



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 Airtex 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.

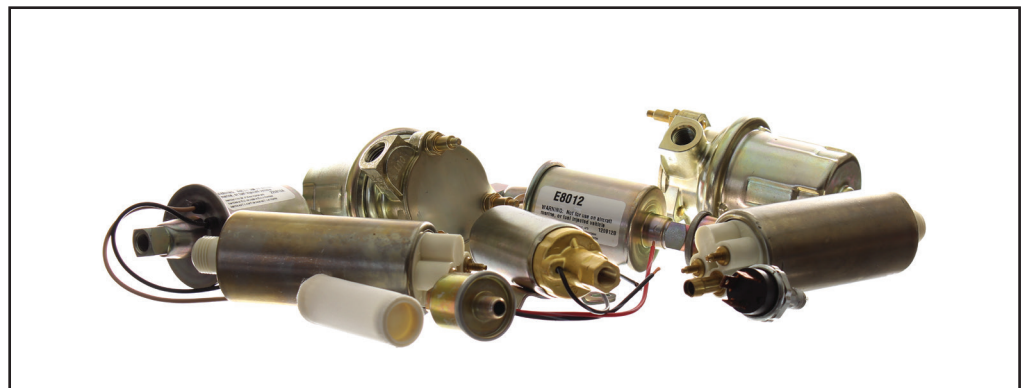
The key components to help properly identify the correct Airtex universal pump for your application are:

- 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 AN AIRTEX 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