



Better Pumps. Better Coverage.

Universal Fuel Pump Applications - Technical Service Bulletin

Airtex offers universal electric fuel pumps in many configurations, including 6, 12, and 24 volt systems for carbureted, fuel-injected, diesel, marine, specialty and heavy-duty applications.

When It Comes To Universal Fuel Pumps, Airtex Has You Covered

Airtex universal fuel pumps undergo the same rigorous design validation standards and production line testing as the rest of the Airtex fuel pump lineup. Utilizing the very latest in component technology and only the highest quality materials ensures the performance and durability that you have come to expect from the Airtex brand. Every pump is 100% end-of-the-line tested for worry free, out-of-the-box performance.

Choosing The Correct NAPA Universal Fuel Pump

Airtex offers a wide range of universal pumps with a varying range of pressure and flow specifications to meet your application's specific requirements. It is important that you select the correct universal pump to meet your application's specific needs. Choosing a pump with lower pressure or flow than your application requires can lead to fuel starvation, resulting in drivability issues or no start conditions. Choosing a pump that produces too much pressure or flow could create fuel flooding and potentially a safety issue, including fire.

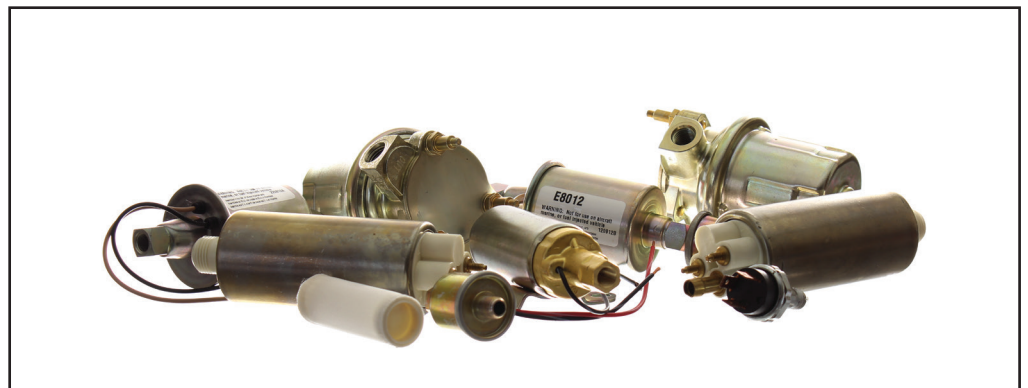
The key components to help properly identify the correct Airtex universal pump for your application are:

- Voltage (6, 12 or 24 volts)
- Fuel Pressure
- Fuel Flow (Gallons per hour)
- Inlet/Outlet Size

IMPORTANT NOTE: Airtex universal pumps are not designed as a replacement for OEM electric fuel pumps, they are made for custom vehicles, replacing obsolete mechanical fuel pump designs and specialty vehicle applications such as those listed on the Universal Fuel Pump Application Reference Chart.

When purchasing an Airtex universal fuel pump – **Always refer to the Airtex Universal Fuel Pump Application Reference Chart located on the next page.**

When in doubt of which pump fits your needs, call our technical assistance helpline at 1.800.424.7839.





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Airtex Universal Fuel Pump Applications Reference Chart

ALWAYS REFER TO THIS CHART AND VEHICLE SPECIFICATIONS WHEN CHOOSING A NAPA UNIVERSAL ELECTRIC FUEL PUMP

Carbureted Applications

| PART NUMBER | VOLTS | PRESSURE | FLOW | INLET/OUTLET SIZE | SUGGESTED APPLICATIONS | Gasoline | Diesel |
|-------------|-------|-------------|--------|-------------------|--|----------|--------|
| E8004 | 12 | 4–6 PSI | 35 GPH | 5/16" Hose | High Performance Carbureted Applications | ✓ | ✗ |
| E8011 | 6 | 5–8 PSI | 30 GPH | 5/16" Hose | 6 Volt Carbureted Applications | ✓ | ✓ |
| E8012S | 12 | 5–9 PSI | 30 GPH | 5/16" Hose | Domestic Carbureted, 5/16" hose | ✓ | ✓ |
| E8016S | 12 | 2.5–4.5 PSI | 30 GPH | 5/16" Hose | Import Passenger and Light Truck Carb | ✓ | ✓ |
| E8090 | 12 | 5–9 PSI | 30 GPH | 3/8" Hose | Domestic Carbureted, 3/8" hose | ✓ | ✓ |
| E8135 | 24 | 5.5–9 PSI | 35 GPH | 3/8" Hose | Large Carbureted Gas Engines, 24 volt system | ✓ | ✓ |
| E8902 | 6 | 2.5–4.5 PSI | 30 GPH | 5/16" Hose | 6 Volt Carbureted Applications | ✓ | ✓ |

