

DILO Company, Inc.



FEATURE	DILO Company MINI Plus	Brand A	Brand B	Brand C
Liquefaction (process)	Yes, direct pressure	Yes, cooling assisted	Yes, cooling assisted	No, insignificant pressure
Contains oil	No	No	Yes	No
Compressor used during re-fill	Yes	No	No	Yes
Maximum delivery rates (LB/min)	1	.5	.4	.5
Displacement (CFH)	75 CFH	35 CFH	30 CFH	30 CFH
Maximum compressor output (psig)	725 psig	475 psig	460 psig	375 psig
Maximum vacuum while suctioning SF6 (mmHg) ¹	10 mmHg	1,300 mmHg	400 mmHg	1100 mmHg
Compression ratio	1000:1	20:1	60:1	20:1
Maximum capacity (on-board)	230 lbs.	150 lbs.	50 lbs.	20 lbs.
Weight of unit (complete) ²	240 lbs.	420 lbs.	185 lbs.	135 lbs.
Vacuum pump speed (CFM)	10 CFM	11 CFM	3 CFM	6 CFM
Vacuum pump capacity (micron)	10 micron	1000 micron	500 micron	100 micros
Self sealing fittings (type)	Yes, DILO	No	Yes, Aeroquip?	No
Cylinder consolidation	Yes	No	Yes, limited	No
Storage method	SF6 cylinder	ASME tank*	SF6 cylinder	Refrigerant tank, non-approved*
Valves	1	10	6	6
Maximum percentage recovered³	99.81	75.56%	92.48%	79.32%

These values were taken from sales literature from each of the respective manufacturers.

¹ Using the manufacturers' published compression ratios, the following formula was used to obtain correct final pressures: Convert maximum compressor output pressure to mmHg. This value is then divided into the compression ratio.

$$\left(\frac{PSIG + 14.5}{14.5} \right) \times 760 = mmHg(absolute)$$

² This does not include the weight of cylinders, since various sizes/weights can be used.

*Refrigeration vessels, and ASME tanks are not DOT approved for SF6. Transportation of these vessels with internal pressures greater than 41 psig, is in violation of DOT 49CFR 173.115(b).

³ See attached "Determining How Much Gas Has Been Recovered" sheet for formulas used to derive percentages.