



# KINGSTON

Manufacturing reliable industrial valves for industry since 1908.

## 620

Control Valve

## Model 620

Kingston Automatic Drain Valve



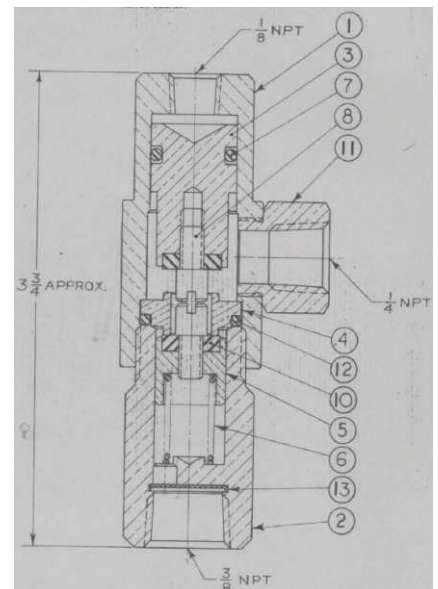
### Features

- Designed For Use on All Compressors with an Unloader Port
- Complete Drainage is Assured by Double Action of the Valve (which opens when the compressor starts and stops)
- Long, Trouble-Free Service is Provided Through
- Simplicity of Design and the Use of Rust-Resisting Materials.
- Stainless Steel or Music Wire Spring Depending on Set Pressure

| Model | Inlet Size | Outlet Size | Dimensions (inches) |               |           | Pressure Range (PSI) | Min. Temp (°F) | Max. Temp (°F) |
|-------|------------|-------------|---------------------|---------------|-----------|----------------------|----------------|----------------|
|       |            |             | Height (A)          | Thickness (B) | Width (C) |                      |                |                |
| 620   | 3/8" NPT   | 1/4" NPT    | 3-3/4"              | 1-1/8"        | 1-21/32"  | 30-400               | -40°F          | 225°F          |

