a plug) |
| 1220   | Cover                        | 3712   | Bearing locknut                  | 6541.1  | Lockwasher - bearing                                                      |
| 1340   | Adapter - bearing housing    | 3855   | Constant level oiler (not shown) | 6569.1  | Plug - bearing housing drain                                              |
| 2100   | Shaft                        | 3856   | Sight gage - bearing housing     | 6570.12 | Screw - clamp                                                             |
| 2200   | Impeller                     | 4120   | Gland                            | 6570.2  | Screw - cover/adapter                                                     |
| 2400   | Sleeve, optional             | 4130   | Packing – optional (not shown)   | 6570.3  | Screw - bearing carrier set                                               |
| 2530.1 | Retaining ring - bearing     | 4134   | Seal cage – packing optional,    | 6570.4  | Screw - foot                                                              |
| 2530.2 | Retaining ring - clamp type  | 4200   | Mechanical seal                  | 6570.5  | Screw - bearing housing                                                   |
| 2540   | Deflector - inboard optional | 4310.1 | Oil seal inboard                 | 6572.1  | Stud - casing                                                             |
| 2541   | Oil flinger - optional       | 4310.2 | Oil seal outboard                | 6572.2  | Stud - gland                                                              |
| 3011   | Ball bearing - inboard       | 4590.1 | Gasket - cover                   | 6580.1  | Nut - casing                                                              |
| 3013   | Ball bearing - outboard      | 4590.2 | Gasket - impeller                | 6580.2  | Nut - gland                                                               |
| 3126.1 | Shim                         | 4590.3 | Gasket - gland                   | 6700    | Key - shaft/coupling                                                      |
| 3134   | Support foot                 | 4610.1 | O-ring - adapter                 |         |                                                                           |

\*\* Standard on group 3-HD.

### 8.3 Mark 3 Sealmatic pump, Group 2

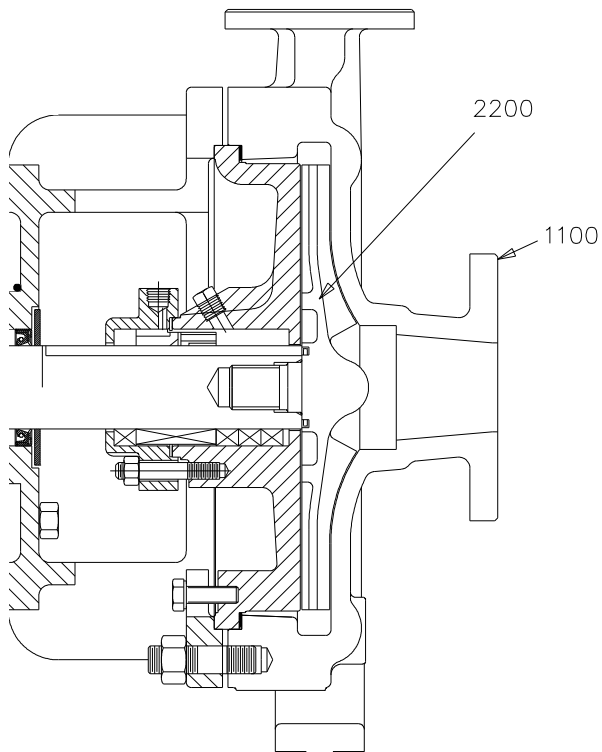


| Item    | Description             |
|---------|-------------------------|
| 297     | Seat                    |
| 298     | Lipseal                 |
| 1100    | Casing                  |
| 1220    | Cover                   |
| 1220.1  | Cover - repeller        |
| 2200    | Impeller                |
| 2200.1  | Repeller                |
| 4120    | Gland                   |
| 4200    | Mechanical seal         |
| 4590.1  | Gasket – cover          |
| 4590.2  | Gasket – impeller       |
| 4590.9  | Gasket – repeller cover |
| 4610.10 | O-ring - lipseal        |
| 4610.11 | O-ring - repeller       |
| 6570.13 | Screw – repeller cover  |
| 6572.2  | Stud - gland            |
| 6580.2  | Nut - gland             |

