

**NITROGEN-PAC M SERIES**

**COMPRESSOR / TANK ASSEMBLY  
 MODEL SBV-50-6**

**Description**

The UNITED Fire Systems Model SBV-50-6 is a compressor / tank assembly for use with the NITROGEN-PAC M Series sprinkler corrosion inhibiting system. The assembly consists of a 5 HP compressor assembled to a steel 60 gallon 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 = 648 lbs.

Motor

Voltage (VAC)	Frequency (Hz)	Phase	Current (A)	Model No.
460	60	3	6.6	SBV-50-6-4603
230	60	3	13.2	SBV-50-6-2303
208	60	3	14.0	SBV-50-6-2083

- Horsepower = 5 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 = 17.3 CFM delivered @ 175 PSIG

Tank

- Type = Vertical, ASME Coded
- Capacity = 60 Gallons
- Outlet Size = 1/2" NPT
- Drain = Auto Drain



**Dimensions**

Overall = 34" L x 29" W x 74" H  
 Base Bolt Square = 25-1/2" x 25-1/2"

**Ordering Information**

Model SBV-50-6 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

**Maintenance**

Maintenance Kit, UFS P/N: 30-500500-001 includes:

- Qty. (1) Filter
- Qty. (2) Quarts of compressor oil

**UNITED FIRE SYSTEMS**

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This literature is provided for informational purposes only. United Fire Protection Corporation assumes no responsibility for the product's suitability for a particular application. The product must be properly applied to perform as intended.