

## Frequently Asked Questions

### Encore<sup>®</sup> 700S Encore S E25 Compatible Unit Options

#### **General Information**

**Q: What can an Encore 700S / Encore S equipped with the E25 option do for my customers' fuel marketing?**

A: An Encore 700S / Encore S unit with E25 hydraulics will allow your customers to deliver gasoline products with up to 25% ethanol content. As the blend wall is expected to go higher, a listed E25 dispenser allows retailers to dispense grades higher than E10 and maintain a listed unit.

**Q: Can you explain the UL listing vs. warranty? I thought all standard Encore units were good up to E15.**

A: Standard Encore dispensers carry a warranty for safe and efficient operation up to 15% ethanol with the UL listing covering the units up to E10. The upfit allows the unit to carry a UL listing up to 25% ethanol and future proofs the retailer from future changes to the ethanol blend wall.

**Q: Why E25 and not E40 for example?**

A: UL has created 3 tiers of ratings. The table below highlights Gilbarco's compatibility and warranty information for each tier.

Gilbarco Dispenser	UL Agency Rating	Ethanol Range	Hydraulic Upfit Required	Gilbarco Warranty
Standard Encore	UL87	E0 – E10	None	Up to E15
E25 Encore	UL87a	E0 – E25	E25 Upfit	Up to E25
E85 Encore	UL87a	E0 – E85	E85 Upfit	Up to E85

#### **Factory Installed Unit Option**

**Q: Which Encore models are available with the upgraded E25 hydraulics?**

A: The E25 hydraulic option will be available in all models of the Encore 700S and Encore S except for Ultra-Hi's and self-contained pumps.

**Q: How do I order the E25 Unit option? Is it like the Flex Fuel adder and ordered by individual inlet?**

A: The E25 option for the Encore S will be applied across the entire hydraulic set of components. In other words, if you order the option, all of the inlets of that model will be compatible with ethanol fuel up to E25. Check the [GPL-1500](#) for applicable pricing.

**Q: Will my customers be able to blend standard gasoline feedstock with higher ethanol fuels to make E15?**

A: Blending standard gasoline with higher than 25% ethanol fuel will require the Flex Fuel adder on the inlet that is plumbed to the tank holding the high ethanol product (typically E85). Your customers would not want to use the same hose to deliver E15 (or lower concentration products) and other ethanol products with content higher than E15.

**Q: How do I quote an E25 dispenser? When E85 is on the same unit?**

A: All hydraulics will be UL listed to E25 except when the + 1 is rated for E85. See pricing example below for the most common types of dispenser configurations.

<u>Model</u>	<u># Product Inlets</u>	<u>Products Dispensed</u>	<u>Product Inlets rated for E25</u>	<u>List Adder</u>
NL1	3 (Low, High, & Diesel)	87, 89, 91 and Diesel	3	(3) E25
NL1	3 (Low, High, & E85)	87, 89, 91 and E85	2 and 1 rated for E85	(2) E25 + (1) E85 FF adder
NN1	2 ( Low & High)	87, 89, 91	2	(2) E25
NJ2	3 (Low, High, & E85)	87, 89, 91, and E85	2	( 2) E25 + (1) E85 FF adder
NG0	3 (Unleaded, Plus, Premium)	87, 89, 91	3	(3) E25

**Q: Can I order the E25 option with an Encore 300?**

A: The factory installed E25 option is available on the Encore 700S and Encore S only.

**Q: Is the Ecometer option available and listed to E25?**

A: Testing is in process for the Ecometer unit at Underwriter’s Laboratory and we expect the E25 listing in Q1 2013.

**E25 Retrofit Kits**

**Q: Why would my customer want to upgrade his Encore to be E25 compatible?**

A: E25 fuel compatibility will be required by most States and Insurance companies (as well as Underwriters’ Laboratory in order to maintain the “Listing”) when offering E15 fuel or any other mid-level blend fuel up to E25 for sale on the fuel island.

**Q: When will the E25 field retrofit kits for Encore be available?**

A: Retrofits kits for the standard Encore hydraulic (non-Ultra-Hi) have been UL approved and we will begin taking orders August 1 for shipment in September.

**Q: What models of Encore can be field upgraded to meet the E25 regulation?**

A: Encore 700S, 500S, and 300 built since April 2003 with the Proportional control valve can be upgraded with an E25 kit to allow E15 fuel marketing.

**Q: Should my customer upgrade all of the inlets in the dispenser to be E25 compatible?**

A: No. The only hydraulic tree that needs to be upgraded is the one that will receive the higher ethanol fuel from the underground tank.

**Q: Can you blend E85 and E10 together and dispense E15?**

A: Yes. As long as the inlet receiving E85 has been upgraded to include the Flex Fuel option you will be able to blend E15. The E25 option does not apply in this case since the high alcohol option (E85) was purchased and built into the dispenser at the factory.

**Q: How long will it take to install the E25 Kit?**

A: E25 kits are essentially a single lower hydraulic assembly. Depending on access, we would anticipate about 3 hours to complete the conversion.

**Q: Does Gilbarco have any recommendation for a fuel marketer who is considering adding E15 to their fuel island?**

A: Gilbarco recommends that Marketers considering adding E15 to their fuel offering contact their state and local AHJ to determine markings and/or mis-fueling labeling prevention/ mitigation requirements. Gilbarco would also strongly suggest the fuel marketer consider using equipment with a dedicated individual hose (non-shared) for dispensing E15. Many small engine manufacturers have not approved E15 for use in their products.

**Retrofit Model Table**

Outlined below are the models and inlet locations capable of being upgraded with the E25 retrofit kit.

<b><u>Model</u></b>	<b><u>Description</u></b>	<b><u>Inlets Capable of Upgrade</u></b>	<b><u>Kit Part Number</u></b>
NAO - NA3	Standard MPD Dispensers	W,X, Y,& Z (All)	M12658K001 ( 1 Inlet/Hydraulic)
NN1-NN3	X+0 Blender Dispensers	W and X (All) (May not be suitable in all cases due to shared hose dispensing)	M12658K001 ( 1 Inlet/Hydraulic)
NLO-NL3	X+1 and X+1+ 1 Blender Dispensers	W, X, Y & Z (All) (May not be suitable in all cases due to shared hose dispensing)	M12658K001 ( 1 Inlet/Hydraulic)
NJ2	Multi-Hose Blender Dispensers	Z (+1 position only)	M12658K001 ( 1 Inlet/Hydraulic)
NJ4	Multi-Hose Hybrid Blender Dispenser 3+2	W & X Only	M12658K001 ( 1 Inlet/Hydraulic)
NG0, NG1, & NG4	Single-hose and Single-hose+1 Dispensers	W, X, Y, & Z (May not be suitable in all cases due to shared hose dispensing)	M12658K001 ( 1 Inlet/Hydraulic)