DATA BULLETIN

The First in Synthetics®

Ea® Bypass Oil Filter

Engineered for Outstanding Oil Filtration Efficiency

AMSOIL Ea Bypass Oil Filters provide maximum filtration protection against wear and oil degradation. Working in conjunction with the engine's full-flow oil filter, AMSOIL Ea Bypass Filters operate by filtering oil on a "partial-flow" basis. They draw approximately 10 percent of the oil sump's capacity at any one time and trap the extremely small, wear-causing contaminants that full-flow filters can't remove. AMSOIL Ea Bypass Filters typically filter all of the oil in the system several times an hour, so the engine continuously receives analytically clean oil.

EaBP90 • EaBP100 • EaBP110

Higher Efficiency

AMSOIL Ea Bypass Filters have an absolute efficiency of 98.7 percent at two microns. This highly efficient filter provides exceptional filtration performance, removing all the particles known to reduce engine life.

Superior Construction

AMSOIL Ea Bypass Filters have a marine powder-coated exterior and a zinc-dichromate base plate to provide excellent corrosion protection. Ea Bypass Filters feature a nitrile HNBR gasket, an orange silicone anti-drain valve and two-stage pleated and layered cellulose/full-synthetic media.

Filter Service Intervals

Ea Bypass Filters offer long service life. Do not exceed the limits listed in the chart below.

	EaBP90	EaBP100	EaBP110
Mileage	60,000	70,000	80,000
Hours	600	800	1,200
Time	2 years	2 years	2 years

Increased Oil Capacity

The increased fluid system capacity and filtration life provides improved oil cooling and ensures that equipment constantly runs on clean oil. Engine efficiency is increased, providing extended engine life.

Soot Removal

AMSOIL has designed a high-efficiency bypass filter element that is also a soot removal device. AMSOIL Ea Bypass Filters use a synthetic/cellulose sandwiched media. The inner layer of the element is composed of a highly efficient cellulose media covered with a full-synthetic media outer layer. According to ISO 23556 testing, Ea Bypass Filters remove 39 percent of soot contaminants less than one micron.

Bypass Filtration Benefits

- Significantly extended engine life
- Efficient removal of small particles and soot
- Removal of particles less than one micron
- Increased engine efficiency
- Improved oil cooling
- Helps maintain oil viscosity
- Reduces unscheduled downtime
- Reduces operational costs
- Increased fluid system capacity
- Increased filtration capacity and life
- Environmentally friendly
- Extended drain intervals

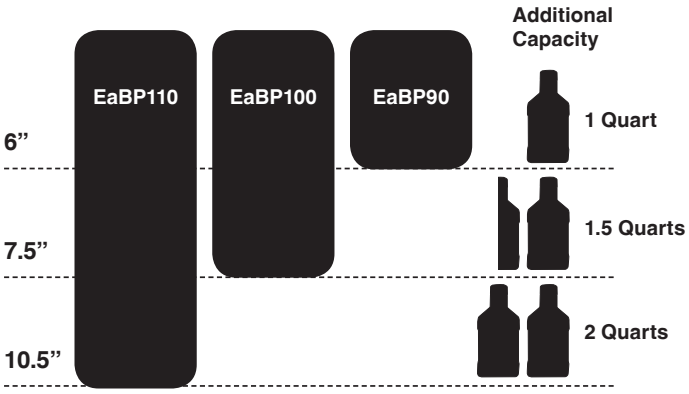
AMSOIL Bypass Filter Application Information

Type of Unit	Stock Number	Additional Oil Needed[a]	Crankcase Capacity[b]	Applications
SINGLE SPIN-ON ELEMENT (Used with BMK21 or any DUAL REMOTE SYSTEM)	EaBP90	1 qt.	Up to 9 qt.	Pleasure Vehicles, Light Trucks and Smaller Commercial Applications
	EaBP100	1.5 qt.	Up to 15 qt.	
	EaBP110	2 qt.	Up to 21 qt.	
DUAL SPIN-ON ELEMENT (Used with BMK22 DUAL-GARD®)	(2) EaBP90s	2 qt.	15 to 18 qt.	Large Trucks, Construction, Farm and Industrial Equipment
	(2) EaBP100s	3 qt.	15 to 30 qt.	
	(2) EaBP110s	4 qt.	15 to 42 qt.	

a. Make sure to check oil level with engine oil dipstick to ensure proper level. This additional volume is an estimate and should be properly evaluated using the dipstick.

b. Filters can be used on sumps of larger capacity but may require more frequent replacement.

Bypass Filter Sizes



When determining which filter to purchase, choose the largest size that will fit in your application.

NOTES:

1. Special adapters and hardware may be required for some installations.
2. Contact AMSOIL INC. Technical Services for instructions before installing on vehicles with cast aluminum oil pans.

AMSOIL PRODUCT WARRANTY

AMSOIL products are backed by a Limited Liability Warranty. For complete information visit www.amsoil.com/warranty.aspx.

AMSOIL products and Dealership information are available from your local full-service AMSOIL Dealer.

The First in Synthetics®

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