

## Dispensers and Fueling Equipment Reference Guide

**DISPENSER:** A dispenser (pump) is a unit that generally offers fuel and allows payment on two sides.

**REFUELING POSITION:** The number of spots a vehicle can pull into and purchase a particular fuel (E10, E15, diesel, etc.).



Refueling  
Positions

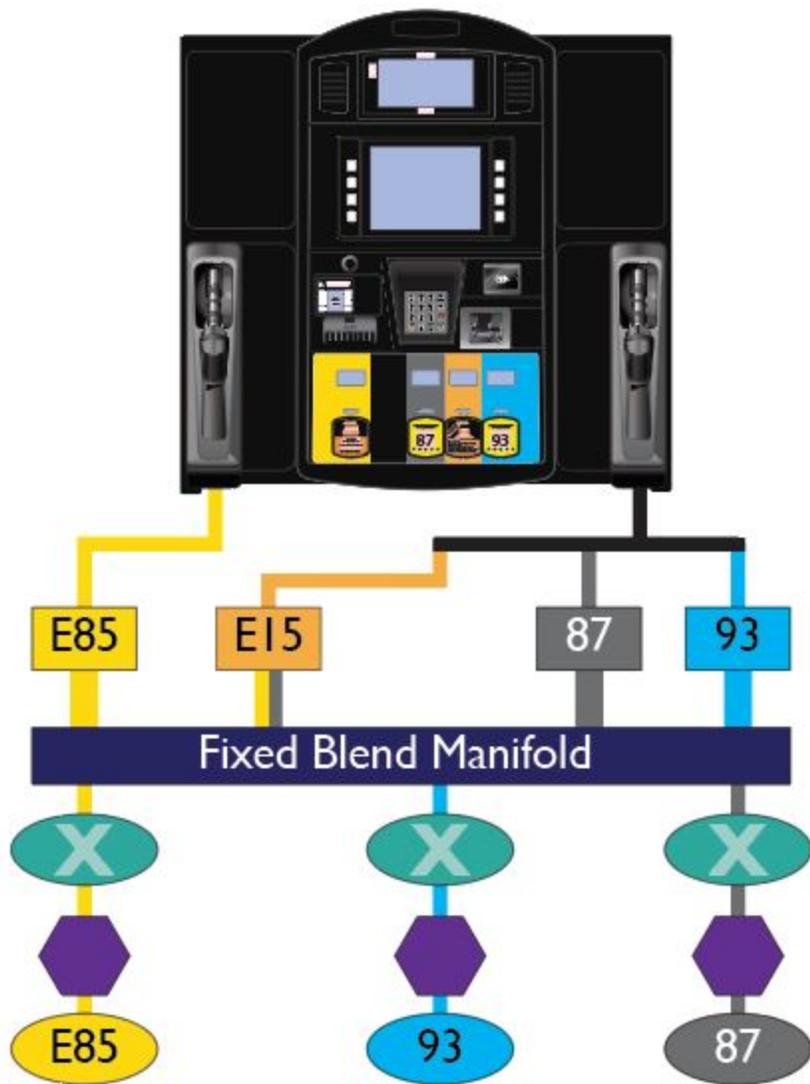