**Notes:**

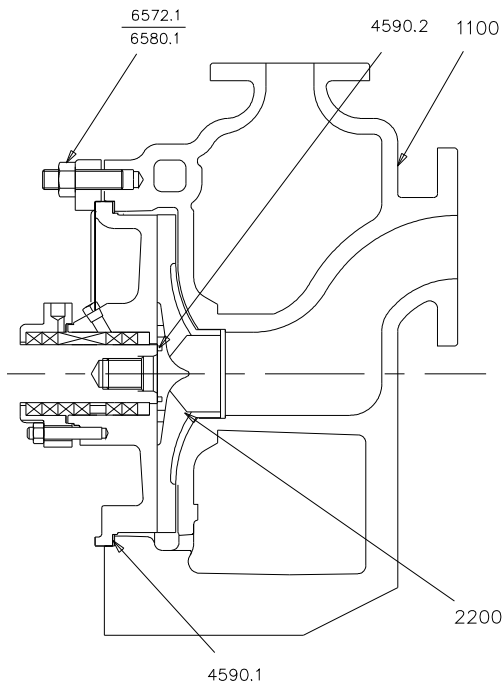
See figures 6-30 GP3 Sealmatic wet end.

### 8.4 Mark 3 Lo-Flo, Group 2



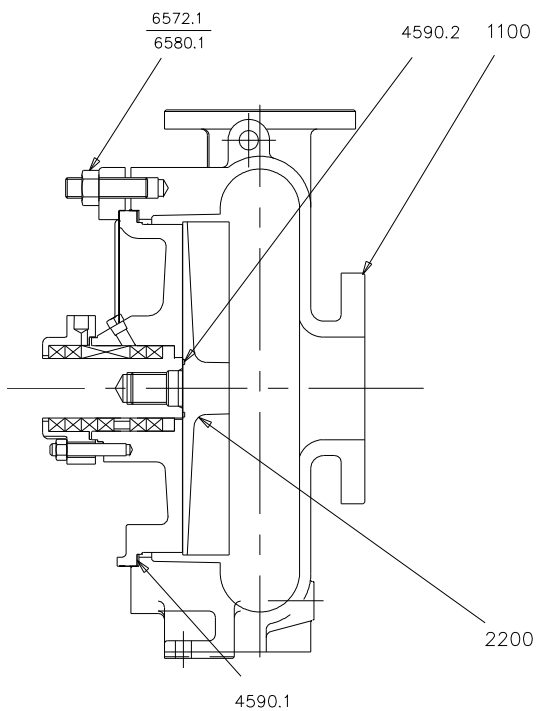
| Item | Description |
|------|-------------|
| 1100 | Casing      |
| 1220 | Cover       |

