

CO₂ RECOVERY SYSTEMSRE-CO₂
SERIESRE-CO₂ 80RE-CO₂ 160RE-CO₂ 320

LIQUEFACTION CAPACITY

Up to 176.3 lb/h
(80 kg/h)Up to 352.7 lb/h
(160 kg/h)Up to 705.4 lb/h
(320 kg/h)

POWER CONNECTION & AVERAGE CONSUMPTION

32A/3P + N + E
12 kWh63A/3P + N + E
24 kWh85A/3P + N + E
30 kWh

DIMENSIONS (LxWxH) with buffer tank

77.2 in x 51.9 in x 113.2 in
(1960 mm x 1320 mm x 2875 mm)95.3 in x 53.9 in x 118 in
(2420 mm x 1370 mm x 2995 mm)101.2 in x 53.2 in x 148.2 in
(2570 mm x 1350 mm x 3764 mm)

WEIGHT with buffer tank

2,756 lb (1,250 kg)

3,373 lb (1,530 kg)

4,685 lb (2,125 kg)

OPTIMAL AMBIENT TEMPERATURE

Up to 104° F (40° C)

Up to 104° F (40° C)

Up to 95° F (35° C)

POWER SUPPLY

3 x 400V / 50 Hz

- or -

3 x 480V / 60Hz

* Other configurations upon request

REFRIGERANT TYPE

R452A

HOSE LENGTH

Max 118 in (3 m)

Between pelletizer and recovery system



RECOVERY SYSTEMS



Greater Sustainability.

Customers utilizing our RE-CO2 Recovery Systems have experienced production increases of up to 70% more dry ice while utilizing the same amount of liquid CO₂.

This process recycles an already recycled product and greatly reduces the amount of revert CO₂ that is vented into the atmosphere from typical dry ice production.

"We saw an immediate effect on our CO₂ ratio from 2.4:1 now to 1.35:1. Profit, production capability, and overall company performance is greatly improved."

– Richard Nimmons
Carbon Capture Scotland

How Does it Work?

The CO₂ Recovery Systems capture revert CO₂ from the vent of a dry ice pelletizer and circulates it back into themselves. Within the recovery unit, the gaseous CO₂ is cooled and compressed to create liquid CO₂ that is then piped right back to the dry ice pelletizer. This process reduces liquid CO₂ consumption by almost half in most installations.

