900088

Gear System

Powder-Coated

Used For

- Gear Oil
- Other high viscosity oil
- Use with petroleum or synthetic fluids

Capacity, Sump Size & Flow Rate

- Requires 4 Qt./3.79 L. of makeup fluid (housing volume)
- ****Cold oil** sump range: 0-20 Gal./0-75.71 L.
- ****Warm oil** sump range: 0-40 Gal/0-151.42 L.
- ****Hot oil** sump range: 0-45 Gal/0-170.34 L.
- *Flow rate range for **ISO: 220-320** from .25-.85 GPM/.95-3.22 LPM
- *Flow rate range for **ISO 460-1000** from .15-.75 GPM/.57-2.84 LPM

Other Specifications

- 1 GPM 65 PSI pump *(not fluid flow rate)*
- 1/2 HP 1140 RPM motor (TEFC)
- 120 volt, single phase
- 10’ heavy duty power cord with built in toggle switch
- Pressure gauge
- Push sample port
- Hoses
  -Suction-5/8” ID x 6’ (5/8” male NPT x 5/8” female JIC)
  -Discharge-5/8” ID x 6’ (5/8” male NPT x 5/8” female JIC)
- Max operating pressure 80 PSI
- **Optimal running pressure between 20-50 PSI (change filter when 50-60 PSI)

Overall Dimensions

- 32” (H) *Plus 10” Clearance above to remove filter*
- 18.5” (W)
- 19” (D)
- 113 lbs./51.26 kg. shipping weight

Recommended Elements

- Model 1504 *for ISO: 220, 320, 460, 680, 1000*

Notes

- **Flow rates are established using ISO 220-1000 viscosity oils at the standard 40° C/104° F and are subject to vary
- **Viscosity, operating temperature, and generated contamination will affect sizing and flow rates of filtration equipment
- Most applications, elements need to be changed between 300-1000 hours for optimal performance, ideally change the element when the flow is half the starting flow or the PSI is double the starting PSI
- Available in stainless-steel
- Available option for water-based lubricants
- Other system configurations are available

Harvard Corporation is able to meet many custom requirements, please contact us with you specific custom needs