



CIRCLE SEAL CONTROLS



Safety Pneumatic Service Carts



Circle Seal Controls Service Carts provide a complete portable pneumatic test and charging supply system that offers safety, reliability and simplicity for applications such as servicing aircraft tires, struts, accumulators and general pneumatic testing functions.

SAFETY AND EASE OF OPERATION

The CTR 100 and the CTR 200 Pneumatic Service Carts through the use of unique circuits and the use of dome loaded regulators offer many advantages over circuits that utilize spring referenced regulators.

- The systems shall be preset to the desired final charge pressure prior to initiation of flow.
- Maximum pressure can be limited to a safe preset value that will insure safe inflation of aircraft tires.
- The use of the Circle Seal Controls BLR50 Dynadome Regulator allows relief protection of 5 to 10% over pressure on any setting up to the maximum pressure limit (see specifications).
- Due to the built-in venting feature, the BLR50 can be used to correct any over pressure that might occur in the system.
- Cranking of the BLR50 handle is not necessary. A slight twist of the handle to either side of center (approximately 45°) will either load or vent the system.
- The footbrake allows the cart to be utilized for many special applications especially where stability is a major requirement, such as aboard ship, and areas where vibration may be experienced.

LARGE GAS VOLUME

Each charge cart will accommodate two standard ICC bottles rated up to 6000 PSI.

MOBILITY-STABILITY

14-inch semi-pneumatic tires and dual dolly wheels allow the service cart to be moved SAFELY over uneven surfaces.

CHECK VALVES

The check valves contained in the system prevent interflow and allow the cart to be utilized using only a single bottle or while changing cylinders.

GAUGES

CTR 100

The CTR 100 contains safety front 4½ inch gauges that can be easily read from a distance.

CTR 200

The CTR 200 utilizes two sets of 2½ inch gauges that provide pressure information for both the high and low pressure side of the system.

SAFETY CHAIN

A spring loaded safety chain secures the cylinder to the cart frame.

SAFETY RELIEF VALVES

Two relief valves with set pressures as shown in "How To Order" are provided for extra safety. One relief valve protects regulator dome pressure from overloading. The other protects the down stream charge cart system.

The CTR 200 cart relief valves are set at 275 psig on the low pressure side and 3700 psig on the high pressure side.

HOSE RACK

The rack provides storage of the outlet hose, prevents damage to the hose and fittings, and helps to prevent contamination of the hose. Hoses to be furnished by the customer.

HOW TO ORDER

EXAMPLE:

CTR 100
BASIC SERIES NUMBER

MAX INLET PRESSURE	CODE NO.	INLET GAUGE RANGE
3000 PSI	30	0- 3500 PSI
5000 PSI	50	0- 6000 PSI (STD)
6000 PSI	100	0-11600 PSI

50

30

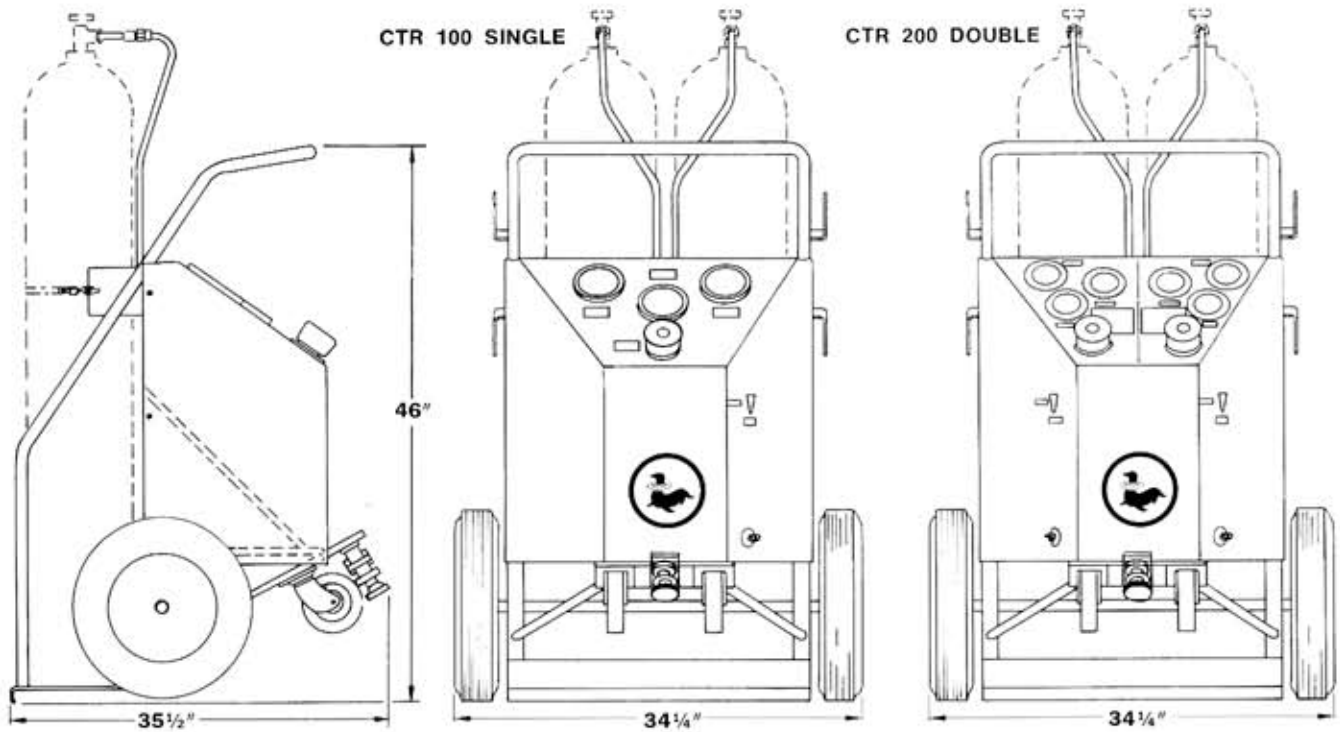
580

INLET CONNECTION
SPECIFY CGA CONNECTION NO.

