

## Material Specifications

**Vertical Turbine****Fire Pump**

| ITEM | DESCRIPTION               | MATERIAL              | SPECIFICATION  |
|------|---------------------------|-----------------------|----------------|
| 1    | Adjusting Nut             | Steel                 | A108GR12L14    |
| 6    | Water Slinger             | Neoprene              | Commercial     |
| 7    | Discharge Head            | Cast Iron             | A48-CL30       |
| 8    | Packing Capscrew          | Steel Grade 2         | Commercial     |
| 9    | Gland Half                | Bronze                | B584 AL836     |
| 11   | Gasket Packing Box        | Tag Board             | Commercial     |
| 12   | Pre-Lube Plug (2)         | Cast Iron             | Commercial     |
| 13   | Sleeve Top Shaft          | Stainless Steel       | AISI 304       |
| 14   | Floor Plate               | Cast Iron             | A48-CL30       |
| 15   | Packing                   | Syn. Graphite Impreg. | Commercial     |
| 16   | Gasket Top Flange         | Tag Board             | Commercial     |
| 17   | Packing Box               | Cast Iron             | A48-CL30       |
| 17A  | Bushing Packing Box       | Bronze                | B505 AL932     |
| 18   | Flange Top Column         | Cast Iron             | A48-CL30       |
| 19   | Top Shaft                 | Steel                 | AISI 1045      |
| 21   | Top Column Pipe           | Steel                 | A53 or A120    |
| 22   | Coupling Lineshaft        | Steel                 | A108 GR12L14   |
| 23   | Lineshaft                 | Steel                 | AISI 1045      |
| 24   | Coupling Column           | Steel                 | A53 or A120    |
| 25   | Bearing Retainer          | Bronze                | B584 AL836     |
| 26   | Bearing                   | Neoprene              | Commercial     |
| 28   | Column Pipe, Intermediate | Steel                 | A53 or A120    |
| 29   | Sleeve Intermediate Shaft | Stainless Steel       | AISI 304       |
| 30   | Column Pipe, Bottom       | Steel                 | A53 or A120    |
| 31   | Coupling Pump Shaft       | Steel                 | A108 GR12L14   |
| 32   | Pump Shaft                | Stainless Steel       | AISI 416       |
| 34   | Bearing Top Bowl          | Bronze                | B505 AL932     |
| 35   | Bearing Intermediate Bowl | Bronze                | B505 AL932     |
| 36   | Bowl Intermediate         | Cast Iron             | A48-CL30       |
| 38   | Impeller                  | Bronze (3)            | B584 AL836     |
| 39   | Lock Collet Impeller      | Steel                 | A108 GR12L14   |
| 40   | Bell Suction              | Cast Iron             | A48-CL30       |
| 41   | Bearing Suction Bell      | Bronze                | B505 AL932     |
| 42   | Strainer                  | Brass                 | Commercial     |
| 42A  | Clip, Strainer            | Brass                 | Commercial     |
| 54A  | Flange Adapter            | Cast Iron             | A48-CL30       |
| 55   | Top Bowl                  | Cast Iron             | A48-CL30       |
| 58   | Sand Collar               | Steel                 | A108 GR12L14   |
| 59   | Plug Suction Bell         | Cast Iron             | Commercial     |
| 88   | Set Screw, Sand Collar    | Steel                 | SAE Bolt Steel |
| 98   | Bowl Wear Ring            | Bronze                | B505 AL932     |

## NOTE:

1. All material specifications are ASTM except where specified and are for description of chemistry only.
2. When applied with diesel engine driver, remove plug and connect to engine heat exchanger for cooling water.
3. Manufacturer's option to furnish bronze, per B548-AL875.

Subject to change without notice.