

# SF<sub>6</sub> Gas Reclaimers

## *Economy Touch Screen*



- Up to 100 lbs. Per Hour Recovery
- Automated Touch Screen Operation
- DOT Approved Storage
- No Contamination of SF<sub>6</sub>
- Safe and CFC free Liquefaction allows for Flexible Gas Storage Capacities
- Simultaneous Recovery & Vacuum
- Unequaled Protection Features
- 99.99% Recovery – Highest Available



### Application:

The DILO Economy Series was developed to small to medium quantities of SF<sub>6</sub>. Using a high-speed multistage oil-less vacuum pump and compressor system, the Economy Series will recover SF<sub>6</sub> at up to 100 lbs per hour. The custom-built 100% oil-less compressor uses the latest technology to reduce restriction, and increase throughput. The standard vacuum compressor will remove gas to a final pressure of 100 micron..

### Simple to Operate

- All controls are in one location.
- Built-in tank scale displays weight of gas in storage cylinders.
- 100% oil-less and refrigeration-less.
- No manual valves – simple operation.
- Fully automatic – no operator supervision.
- Safe -no pre-start, post-operation check list.

### Fast and Efficient

- Low restriction, direct plumbing makes the Economy the fastest system in it's class.
- World-renowned self sealing DILO fittings eliminate air contamination.
- Compression system is capable of pulling a 10 micron vacuum while simultaneously generating 725 PSIG.
- Multi-port design allows simultaneous recovery, filling, and evacuation.
- Evaporator vaporizes SF<sub>6</sub> as needed automatically – no more tank heaters.

### Reliable and Durable

- 100% silver soldered copper tubing eliminates stress cracks and vibration leaks associated with harder, stainless steel plumbing.
- Solenoid valves are hermetically sealed, guaranteeing life-long leak-free service.
- High-speed compressor is based on 40 year proven technology – the longest in the industry.


### Functions

- **Removal and Storage** of SF<sub>6</sub> to achieve 99.99% gas recovery.
- **Automatic double cleansing** of SF<sub>6</sub> during removal and refilling – returns gas to like-new condition.
- **Evacuation** of gas compartment to remove air and moisture before filling.
- **Refilling** of all reclaimed SF<sub>6</sub> from the storage vessel or with new gas.
- **Liquid to liquid** transfer of SF<sub>6</sub>.

# SF<sub>6</sub> Economy Touch-screen Series

Data, Options



| Modules   | Order Number   |   |
|---|--|---|
| <input type="checkbox"/> <b>Economy</b> processing module for <b>liquid</b> storage<br>Automatic/Manual control with: 10" color touch-screen interface; 243 CFH oil free compressor, final pressure 725 PSI; 388 CFH oil-less vacuum booster pump; 24 CFM/ 0.1 mmHg vacuum pump; evaporator unit; two dust filter units; one decomposition/moisture removal filter units; and timed meters for vacuum pump, main and diaphragm compressors. All <i>physical</i> manual control valves are eliminated. | <b>L057R51</b><br>Length: 72 in<br>Width: 38 in<br>Height: 49 in<br>Weight: 1,450 lb.  |   |
| Upgrade Options   |  |   |
| <input type="checkbox"/> Vacuum pump upgrade to 45 CFM/ <b>0.1 Torr</b> . Including exhaust filter  | <b>E-V45/0.1</b>   |   |
| <input type="checkbox"/> Vacuum pump upgrade to 75 CFM/ <b>0.1 Torr</b> . Including exhaust filter  | <b>E-V75/0.1</b>   |   |
| <input type="checkbox"/> Vacuum pump upgrade to 145 CFM/ <b>0.1 Torr</b> . Including exhaust filter   | <b>E-V145/0.1</b>  |   |
| Storage Modules for liquid processing units (EL):   |  |   |
| <input type="checkbox"/> Storage module for <b>4 parallel switched 115 lb cylinders</b> installed for liquid processing module only. With weighing scale showing net weight of SF <sub>6</sub> in lb. Includes DOT 3AA2015 cylinders<br>Additional Weight 825 lb. Combined cart dimensions →  | <b>EL-C400-W.</b><br>length 70"<br>width 52"<br>height 52"   |   |
| <input type="checkbox"/> Storage module for <b>8 parallel switched 115 lb cylinders</b> installed for liquid processing module only. With weighing scale showing net weight of SF <sub>6</sub> in lbs. Includes DOT 3AA2015 cylinders.<br>Additional Weight 1,600 lb. Combined cart dimensions →  | <b>EL-C800-W.</b><br>length 70"<br>width 52"<br>height 68"   |   |
| Options:  |  |   |
| <b>Trailer:</b> See attached trailer options sheet for available trailers   | <b>See attached page</b>   |   |
| Supply Voltage  |  |   |
| Please indicate the actual desired supply voltage with all inquiries and orders:  |  |   |
| <input type="checkbox"/> <b>within</b> the range from 208 - 460 V / 50-60 Hz, three phase   |  |   |
| <input type="checkbox"/> <b>outside</b> the range from 208 - 460 V / 50-60 Hz, three phase  | <b>6-0004-R031</b>   |   |
| <input type="checkbox"/> <b>single phase</b> additional weight: 210 lb.   | <b>MA-1B-RVS</b>   |   |
| Accessories/misc.:  |  |   |
| <input type="checkbox"/> <b>Connecting hose</b> DN 20 with VK/F-02/20 couplings on each end. (recommend two ea.), length 16 foot.   | <b>6-1017-R050</b>   |   |
| <input type="checkbox"/> <b>Hose Connector</b> to connect two hoses together <b>ML1-AD22-55</b>   | <b>2.0401</b>  |   |
| <input type="checkbox"/> <b>Adapter Kit DN20</b> Includes adapters from DN20 to the following: 1" Male NPT; 3/8" Female JIC; 1/4" Female JIC; 1 1/4" Parker (ITE, Westinghouse, ABB PA); ABB Malmquist; DILO DN8; SF6 Cylinder; & waterproof case with extra storage compartments (analyzer kit pictured)   | <b>Adapter Kit-DN20</b><br>width: 21.2" (538 mm)<br>height: 16" (406 mm.)<br>depth: 8.3" (211 mm.)<br>wt.: 23 lb. (10.5 kg.) |  |
| <input type="checkbox"/> <b>Replacement Filter Material</b><br>Aluminum Oxide and 4A Molecular Sieve for approximately 2.5 filter replacements.   | <b>3-376-06</b>  |   |
| <input type="checkbox"/> <b>Drum-switch</b><br>Allows reversing the phasing sequence without changing wires   | <b>3-871-R002</b>  |   |
| <input type="checkbox"/> <b>Special gauge indications</b><br>indications other than PSI for gauges and mmHg for vacuum gauge  |  |   |
| <input type="checkbox"/> <b>External Cylinder Weight Scale</b> designed to allow user to roll cylinders onto platform without lifting. Battery operated or 120/220 VAC, range 0-330 lbs, L: 15" W: 17" H: 31" weight 44 lbs   | <b>K091R37</b>   |   |
| <input type="checkbox"/> <b>Hand Held SF6 Leak Detector</b>   | <b>3-033-R002</b>  |   |

