



# TRINITY REFINING & SAFETY SYSTEMS

## TRINITY

OIL, FUEL, AND WATER SOLUTIONS



137 West Etienne Rd.  
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337-283-0202  
[trinityrss.com](http://trinityrss.com)

### USED FOR:

*Hydraulic Oil, Transmission Oil, Other low viscosity oil,  
Use with petroleum or synthetic fluids*

### CAPACITY, SUMP SIZE & FLOW RATE

- Requires 20 Qt./37.9 L. of makeup fluid (housing volume)
- **\*\*Cold oil** sump range: 37-150 Gal./140.1-767.8 L.
- **\*\*Warm oil** sump range: 72-260 Gal./272.5-984.2 L.
- **\*\*Hot oil** sump range: 165-340 Gal./624.6-1287.0 L.
- \*Flow rate range for **ISO: 10-32** from .95-3.25 GPM/3.6-12.3 LPM
- \*Flow rate range for **ISO: 46-150** from .69-1.5 GPM/2.6-5.7 LPM

### SPECIFICATIONS

- 46"(H) Plus 20" clearance above to change filter
- 23"(W)
- 23"(D)
- Shipping weight: 165 LB/74.8 kg
- Max operating pressure 80 PSI
- 5 GPM 65 PSI pump (not fluid flow rate)
- 3/4 HP 1725 RPM motor (TEFC)
- 120 volt, single phase
- 12" heavy duty power cord
- PSI switch low limit-12, high limit-65
- Pressure gauge
- Push sample port (located on back panel)
- 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)**

Trinity  
Single  
Portable  
Hydraulic  
System

Powder-Coated



### 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 options for water-based lubricants
- Other system configurations are available

### RECOMMENDED ELEMENT

- Model TR1002 for ISO: 10, 15, 22, 32
- Model TR1004 for ISO: 46, 68, 100, 150

\*Trinity is able to meet a variety of requirements, please contact us with your specific custom needs.



### MAGMICRON TECHNOLOGY



- Charged polarity source + 1 micron filter element provides unequalled oil & fuel purification
- Removes water and acid buildup
- Extends engine life 3X
- Reduces maintenance costs 85%
- Reduces oil service 4X
- Reduces engine rebuild by 67%
- Reduces hydrocarbon emissions