



## Ea<sup>®</sup> By-Pass Oil Filter

### Engineered for Outstanding Oil Filtration Efficiency

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

#### Higher Efficiency

AMSOIL Ea By-Pass Filters have an efficiency of 98.7 percent at two microns. At normal operating RPM Ea By-Pass Filters will filter all of the oil in a typical five-quart sump in less than 10 minutes.

#### Superior Construction

The superior construction of AMSOIL Ea By-Pass Filters provides better sealing and increased longevity along with superior corrosion resistance.

AMSOIL Ea By-Pass Filters have a marine powder-coated exterior, and their zinc-dichromate base plates increase rust protection. Ea By-Pass Filters have a nitrile HNBR gasket and an orange silicone anti-drain valve. The two-stage pleated and layered cellulose/full-synthetic media has an efficiency rating of 98.7 percent at two microns.

#### Longer Lasting

When used in conjunction with AMSOIL motor oil and an AMSOIL Ea or Donaldson<sup>®</sup> Endurance<sup>™</sup> Full-Flow Oil Filter, Ea By-Pass Filters should be changed every other full-flow filter change up to 60,000 miles. When used with other brands of motor oil or full-flow filters, Ea By-Pass Filters should be changed every other full-flow filter change. AMSOIL recommends using oil analysis when extending oil drain intervals.

#### 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 by-pass filter element that is also a soot removal device. AMSOIL Ea By-Pass 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 By-Pass Filters remove 39 percent of soot contaminants less than one micron. Soot removal efficiency increases approximately 10 to 14 percent when an Ea By-Pass Filter is used in conjunction with a standard full-flow filter.

#### By-Pass Filtration Benefits

- Dramatically Extended Drain Intervals
- Improved Oil Cooling
- Increased Filtration Capacity and Life
- Increased Fluid System Capacity
- Efficient Removal of Small Particles and Soot
- Significantly Extended Engine Life
- Equipment Constantly Runs on Clean Oil
- Increased Engine Efficiency
- Removal of Particles Less than One Micron

## AMSOIL By-Pass Filter Replacement Chart

Type of Unit	Stock Number	Size (Approx.)	Additional Oil Needed	Crankcase Capacity <sup>a</sup>	Normal Service Life <sup>b</sup>	Applications
SINGLE SPIN-ON ELEMENT  (Used with BMK21 or any DUAL REMOTE SYSTEM)	EaBP90	Diam. = 4.3 in. Height = 5.8 in. With Mnt. = 8 in.	1 qt.	Up to 9 qt.	When used in conjunction with AMSOIL motor oil and an EaO or Donaldson® Endurance™ filter, EaBP Filters should be changed every other full-flow filter change up to 60,000 miles.  When used with other brands of motor oil or full-flow filters, the EaBP Filter should be changed every other full-flow filter change. AMSOIL recommends using oil analysis when extending oil drain intervals.	Pleasure Vehicles, Light Trucks and Smaller Commercial Applications
	EaBP100	Diam. = 4.3 in. Height = 7.3 in. With Mnt. = 10 in.	1.5 qt.	Up to 15 qt.		
	EaBP110	Diam. = 4.3 in. Height = 10.4 in. With Mnt. = 12 in.	2 qt.	Up to 21 qt.		
DUAL SPIN-ON ELEMENT  (Used with BMK22 Dual Gard®)	(2) EaBP90's	Width = 5 in. Length = 9.5 in. Height = 8 in.	2 qt.	15 to 18 qt.		Large Trucks, Construction, Farm and Industrial Equipment  (minimum sump capacity = 15 qt.)
	(2) EaBP100's	Width = 5 in. Length = 9.5 in. Height = 10 in.	3 qt.	15 to 30 qt.		
	(2) EaBP110's	Width = 5 in. Length = 9.5 in. Height = 12 in.	4 qt.	15 to 42 qt.		

- a. Filters can be used on sumps of larger capacity but then require more frequent replacement. Full details on service life included with filter installation instructions.
- b. Data determined in a non-turbo gasoline engine with AMSOIL 100% Synthetic Motor Oil and AMSOIL Ea Full-Flow Oil Filter. Service life varies in other engines (turbo and diesel) and with other oils and filters.

### NOTES:

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

### APPLICATIONS

#### Vehicles with sump capacities up to and including 15 qts.

##### MOUNT

- BMK21 (Filters sold separately)
- BMK23 (Filters and spin-on adapter sold separately)
- BMK25 Cummins Diesels (Filters and spin-on adapter included)
- BMK26 International Diesels (Filters and spin-on adapter included)
- BMK27 Duramax Diesels (in GM Pick-ups) (Filters and spin-on adapter included)

##### FILTER

- Any size AMSOIL Ea By-Pass Filter Element
- Any size AMSOIL Ea By-Pass Filter Element
- EaO26 and EaBP100 Ea By-Pass Filter Element
- EaO26 and EaBP100 Ea By-Pass Filter Element
- EaO26 and EaBP100 Ea By-Pass Filter Element

#### Vehicles with sump capacities greater than 15 qts.

##### MOUNT

- BMK22 Dual Gard® (Hose and filters sold separately)

##### FILTER

- Any size AMSOIL Ea By-Pass (mount requires two filters)



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