

NITROGEN-PAC M SERIES

COMPRESSOR / TANK ASSEMBLY
MODEL CTA-1000-120-SBV

Description

The **UNITED Fire Systems** Model CTA-1000-120-SBV is a compressor / tank assembly for use with the **NITROGEN-PAC™ M Series** sprinkler corrosion inhibiting system. The assembly consists of a 10 HP compressor assembled to a steel 120 gallon vertical tank acting as an air reservoir. The assembly can provide air for 30 minute fill of dry sprinkler piping per NFPA 13, and can supply air to the inlet of a **NITROGEN-PAC™** generator for production of purging nitrogen.

Specifications

General

- Weight = 916 lbs.

Motor

Voltage (VAC)	Frequency (Hz)	Phase	Current (A)	Model No.
460	60	3	12.5	CTA-1000-120-SBV-460-3
230	60	3	25.0	CTA-1000-120-SBV-230-3
208	60	3	26.0	CTA-1000-120-SBV-208-3

- Horsepower = 10 HP

IMPORTANT NOTES FOR CHOICE OF MOTOR

1. To minimize current draw, highest available voltage should be chosen.
2. Power source should supply voltage with minimum possible sag under load.
3. Contact UNITED Fire Systems for guidance as necessary.

Compressor

- Type = Cast Iron, Splash Lubricated
- Two Stage
- Drive = Belt
- Maximum Outlet Pressure = 175 PSIG
- Capacity = 34.4 CFM delivered @ 175 PSIG

Tank

- Type = Vertical, ASME Coded
- Capacity = 120 Gallons
- Outlet Size = 3/4" NPT
- Drain = Auto Drain



Dimensions

Overall = 44" L x 30" W x 75" H
 Base Bolt Rectangle = 25.5" x 25.5"

Ordering Information

Model CTA-1000-120-SBV includes:

- Qty. (1) Compressor and Motor
- Qty. (1) Tank
- Qty. (1) Outlet Filter / Regulator with Ball Valve
- Qty. (1) Connection Hose
- Qty. (4) Vibration Pads with Installation Hardware

Maintenance

Maintenance Kit, UFS P/N: 30-500500-002 includes:

- Qty. (2) Filters
- Qty. (2) Quarts of compressor oil