



StageAir Drying System

HOW IT WORKS

FIRST AND SECOND STAGE

- The StageAir desiccant air drying system begins with the dual stage integral filter/regulator
- First, the air enters the particulate filter, which has a 5 micron cleanable sintered bronze element. In this stage, corrosive moisture, pipe scale, dirt and rust are removed from the air line protecting the precision parts in the regulator.
- Next, the air enters a high-performance regulator, which reduces primary pressure to a desired pressure setting.

THIRD STAGE COALESCING FILTER

- During Stage 3, fine filtration takes place. Here, 99.99 percent of oil aerosols and microscopic particles down to .01 micron absolute are removed from the air. The pop-up indicator alerts customer that an element change is necessary.

FOURTH STAGE DESICCANT AIR DRYER

- As the air enters the desiccant dryer, it is dispersed through a 70 micron element. The element distributes air evenly through the desiccant bed. The desiccant absorbs the water vapor from the air, producing a -40°F pressure dew point.
- To remove traces of desiccant dust before the air leaves the system, the air passes through a 40 micron filter element. The air is now clean and dry, and has been properly treated for use with your air operated system.
- The clear indicator sight glass shows a color change in the desiccant from blue to pink which indicates a desiccant recharge.

- The StageAir Drying System is a point-of-use drying system and is protected by an OSHA Lockout valve which exhausts all downstream pressure when closed, and can be locked in the closed position with customer supplied padlock, exhaust 6 SCFM at 100 PSIG to prevent element damage.

Note: When pressurizing, open slide valve slowly to prevent element burst.

OPTIONS

To order options for the VC7500 series, simply add the appropriate suffix, as listed below, to the part number in the alphabetical/numerical order.

- 3** 3 micron absolute element (particulate filter)
- F** Float drain
- J** Overnight Drain

KITS

- Internal Float Drain5200

Element Kits

- 5 micronEK35-5
- .01 micronEK55A

Desiccant Kit

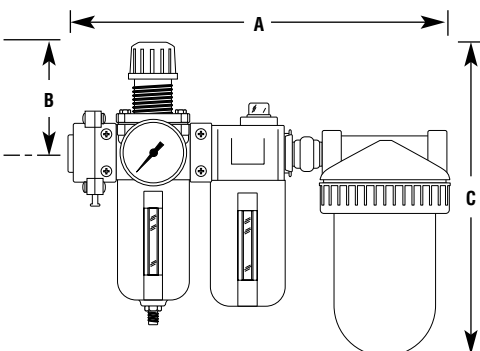
- 6-Pk. of 1 Qt. Jars34189
- 4 - 1 Gal. Jugs34417

Mounting Kit see page 65

- Mounting kitABK-10

Applications

- Paint Spray
- Air Gauging Equipment
- Lab Air



DIMENSIONS

PIPE SIZE	MODEL NO.	MAX. FLOW		DESICCANT WEIGHT (LBS.)	DIMENSIONS (INCHES)			WEIGHT (LBS.)
		SCFM*	SCF*		A	B	C	
1/2"	VC7510	5 to 15	2,500	1 1/4	14 1/4	4	11 1/4	10
1/2"	VC7510XL	15 to 25	5,000	2 1/2	14 1/4	4	16 1/4	13.5
3/4"	VC7525	25 to 50	12,500	6	16 1/2	4	20 7/8	24.25

* SCFM and SCF based on 70°F inlet temp. @ 100 psig