## 8.5 Mark 3 Unitized Self Priming pump, Group 2

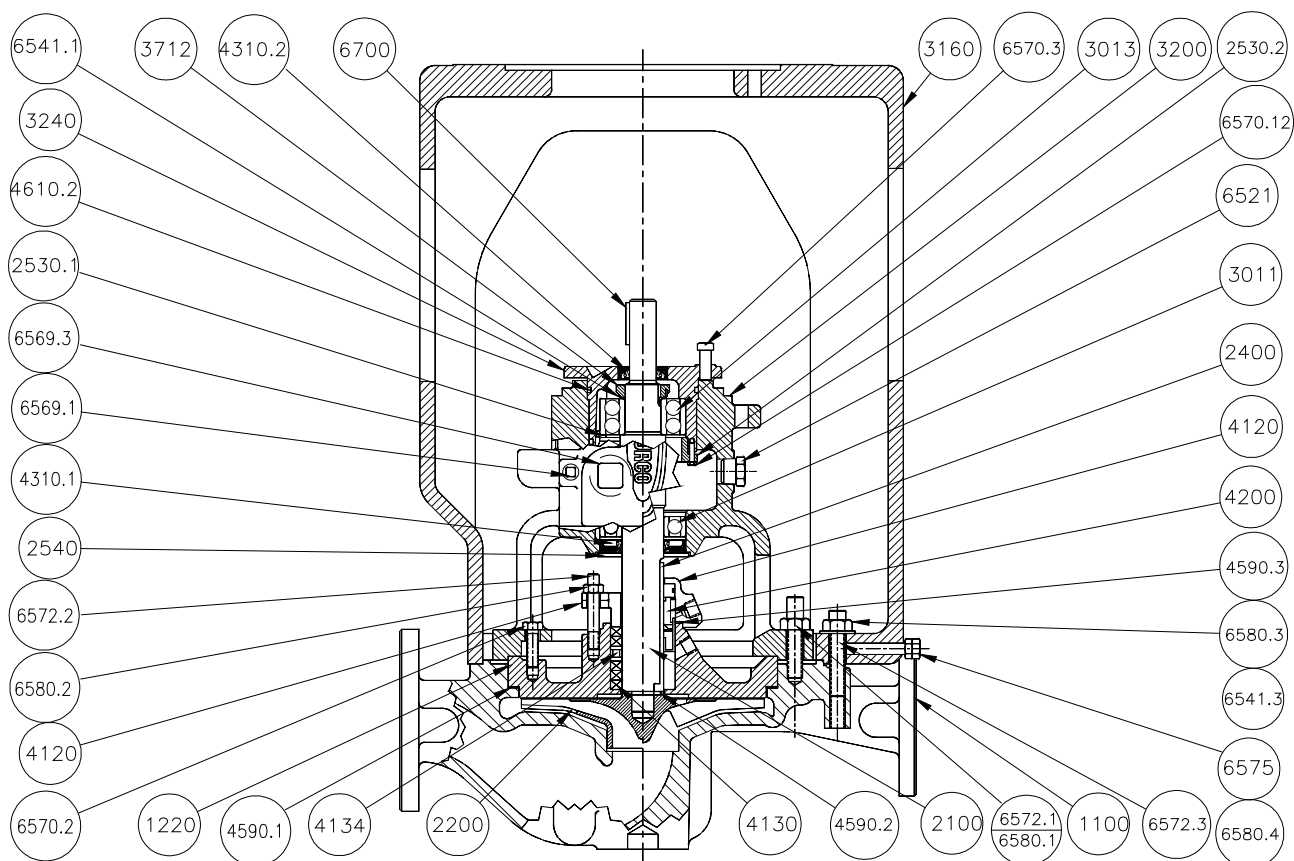


| Item   | Description       |
|--------|-------------------|
| 1100   | Casing            |
| 2200   | Impeller          |
| 4590.1 | Gasket – cover    |
| 4590.2 | Gasket - impeller |
| 6572.1 | Stud - casing     |
| 6580.1 | Nut - casing      |

