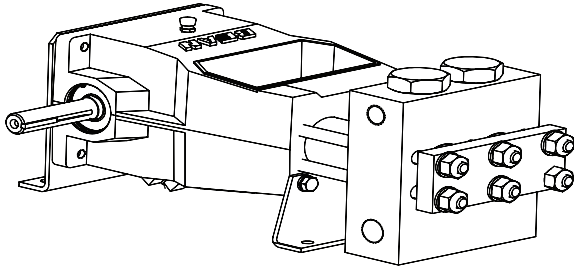


## Do4 Plunger Pump Data

2.7 BHP Continuous Duty (3.2 BHP Intermittent Duty)

### Forged ISO Drawing



### Specifications

|                                       |                            |
|---------------------------------------|----------------------------|
| Pump Model                            | Do4                        |
| Design Standard                       | API-674, Second Edition    |
| Configuration                         | Horizontal Duplex Plunger  |
| Number of Plungers                    | 2                          |
| Stroke Length                         | 1.0 Inches                 |
| Frame Load Rating                     | 950 lbs                    |
| Forged Fluid Cylinder Pressure Rating | 2,150 psi                  |
| Cast Fluid Cylinder Pressure Rating   | Not Available              |
| Pump Weight (Average)                 | 75 lbs                     |
| Intermittent Duty Speed Rating        | 600 RPM                    |
| Continuous Duty Speed Rating          | 500 RPM                    |
| API-674 Max Recommended Speed         | 500 RPM                    |
| Minimum Speed                         | 25 RPM                     |
| Mechanical Efficiency                 | 90%                        |
| Lubrication System (Standard)         | Splash, Gravity Return     |
| Lubrication System (Optional)         | NA                         |
| Lube Oil Capacity                     | 1 Quarts                   |
| Lube Oil Type                         | SAE 30                     |
| Maximum Fluid Temperature             | 200 °F (400 °F Capability) |
| Minimum Fluid Temperature             | -20 °F (-50 °F Capability) |
| Valve Types                           | Disc Valves                |

| Forged Fluid End Material   | Cast Fluid End Material |
|-----------------------------|-------------------------|
| A105 Carbon Steel           | Not Available           |
| A350-LF2 Carbon Steel       |                         |
| 316L Stainless Steel        |                         |
| 2205 Duplex Stainless Steel |                         |

*\* Special Materials available on request*

| Standard Connection Sizes | Suction | Discharge |
|---------------------------|---------|-----------|
| Do404 - Do408             | 0.75    | 0.50      |
|                           |         |           |
|                           |         |           |

- Consult FMC for specific exceptions to API-674 and NACE standards.
- Consult FMC for any application where inlet pressures will exceed 10% of rated discharge pressure.
- Horsepower based on 90% mechanical efficiency. Actual application horsepower requirements can be calculated using the equation:  $BHP = (GPM * PSI) / (1714 * 0.90)$
- Direction of rotation is the top of the crankshaft towards the fluid head.