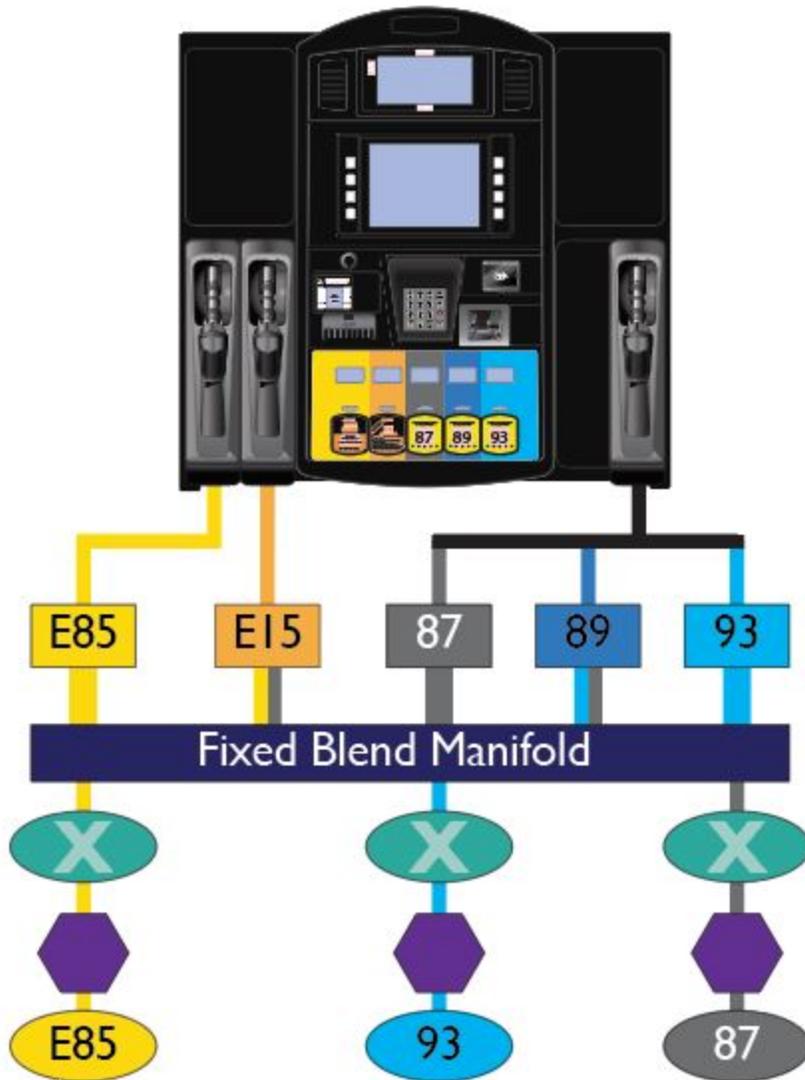
**Flex Fuel Dispenser – Shared dispenser with E85 dedicated hose, diesel dedicated hose, and 1 shared hose for 3 standard fuels.**



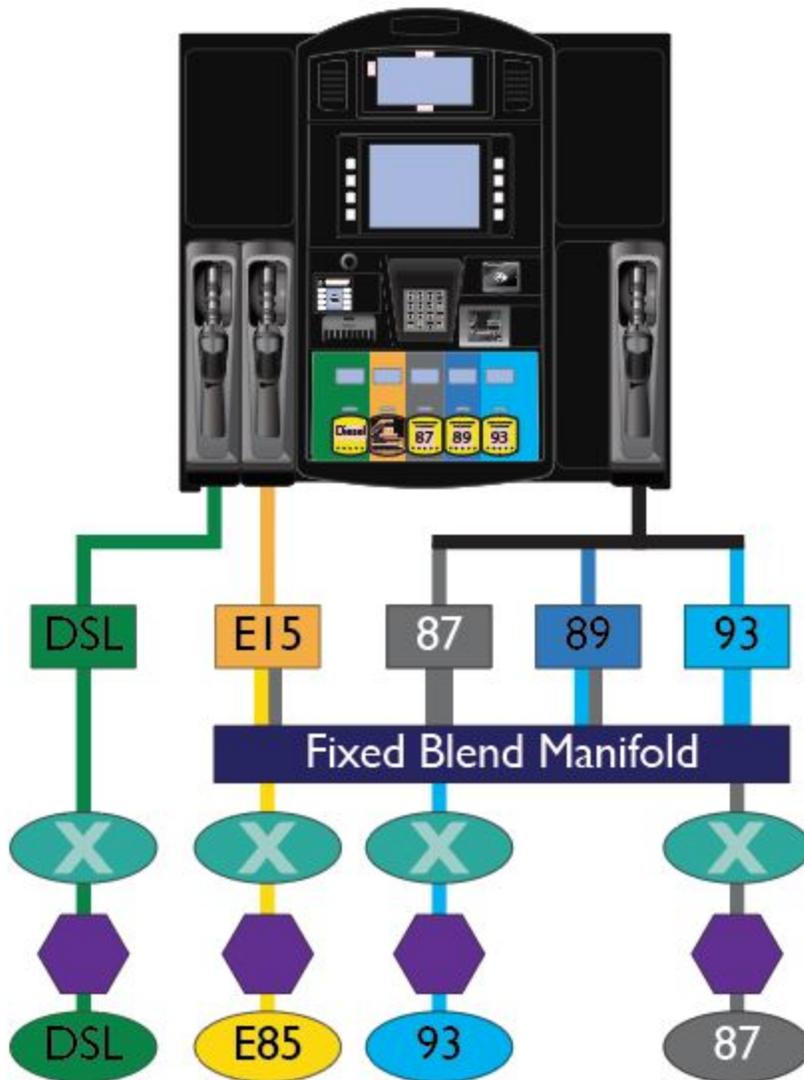
Shared dispenser with E85 dedicated hose, E15 dedicated hose, 87 dedicated hose, and 93 dedicated hose.