## 8.6 Mark 3 Recessed Impeller pump, Group 2



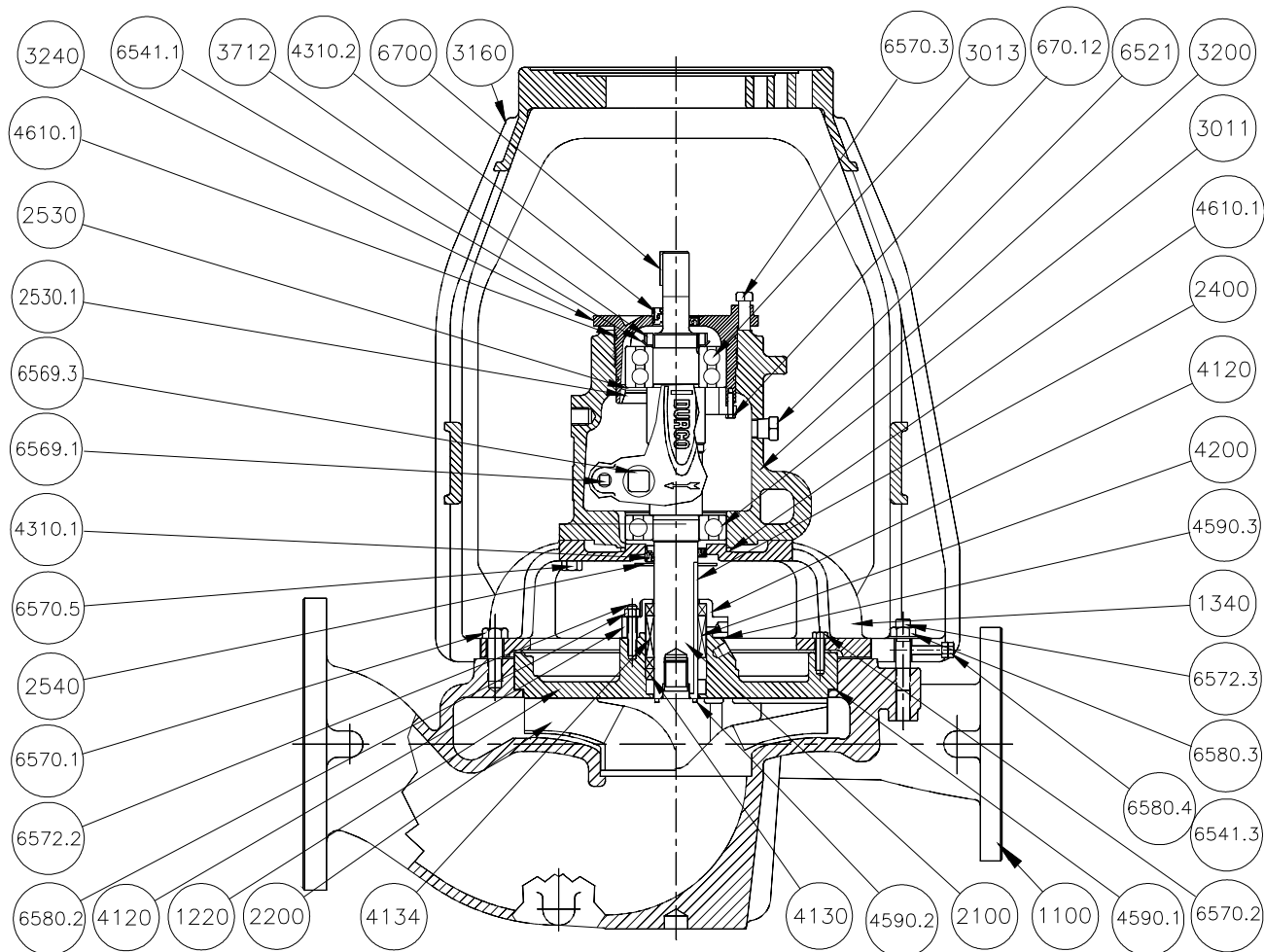
## 8.7 Mark 3 In-Line pump, Group 1



| Item   | Description                  | 4120   | Gland                         | 6570.3   | Screw - bearing carrier set |
|--------|------------------------------|--------|-------------------------------|----------|-----------------------------|
| 1100   | Casing                       | 4130   | Packing - optional            | 6570.12  | Screw - clamp               |
| 1220   | Cover                        | 4134   | Seal cage – packing optional, | 6570.15* | Screw – pump stand          |
| 2100   | Shaft                        | 4200   | Mechanical seal               | 6572.1   | Stud - casing               |
| 2200   | Impeller                     | 4310.1 | Oil seal inboard              | 6572.2   | Stud - gland                |
| 2400   | Sleeve, optional             | 4310.2 | Oil seal outboard             | 6572.3   | Stud – pedestal casing      |
| 2530.1 | Retaining ring - bearing     | 4590.1 | Gasket - cover                | 6575     | Jackscrew                   |
| 2530.2 | Retaining ring - clamp type  | 4590.2 | Gasket - impeller             | 6580.1   | Nut - casing                |
| 2540   | Deflector - inboard optional | 4590.3 | Gasket - Gland                | 6580.2   | Nut - gland                 |
| 3011   | Ball Bearing - inboard       | 4610.2 | O-ring - bearing carrier      | 6580.3   | Nut – pedestal casing       |
| 3013   | Ball Bearing - outboard      | 6521   | Plug - Bearing housing vent   | 6580.4   | Nut – Jackscrew jam nut     |
| 3160   | Motor pedestal               | 6541.1 | Lockwasher - bearing          | 6700     | Key - shaft/coupling        |
| 3170*  | Pump stand                   | 6541.3 | Washer                        |          |                             |
| 3200   | Bearing housing              | 6569.1 | Plug                          |          |                             |
| 3240   | Bearing carrier              | 6569.3 | Plug – Sight gage             |          |                             |
| 3712   | Bearing locknut              | 6570.2 | Screw - cover/adapter         |          |                             |

