

R-454B 24 oz One-Step Cans

The convenient, service-ready way to charge R-454B systems in the field.

- A2L • ASHRAE 34
- Replaces R-410A
- DOT-39 Cylinder
- Meets AHRI 700
- 1/4" SAE Self-Sealing Valve

466

GWP (AR4)

78%

LOWER VS R-410A

24 oz

NET WEIGHT (680 G)

~1.1 K

TEMP GLIDE

A2L

SAFETY CLASS

WHAT IS R-454B?

R-454B (Forane® 454B / Opteon™ XL41) is a next-generation **A2L, low-GWP refrigerant** and the leading replacement for R-410A in new air conditioners and heat pumps. It is a near-azeotropic blend of **R-32 and R-1234yf (68.9% / 31.1%)** with a very small temperature glide, so it charges predictably and tops off cleanly after a leak repair. Each 24 oz disposable cylinder is DOT-39 approved, meets AHRI 700 purity, and uses a standard **1/4" SAE self-sealing valve**.

SPECIFICATIONS

Refrigerant	R-454B (Forane® 454B)
Composition	R-32 / R-1234yf (68.9% / 31.1%)
ASHRAE Safety Class	A2L (lower flammability)
GWP	466 — 78% lower than R-410A
Replaces	R-410A (new equipment)
Net Weight	24 oz (680 g)
Cylinder	DOT-39 disposable, 1/4" SAE self-sealing valve
Purity	Meets AHRI 700 • Made in USA

HOW TO CHARGE

- 1 With the system running, connect the hose to the unit's **low-side (suction) service port**. Mini splits require the included **5/16" adapter**.
- 2 **Thread on clockwise (right-hand thread)** — these 1/4" SAE cans seat with standard clockwise rotation. Hand-tighten to seal.
- 3 Keep the can **upright** to add vapor. Open the valve and meter refrigerant slowly, watching the gauge.
- 4 Charge to the manufacturer's **target pressure / superheat / subcooling**. Close the valve, disconnect, and cap the port.

CHOOSE YOUR CAN

- 1 • Can + Gauge & Hose (1/4")

24 oz can with an integrated pressure gauge and charging hose. For central/ducted **R-454B split systems & heat pumps** with a standard 1/4" SAE service port.

FOR DUCTED SPLIT SYSTEMS
- 2 • Mini-Split Recharge Kit

Same can, gauge & hose **plus a 5/16"-to-1/4" service-port adapter** — required for ductless mini splits, which use a 5/16" port on every brand.

FOR DUCTLESS MINI SPLITS
- 3 • Can Only

Just the 24 oz Forane® 454B cylinder — no gauge, hose, or adapter. For techs who already run their own manifold gauge set.

BRING YOUR OWN GAUGE

DO I NEED A LEFT-THREAD A2L ADAPTER?
No — not for these cans. Budget Heating's 24 oz R-454B cans use a standard **right-hand (clockwise) 1/4" SAE** fitting. The 1/4" SAE Left-Thread-to-Right-Thread A2L adapter is only needed for **larger refillable cylinders (e.g., 20 lb jugs)**, which use left-hand threads.

A2L handling: R-454B is mildly flammable. Charge in ventilated areas, keep away from ignition sources, wear PPE, and follow all local codes and the equipment manufacturer's A2L service procedures.