

# **KING-GAGE® Marine Systems**

Tank Level and Draft Indicating Systems for the Marine and Offshore Industries

## **Air Control Station Model 72 & 74 Filter-Regulators**

- Provides Clean, Dry, Oil-Free Compressed Air
- Rugged Bronze Filter for Marine Applications
- Dual Cartridges Ensure Long Service Life
- Air-Conserving Automatic Drain Sump

KING Filters Air Control Station is recommended for shipboard use to protect air operated equipment and instrumentation. Without question, most shipboard compressed air systems contain solid and liquid contaminants that affect performance and increase wear on equipment. Precision pneumatic instrumentation including KING-GAGE tank level gauging systems require clean, dry and oil-free compressed air for trouble free operation.

Model 74 Air Control Station is based on the KING Air-Guard Bronze Filter with automatic drain combined with a pressure regulator and dial gauge. The high efficiency 20 scfm two stage filter uses a self-draining coalescing element to remove large amounts of solid liquid contaminants from the airline.

If an automatic drain is not desired, the Model 72 Air Control Station is based on the Air-Guard Bronze Filter with manual drain petcock. This version of the station also includes a filter, pressure regulator and dial gauge.

Ensure clean air with our two-stage combination 750 Scrubber and 800 Polisher cartridge set which removes 99.7% of particulate down to 0.1 micron. The coalescing action in the first stage cartridge provides longer service for both cartridges elements while delivering dry, virtually oil-free compressed air. KING Filter cartridges provide equal efficiency regardless of flow rate and do not diminish during the life of the elements. (Assumes periodic draining of sump or use of automatic sump.)



**KING Air Control Station  
with Automatic Drain**

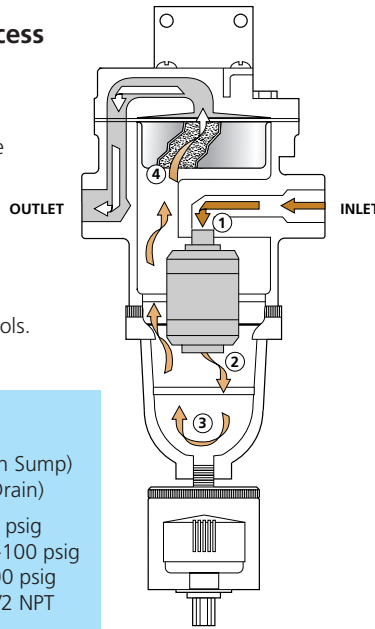
# KING-GAGE® Marine Systems

## Construction

KING Air-Guard Bronze Filters are extremely durable due to their materials of construction. The filter housing and sump are bronze, which will easily withstand the rigors of seawater environments. (Regulator supplied with cast zinc body). Inlet and outlet connections are 1/2" NPT and designed to accept standard tube or pipe fittings.

## Two-Stage Filtration Process

1. Air enters first stage **Scrubber** coalescing element.
2. Nozzle-shaped exit of cartridge directs air-flow downward.
3. 180° reversal slows air velocity within sump.
4. Air enters Polisher to remove final traces of submicron aerosols.



