Harvard Corporation

900400

Hydraulic System

Powder-Coated

Used For
- Hydraulic Oil
- Transmissions Oil
- Other low viscosity oil
- Use with petroleum or synthetic fluids

Capacity, Sump Size & Flow Rate
- Requires 56 Qt./53 L. of makeup fluid (housing volume)
- **Cold oil** sump range: 300-1000 Gal./1135.6-3785.4 L.
- **Warm oil** sump range: 520-1800Gal/1968.4-6813.7 L.
- **Hot oil** sump range: 680-2160 Gal/2574.1-8176.5 L.
- *Flow rate range for **ISO: 10-32** from 3.75-15 GPM/14.2-56.8 LPM
- *Flow rate range for **ISO 46-150** from 2.75-12 GPM/10.4-45.4 LPM

Overall Dimensions
- 60" (H) *Plus 20" Clearance above to remove filter*
- 30" (W)
- 48" (D)
- 510 lbs./231.3 kg. shipping weight

Recommended Elements
- X2 Model 1202 *for ISO: 10, 15, 22, 32*
- X3 Model 1203 *for ISO: 46, 68*
- X2 Model 1204 *for ISO: 100, 150*

Other Specifications
- 20 GPM 65 PSI pump *(not fluid flow rate)*
- 2 HP 1750 RPM motor (TEFC)
- 480 volt, three phase
- Wire directly into shop electricity *(Does not come with power cord)*
- PSI switch low limit-12, high limit-65
- Pressure gauge
- Push sample port *(located on back panel)*
- Plumb directly into shop *(Does not come with hoses)*
    - Suction port-1 1/4" female NPT
    - Discharge port– 1 1/4" female NPT
- Max operating pressure 125 PSI
- **Optimal running pressure between 20-50 PSI (change filter when 50-60 PSI)

Notes
- **Flow rates are established using ISO 10-150 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 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