1004 Element

30PSI	70°F/21.1°C	104°F/40°C	150°F/65.6°C
46	1.25G/4.73L	2.25G/8.52L	4.38G/16.56L
68	1.12G/4.16L	1.63G/8.52L	4G/15.14L
100	.53.G/2.01L	1.31G/4.97L	3.38G/12.78L
150	.44G/1.66L	1.13G/4.26L	2.88G/10.88L

Chart data ***G—Gallons Per Minute, L-Liters Per Minute*

Recommended Viscosities

- Diesel Fuel
- ISO: 46, 68, 100, 150
- SAE: 20, 30, 40

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

Description

- Removes contaminants as low as 1-micron
- Removes water and particles
- Does not remove or deplete additives

Used For

- Hydraulic Oil
- Engine Oil
- Transmission Oil
- Transformer Oil
- Cutting Oil
- Other medium viscosity oil-based lubricants
- Diesel Fuel

Capacity & Flow Rate

- Requires 20 Qt./18.9 L. of makeup fluid (housing volume)
- *Ideal sump range from 16-250 Gal./60.6-946.4 L.
  Lube 16-22 Gal./60.6-83.3 L.
  Hydraulic 151-250 Gal./571.6-946.4 L.
- **Flow rate: See chart

Specifications

- $Beta_3$=250
- Max operating pressure 80 PSI
- Overall dimensions 19.75” (H), 7.5” (D)
- Fits part # 900102, 900101, 900311, 900358, 900372, 900243, 900865, 900320, 900188, 900186, 900245, 900265, 900267, 900269, 900281, 900280, 900368, 900033, 900035
- Used with petroleum or synthetic fluids & diesel fuel

Notes

- **Flow rates are established using ISO 46-150 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 500-1000 hours for optimal performance, ideally change the element when the flow is half the starting flow or the PSI is double the starting PSI
- The max dirt & water capacities are determined when the flow is reduced by half the original flow *(this is the optimal operating condition)*