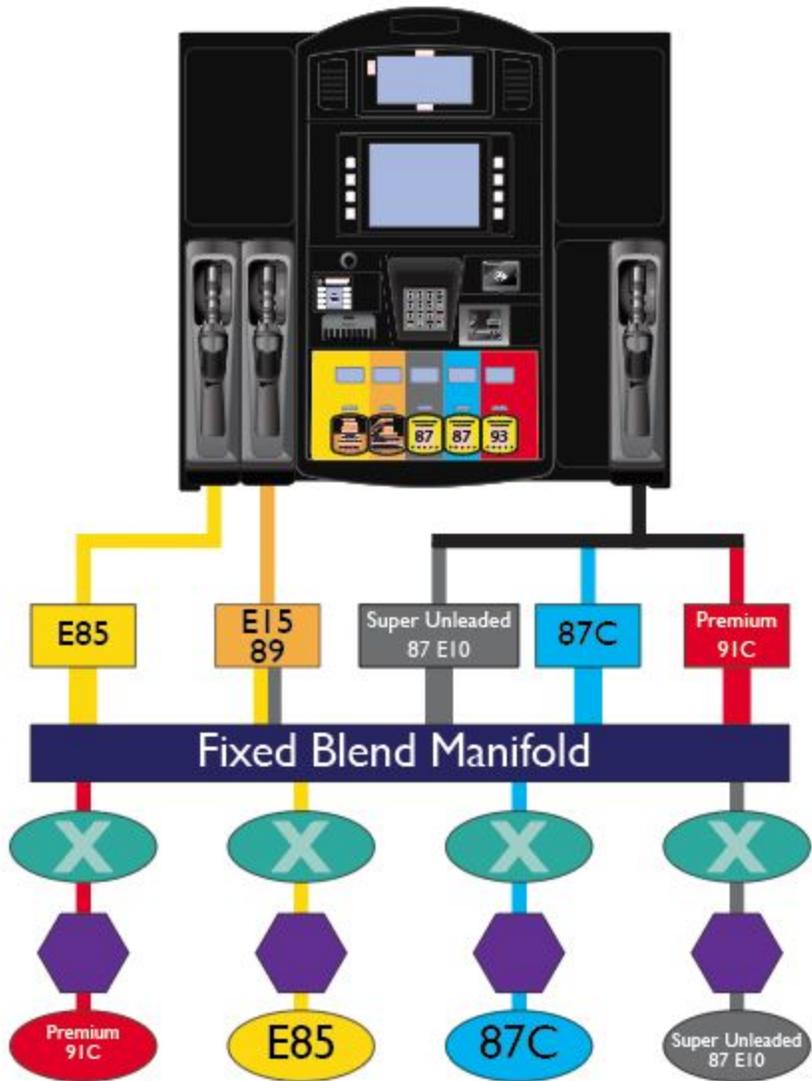
Shared dispenser with E85 dedicated hose and shared hose for E15, 87 and 93 fuels.



Shared dispenser with E85 dedicated hose, E15 dedicated hose, and shared hose for 87, 89, and 93 fuels.



Shared dispenser with DSL dedicated hose, E15 dedicated hose, and shared hose for 87, 89, and 93 fuels.



Shared dispenser with E85 dedicated hose, E15 dedicated hose, and shared hose for 87, 87C, and 93 fuels.



**Shared dispenser with E85 dedicated hose, E15 dedicated hose, and shared hose for Regular, Midgrade, and Premium fuels.**