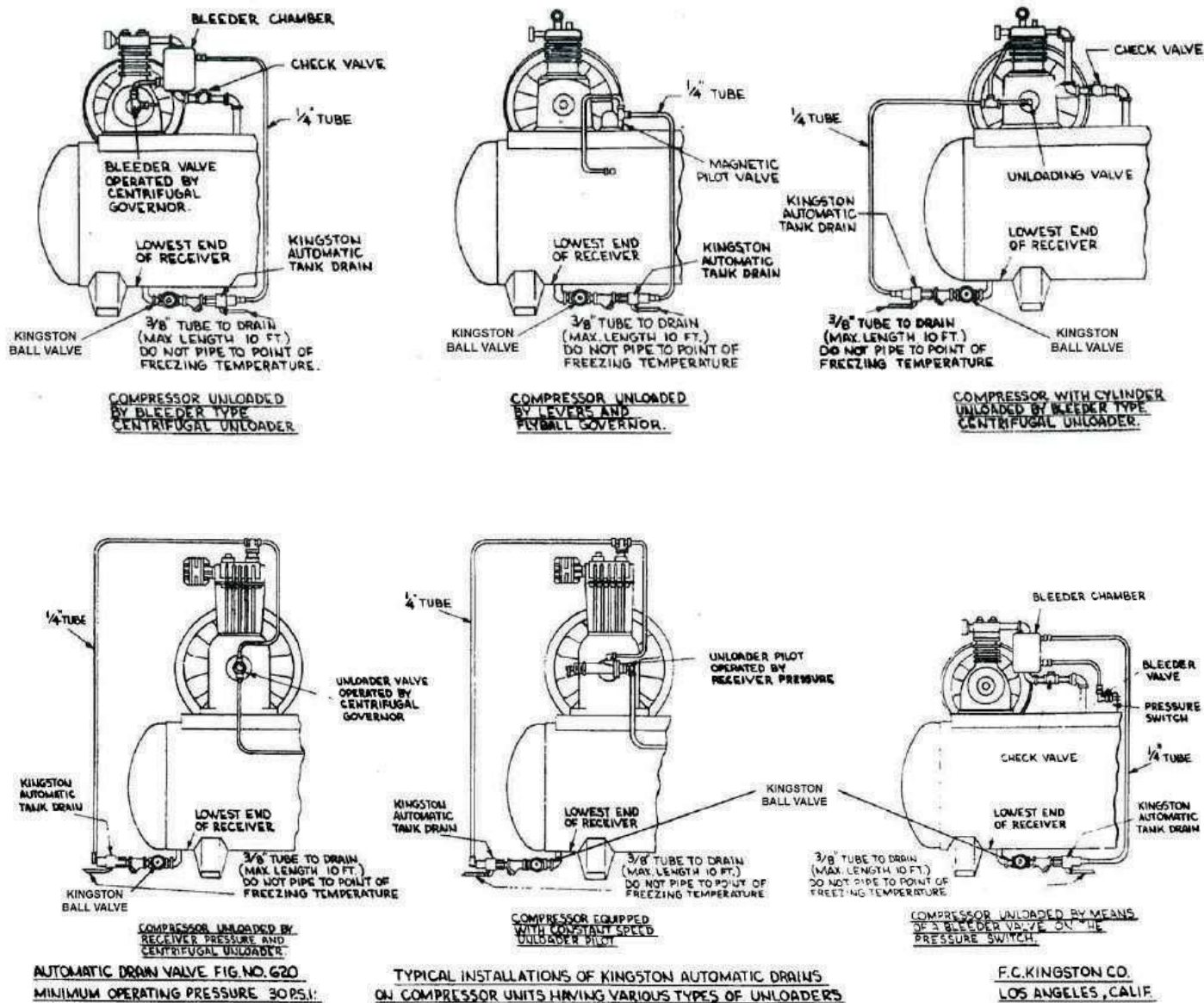
### Materials

| No. | Part Name    | Materials       |
|-----|--------------|-----------------|
| 1   | Plunger Body | Brass           |
| 2   | Valve Body   | Brass           |
| 3   | Plunger      | Brass           |
| 4   | Valve Seat   | Brass           |
| 5   | Valve        | Brass           |
| 6   | Spring       | Stainless Steel |
| 7   | "O" Ring     | Buna "N"        |
| 8   | Screw        | Brass           |
| 10  | Disc         | Buna "N"        |
| 11  | Side Outlet  | Brass           |
| 12  | "O" Ring     | Buna "N"        |
| 13  | Screen       | Brass Wire      |



# Kingston Model 620 Automatic Drain Valve

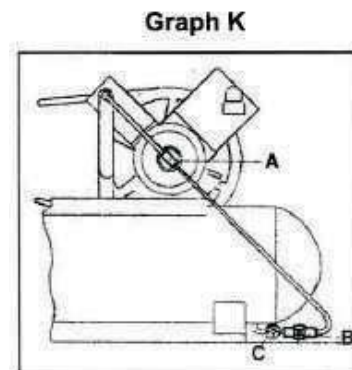
## Installation Data



## Installation Instructions

It is recommended that the tank drain be opened to blow off existing water, oil and scale before the Automatic Drain Valve is installed.

1. Connect 3/8" drain valve inlet (1) to the manual drain valve on the bottom of the tank. Use pipe fittings to adapt.
2. The 1/8" pilot port (2) must be connected to a point on the compressor package which will provide a pressure/no pressure cycle.



# Kingston Model 620 Automatic Drain Valve

## Installation Instructions (continued)

Options: compressor discharge line between the compressor head and the check valve; Check valve bleeder port; Unloader control line; 3-Way valve on the pressure switch; Suction valve unloader line.

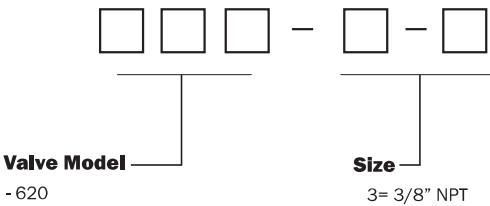
3. The water and oil is expelled through 1/4" side outlet port. (3). Some local regulations require filtration of the effluent prior to disposal. We recommend the use of 3/8" copper tubing to carry the effluent to a collection point. Maximum length, 10'.

4. Additional steps may be necessary when applied to air compressors smaller than 5HP starting with 0 pressure in the tank. Please contact factory for details.

Note: State of California code requires a manual "bypass" drain valve be installed in conjunction with automatic drain valves. The Kingston models KBV or KMBV can satisfy this requirement. Re: Title 8, section 465(a) unfired vessel safety orders.

## Ordering Information

### Kingston Air Compressor Valves Part Number Codes



## Product Notes

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