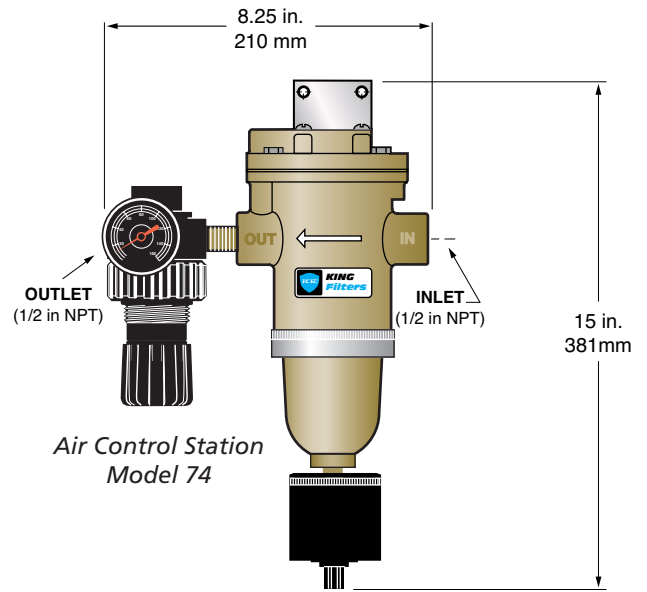
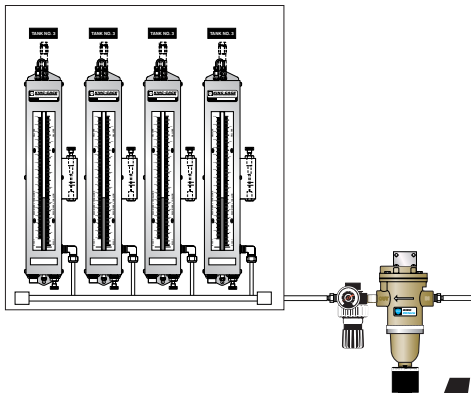
## Specifications

**Model 74-024-6-25** (Auto Drain Sump)  
**Model 72-024-6-25** (Manual Drain)

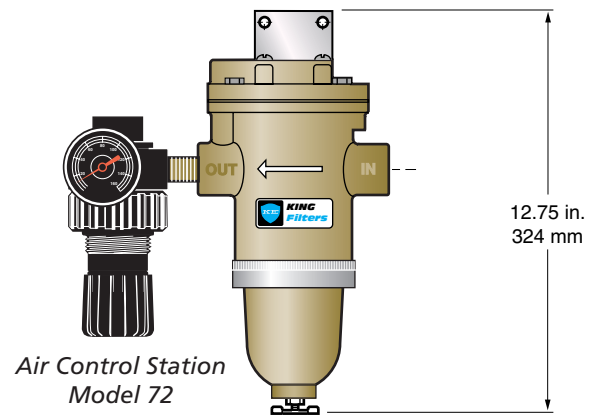
**Maximum Inlet Pressure:** 150 psig  
**Regulated Pressure Range:** 0-100 psig  
**Capacity (Flow):** 20 scfm @ 100 psig  
**Connections (Inlet/Outlet):** 1/2 NPT

## Marine Applications

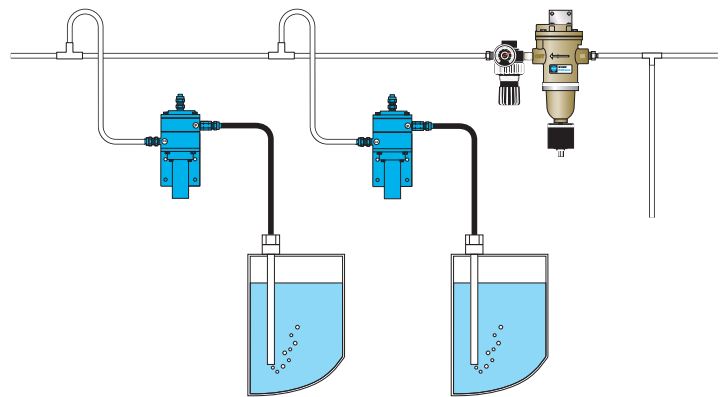
Pneumatic components and instrumentation will be more dependable and require less maintenance when supplied clean air through the KING Air Control Station. Installed upstream of tank gauges or Purge Control level transmitters, they provide complete filtration and point-of-use supply pressure regulation. Typical installations shown.



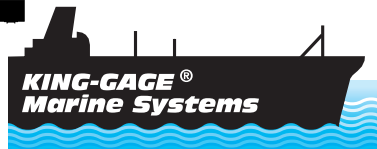
*Air Control Station  
Model 74*



*Air Control Station  
Model 72*



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