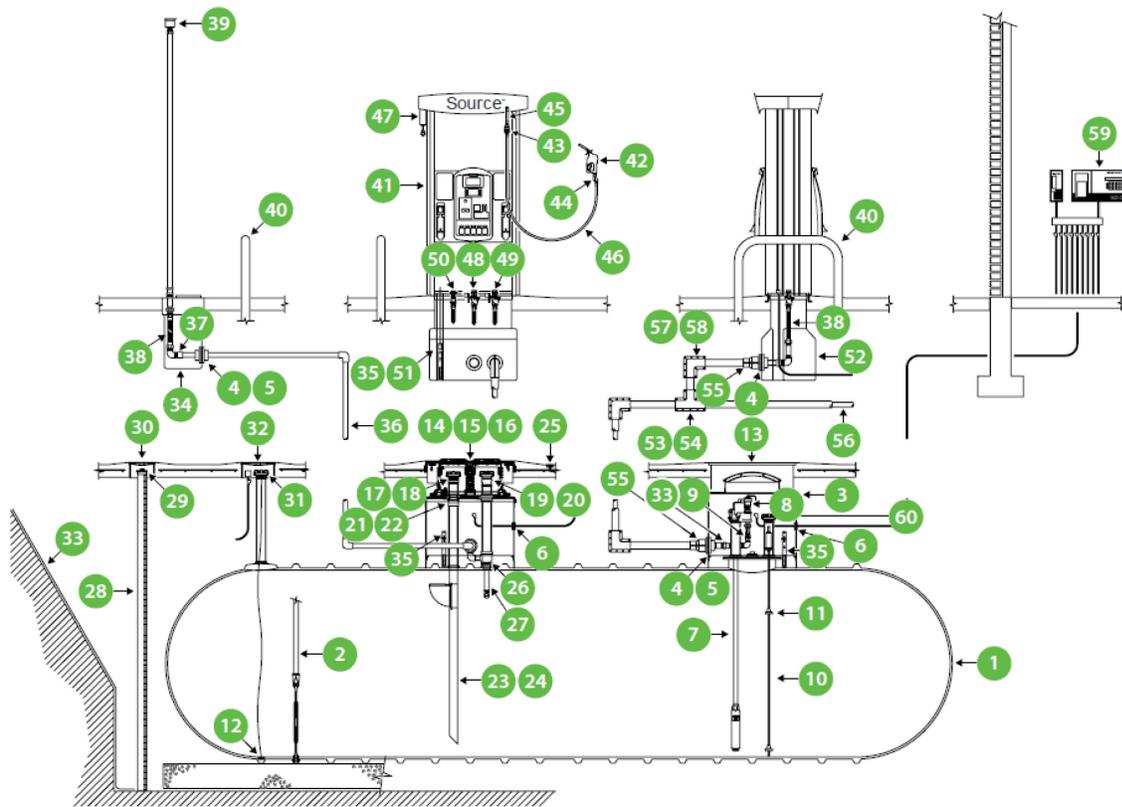
**Shared dispenser with shared hose for E85 and E30, and a shared hose for E15, 87 and 91.**



**The future of fueling  
technology as visualized by  
one of our manufacturers?**

**A shared dispenser two fueling positions each with a shared hose for  
all fuels.**

**Likely still a few years away.**



## Typical Fuel Dispenser and Underground Storage Piping

(Illustration by Source North America)

**Table 5. Fuel Dispenser and Underground Storage Piping Components**

#	Equipment	#	Equipment	#	Equipment
1	Tank	21	Face seal adaptor	41	Dispenser
2	Tank straps	22	Jack screw kit	42	Nozzle
3	Sump and cover (tank)	23	Overfill prevention valve	43	Breakaway
4	Sump entry fitting (boot)	24	Drop tube (often a part of #23)	44	Swivel
5	Sump penetration fittings	25	Fuel grade ID #	45	Whip hose
6	Flexible entry boots	26	Extractor tee	46	Hose
7	Submersible turbine pump	27	Monitoring well screen (pipe)	47	Hose retractor
8	Mechanical line leak detector	28	Ball float vent valve	48	Stabilizer bar kit
9	Ball valve	29	Well cap-monitoring	49	Shear valve
10	Magnetostrictive probe	30	Manhole-monitoring	50	Shear valve-vapor (stage II only)
11	Float kit	31	Interstitial cap	51	Sensor tube
12	Interstitial sensor	32	Manhole	52	Dispenser sump
13	Manhole-composite	33	Roll filter fabric	53	Pipe-secondary containment tee
14	Manhole-multi-port spill containment	34	Transition sump-vent	54	Pipe-product tee
15	Spill bucket	35	Sump sensor	55	Concentric reducer
16	Fuel grade ID tag	36	Pipe	56	Pipe-secondary containment
17	Fill adaptor (top or side)	37	Pipe adaptor	58	Pipe-product elbow
18	Fill cap (top or side)	38	Flexible connector	57	Pipe-secondary containment elbow
19	Vapor adaptor	39	Vent	59	Console
20	Vapor cap	40	Steel bumper	60	Probe cap adaptor