Fuel-Injected Applications

| PART NUMBER | VOLTS | PRESSURE | FLOW | INLET/OUTLET SIZE | SUGGESTED APPLICATIONS | Gasoline | Diesel |
|-------------|-------|-------------|-----------|-------------------|-------------------------------|----------|--------|
| E8094 | 12 | 12–17 PSI | 45-50 GPH | 5/16" Hose | GM TBI Replacement | ✓ | ✗ |
| E8228 | 12 | 100–125 PSI | 38 GPH | 5/16" Hose | MPI Universal Replacement | ✓ | ✗ |
| E8248 | 12 | 110–120 PSI | 60-70 GPH | 3/8" Hose | High Performance MPI | ✓ | ✗ |
| E8445 | 12 | 45–65 PSI | 35 GPH | 5/16" Hose | Universal Fuel Injection Pump | ✓ | ✗ |
| E8446 | 12 | 105–115 PSI | 50-60 GPH | 5/16" Hose | Universal Fuel Injection Pump | ✓ | ✗ |

Marine Applications

| PART NUMBER | VOLTS | PRESSURE | FLOW | INLET/OUTLET SIZE | SUGGESTED APPLICATIONS | Gasoline | Diesel |
|-------------|-------|-------------|--------|-------------------|---------------------------------|----------|--------|
| E8251 | 12 | 2.5–4.5 PSI | 30 GPH | 5/16" hose | Marine Low Pressure | ✓ | ✓ |
| E8267 | 24 | 5–9 PSI | 30 GPH | 3/8" hose | Marine Carbureted | ✓ | ✓ |
| E8337 | 12 | 5–9 PSI | 30 GPH | 5/16" hose | Marine Carbureted | ✓ | ✓ |
| E84389 | 12 | 5–7 PSI | 72 GPH | 3/8" hose | Large Marine Carbureted Engines | ✓ | ✓ |

Specialty & Heavy Duty Applications

| PART NUMBER | VOLTS | PRESSURE | FLOW | INLET/OUTLET SIZE | SUGGESTED APPLICATIONS | Gasoline | Diesel |
|-------------|-------|------------|---------|-------------------|------------------------------------|----------|--------|
| E8120 | 12 | 5–9 PSI | 40 GPH | 3/8" Hose | Motor Home Power Assist | ✓ | ✗ |
| E84070N | 12 | 4–5.75 PSI | 72 GPH | 3/8" Hose | Large HD Carbureted Engines | ✓ | ✓ |
| E84259 | 6 | 4–5.75 PSI | 72 GPH | 3/8" Hose | 6 Volt Large HD Carbureted Engines | ✓ | ✓ |
| E84600 | 12 | 6–8 PSI | 100 GPH | 1/2" Hose | High Performance | ✓ | ✓ |

Diesel Applications

| PART NUMBER | VOLTS | PRESSURE | FLOW | INLET/OUTLET SIZE | SUGGESTED APPLICATIONS | Gasoline | Diesel |
|-------------|-------|-----------|--------|-------------------|---------------------------------------|----------|--------|
| E8131 | 24 | 10–14 PSI | 35 GPH | 3/8" Hose | 24 Volt Large Diesel Applications | ✓ | ✓ |
| E8153 | 12 | 10–14 PSI | 35 GPH | 3/8" Hose | Diesel Engines | ✓ | ✓ |
| E8845 | 12 | 18–30 PSI | 55 GPH | 3/8" Hose | Diesel Engines | ✗ | ✓ |
| E8887 | 12 | 10–14 PSI | 35 GPH | 5/16" Hose | Carbureted gas or diesel applications | ✓ | ✓ |

Required Associated Parts

| PART NUMBER | DESCRIPTION |
|-------------|--|
| OS75 | Universal oil pressure safety switch – Used with universal fuel pump installation |
| G17 | Fuel filter – Used with E8011, E8012S, E8016S, E8902; 5/16" Inlet/Outlet |
| FS253 | Universal replacement fuel strainer used with carb application fuel sender – 3/8" Inlet |
| FS254 | Universal replacement fuel strainer used with carb application fuel sender – 5/16" Inlet |