Shown prices are valid per piece in US \$, ex works Odessa, no taxes or packing charges included.

# Trailer Options



## Data, Options

All DILO trailers include the following standard features:

- DOT Approved
- All aluminum walk-in enclosure
- Torflex axles
- Electric breaks
- 3" Pintle eye, w/adjustable height
- Breakaway switch
- Spare tire
- 3/16" steel deck
- Split rear door
- 30" side door service
- Rear stabilizing jacks

| Module   | Processor   | Order No.        |    |
|--|---|------------------|----|
| <input type="checkbox"/> <b>Single axle trailer, 10' x 6' x 7"</b> 7,000 lb. GVW<br>Combined cart dimensions : length 14', width 86", height 102"<br>Additional weight: 1,750 lb.                                    | Compact, Economy or Performance w/no more than 8 bottles. | <b>T-106-70</b>  |    |
| <input type="checkbox"/> <b>Dual axle trailer, 12' x 7' x 7"</b> 14,000 GVW<br>Combined cart dimensions : length 16', width 98", height 102"<br>Additional weight: 2,420 lb.   | Performance or Mega w/no more than 10 bottles storage.    | <b>T-127-140</b> | \$ |
| <input type="checkbox"/> <b>Dual axle trailer, 14' x 7' x 7"</b> 14,000 GVW<br>Combined cart dimensions : length 18', width 98", height 102"<br>Additional weight: 2,750 lb.   | Performance or Mega w/no more than 20 bottles storage     | <b>T-147-140</b> |    |
| <input type="checkbox"/> <b>Dual axle trailer, 16' x 7' x 7"</b> 14,000 GVW<br>Combined cart dimensions : length 20', width 98", height 102"<br>Includes compartement for generator.<br>Additional weight: 2,450 lb. | Performance or Mega w/no more than 10 bottles storage.    | <b>T-167-140</b> |    |
| <input type="checkbox"/> <b>Dual axle trailer, 18' x 7' x 7"</b> 14,000 GVW<br>Combined cart dimensions : length 22', width 98", height 102"<br>Includes compartement for generator.<br>Additional weight: 2,650 lb. | Performance or Mega w/no more than 20 bottles storage     | <b>T-187-140</b> |    |
| <input type="checkbox"/> <b>Trailer Deluxe Package</b><br>Interior shop lights, 120 V / 60 hz outlets, hose hangers  | All Units.  | <b>TDP</b>       |    |
| <input type="checkbox"/> <b>Diesel Generator Kit – 22kW</b><br>Requires T167-140 trailer, adds 900 lbs. to trailer.  | Compact, Economy, and Performance                         | <b>MEC22DO</b>   |    |
| <input type="checkbox"/> <b>Diesel Generator Kit – 35kW</b><br>Requires T167-140 trailer, adds 1,100 lbs. to trailer.  | MEGA  | <b>MEC35DO</b>   |    |



Dual-axle trailer shown with optional 35kW diesel genset

### Trailer Colors

Standard color is white

The following colors are available for additional charge: Black, Teal, Red, Lt. Gray, Dark Gray, Navy Blue, Burgundy