CODE NO.	OUTLET AND SET PRESSURE GAUGE	RECOMMENDED OUTLET OPERATING RANGE	SAFETY VALVE SET PRESSURE
2	0- 200 PSI	50- 180 PSI	190 PSI
4	0- 400 PSI	75- 360 PSI	380 PSI
10	0-1000 PSI	100- 900 PSI	950 PSI
30	0-3500 PSI (STD)	300-2700 PSI	2850 PSI
50	0-6000 PSI	600-4500 PSI	4750 PSI

CTR 200 is a basic cart as a standard item, without optional features. For special gauges or other features consult factory. (Example of part number: CTR-200.)

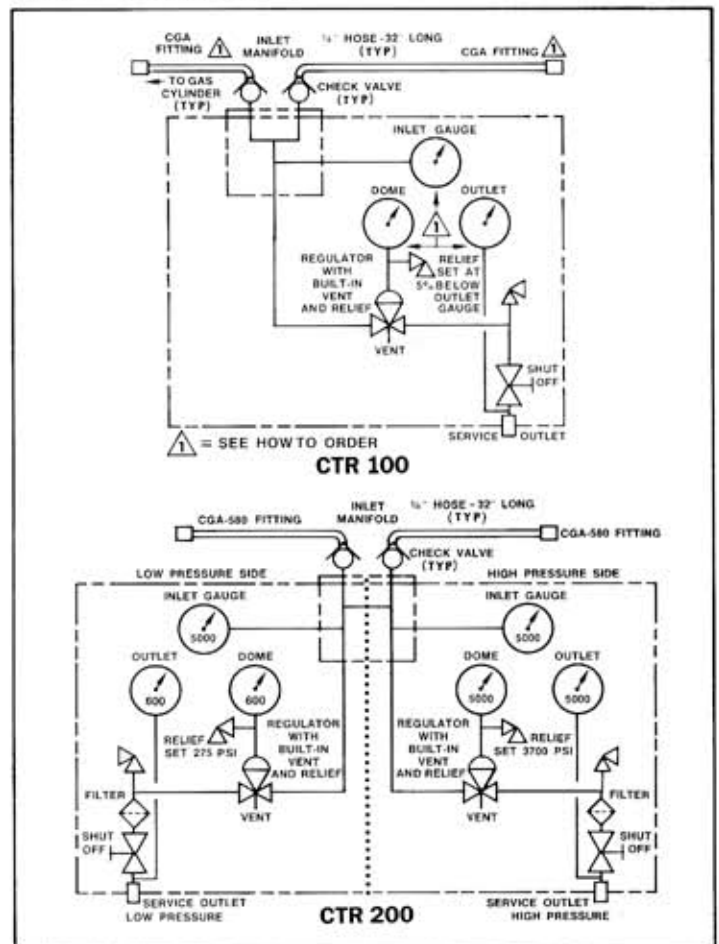
If the cart is to be used in oxygen service, specify "GENERAL OXYGEN SERVICE" when ordering, or furnish the factory with a copy of the user's SPECIAL REQUIREMENTS. (Oxygen service limited to 2200 psig.)



SPECIFICATIONS

	CTR 100 ALL SINGLE SYSTEM PURPOSE PNEUMATIC CIRCUIT	CTR 200 — DOUBLE SYSTEMS SEPARATE LOW AND HIGH PRESSURE PNEUMATIC CIRCUITS
Pressure Supply (Max.):	6000 PSIG	3600 PSIG
Outlet Pressure:	See "How to Order"	Low Pressure System 0-250 PSIG High Pressure System 0-3500 PSIG
Capacity: (Cylinder Supplied by User)	Two Cylinders to 6000 PSIG (ICC Rating)	Two Cylinders to 3600 PSIG (ICC Rating)
Gauges:	Three 4 1/2" Dials See "How to Order"	Six 2 1/2" Dials 2 Ea.: Inlet 0-5000 1 Ea.: Dome 0-600, 0-5000, Outlet 0-600, 0-5000
Gauge Accuracy:	1/2 of 1% of Full Scale	Approximately 3% of Full Scale
Regulator: 50-6000 PSIG	1 Ea. Circle Seal Controls BLR50 Regulator	2 Ea. Circle Seal Controls BLR 50 Regulators
Relief Setting:	See "How To Order" Set at ± 5%	Low Pressure 275 PSIG ± 5% High Pressure 3700 PSIG ± 5%
Cylinder Connection:	Customer to Specify CGA Connection Number (580 Standard)	CGA Number 580
Outlet Connection:	1/4" 37° Flared Tube (MS33656-4) Standard	2 Outlets 1/4" 37° Flared Tube (MS33656-4) Standard
Dimensions:	See Above	See Above
Paint:	Standard White	Standard White

CIRCUIT DIAGRAMS



CIRCLE SEAL CONTROLS, INC.

A CIRCOR International company

2301 Wardlow Circle, Corona, California 92880 • Tel (951) 270-6200 Fax (951) 270-6201