



# 900035 87D-8-T-AIR 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 40 Qt./37.9 L. of makeup fluid (housing volume)
- \*\*Cold oil sump range: 74-300 Gal./280.1-1135.6 L.
- \*\*Warm oil sump range: 145-520 Gal./548.9-1968.4 L.
- \*\*Hot oil sump range: 330-680 Gal./1249.2-2574.1 L.
- \*Flow rate range for **ISO: 10-32** from 1.9-6.5 GPM/7.2-24.6 LPM
- \*Flow rate range for **ISO 46-150** from 1.38-3.0 GPM/5.2-11.4 LPM

## Other Specifications

- Has Max CFM of 78
- 8 GPM 65 PSI pump (*not fluid flow rate*)
- 1 3/4 HP Air motor
- Pressure gauge
- Push sample port (*located by transfer valve*)
- Transfer valve
- Hoses
  - Suction-3/4" ID x 10' (3/4" male NPT x 3/4" female JIC)
  - Discharge-5/8" ID x 10' (3/4" 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

- 46" (H) *Plus 20" Clearance above to remove filter*
- 23" (W)
- 23" (D)
- 195 lbs./88.5 kg. shipping weight

## 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 in stainless-steel
- Available option for water-based lubricants
- Other system configurations are available

## Recommended Elements

- X2 Model 1002 for ISO: 10, 15, 22, 32
- X2 Model 1004 for ISO: 46, 68, 100, 150

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