\*Not Shown

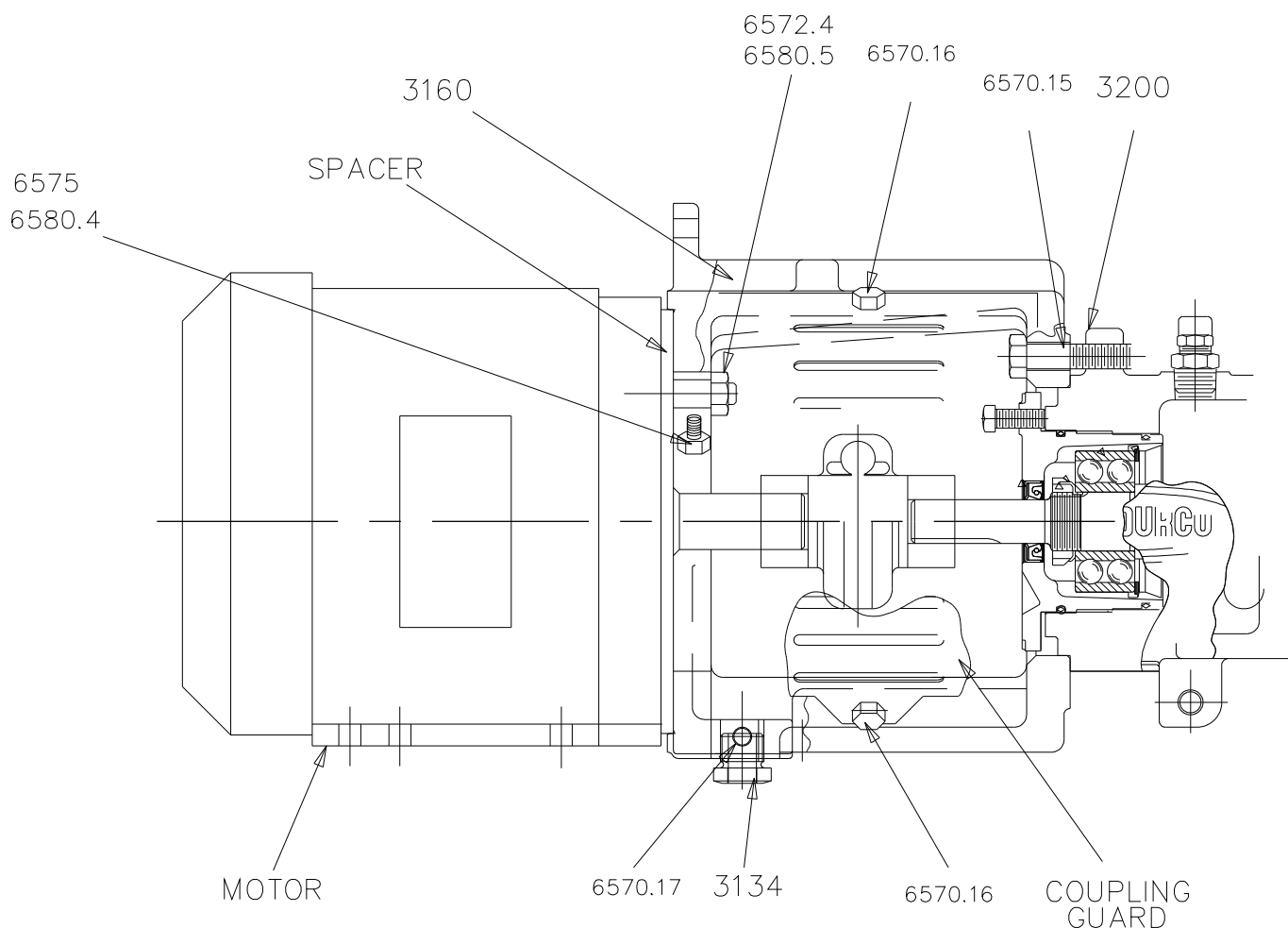
## 8.8 Mark 3 In-Line pump, Group 2



| Item   | Description                  | 3712   | Bearing locknut               | 6569.3   | Plug – sight gage           |
|--------|------------------------------|--------|-------------------------------|----------|-----------------------------|
| 1100   | Casing                       | 4120   | Gland                         | 6570.1   | Screw - casing              |
| 1220   | Cover                        | 4130   | Packing - optional            | 6570.2   | Screw - cover/adapter       |
| 1340   | Adapter - bearing housing    | 4134   | Seal cage – packing optional, | 6570.3   | Screw - bearing carrier set |
| 2100   | Shaft                        | 4200   | Mechanical seal               | 6570.5   | Screw - bearing housing     |
| 2200   | Impeller                     | 4310.1 | Oil seal inboard              | 6570.12  | Screw - clamp               |
| 2400   | Sleeve, optional             | 4310.2 | Oil seal outboard             | 6570.15* | Screw – pump stand          |
| 2530.1 | Retaining ring - bearing     | 4590.1 | Gasket - cover                | 6572.2   | Stud - gland                |
| 2530.2 | Retaining ring - clamp type  | 4590.2 | Gasket - impeller             | 6572.3   | Stud – pedestal casing      |
