



87114 MINI GAS CHARGING SYSTEM



* Mounting bracket included.
(except for oxygen use)

* Bottle and cart not included.

The Mini Gas Charging System is designed and manufactured to achieve an affordable and effective gas transfer and charging unit.

> MARKETS INCLUDE

- Aircraft Ground Support (Military and Commercial)
- Industrial Gas Charging Applications

> SPECIFICATIONS

Dimensions:H19.69, W15.17, D16.57
 Weight:24 LBS.
 Gas inlet port:1/4" FNPT
 Gas outlet port:1/4" FNPT
 Air Drive Port:1/2" FNPT
 Maximum Output Gas Pressure:3750 PSIG
 Maximum Rated Pressure Inlet/Outlet:4500 PSIG
 Actual Volume per Cycle:1.23 CU. IN. per cycle

> APPLICATIONS

The system may be used but is not limited to the following applications:
 N2 Shock Absorber Charging, Accumulator Charging, Gas Transfer, Gauge Calibration, Pressure Testing and Purging.

> FEATURES & BENEFITS

- System can be used with any inert industrial gas.
- Provides performance, reliability and portability at an affordable price.
- Includes relief valve for integrated air drive protection
- Includes adjustable automatic shut-off valve
- Provides for alternate drive sources
- Drive Media Options
- Media can be the same as the gas being boosted (except oxygen)
- Media can be supplied from an external source (okay with oxygen)
- Features drive air and process gas separation
- Design incorporates Integrated cooling jacket to minimize heat from compression and extend seal life.



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> PERFORMANCE

Supply Vessel Volume: 2640 cu in
 Fill Vessel Volume: 218 cu in
 Booster Drive Pressure: 140 psig

Fill Vessel Starting Pressure: 0 psig

Supply Pressure	Equalized Pressure	Fill Pressure	Time
psig	psig	psig	mm:ss
1500	1400	2000	1:06
1200	1100	2000	2:03
900	800	1750	5:40

Fill Vessel Starting Pressure: 800 psig

Supply Pressure	Equalized Pressure	Fill Pressure	Time
psig	psig	psig	mm:ss
1500	1450	2000	:53
1250	1200	2000	1:41
1000	1000	2000	3:25
600	800	1300	4:20

Supply Vessel Volume: 2640 cu in
 Fill Vessel Volume: 22 cu in
 Fill Vessel Starting Pressure: 0 psig

Booster Drive Pressure: 140 psig

Supply Pressure	Equalized Pressure	Fill Pressure	Time
psig	psig	psig	mm:ss
2400	2400	3000	:08
2200	2200	3000	:09
2000	2000	3000	:12
1800	1800	3000	:16
1600	1600	3000	:20
1400	1400	3000	:24
1200	1200	3000	:40
1000	1000	2200	:41

Booster Drive Pressure: 125 psig

Supply Pressure	Equalized Pressure	Fill Pressure	Time
psig	psig	psig	mm:ss
2000	2000	3000	:37
1800	1800	3000	:42
1600	1600	3000	:48
1400	1400	3000	:50
1200	1200	2950	1:10

STANDARD CONFIGURATION

OXYGEN CONFIGURATION

★ Haskel's Oxygen cleaning procedures and facility conform to MIL STD 1330D, the highest oxygen cleaning standard approved by the US Navy.