| 2540   | Deflector - inboard optional | 4590.3 | Gasket - gland                | 6575     | Jackscrew                   |
| 3011   | Ball bearing - inboard       | 4610.1 | O-ring - adapter              | 6580.2   | Nut - gland                 |
| 3013   | Ball bearing - outboard      | 4610.2 | O-ring - bearing carrier      | 6580.3   | Nut – pedestal casing       |
| 3160   | Motor pedestal               | 6521   | Plug - Bearing housing vent   | 6580.4   | Nut – Jackscrew jam nut     |
| 3170*  | Pump stand                   | 6541.1 | Lockwasher - bearing          | 6700     | Key - shaft/coupling        |
| 3200   | Bearing housing              | 6541.3 | Washer                        |          |                             |
| 3240   | Bearing carrier              | 6569.1 | Plug                          |          |                             |

\*Not Shown

## 8.9 Mark 3 C-Face Adapter, Group 1 and 2



| Item    | Description             |        |                 |
|---------|-------------------------|--------|-----------------|
| 3134    | Support foot            | 6572.4 | Stud - motor    |
| 3160    | Motor pedestal – C-Face | 6575   | Jackscrew       |
| 3200    | Bearing housing         | 6580.4 | Nut - jackscrew |
| 6570.15 | Screw – bearing housing | 6580.5 | Nut - motor     |
| 6570.16 | Screw – coupling guard  |        |                 |