



VEKTEK, INC.  
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U.S.A.

OPERATING INSTRUCTIONS

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DRAWN/DATE JACOB  
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ASSEMBLIES AFFECTED: 50-0440-00  
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INSTALLATION, OPERATING, AND MAINTENANCE INSTRUCTIONS

**WARNING!** THE POLYCARBONATE PLASTIC MATERIAL USED TO MANUFACTURE THE PLASTIC BOWLS MAY BE ATTACKED BY CERTAIN CHEMICALS. DO NOT USE THIS FILTER ON SYSTEMS WITH AIR SUPPLIED BY A COMPRESSOR LUBRICATED WITH SYNTHETIC OILS OR OILS CONTAINING PHOSPHATE ESTERS OF CHLORINATED HYDROCARBONS. THESE OILS CAN CARRY OVER INTO THE AIR LINES AND CHEMICALLY ATTACK AND POSSIBLY RUPTURE THE BOWL. ALSO, DO NOT EXPOSE THE BOWL TO MATERIALS SUCH AS CARBON TETRACHLORIDE, TRICHLOROETHYLENE, ACETONE, PAINT THINNER, CLEANING FLUIDS, OR OTHER HARMFUL MATERIALS, FOR THEY TOO WILL CAUSE THE PLASTIC TO CRAZE AND / OR RUPTURE. FOR USE IN ENVIRONMENTS WHERE ANY OF THESE CHEMICALS MAY BE PRESENT, CONSULT THE FACTORY FOR APPROVAL.

**CLEANING:** FOR BEST RESULTS CLEAN PARTS WITH ALCOHOL. **CAUTION: PLASTIC BOWL MUST BE CLEANED WITH HOUSEHOLD SOAP ONLY.** AFTER CLEANING, BLOW OUT PARTS INCLUDING BODY OF UNIT WITH COMPRESSED AIR. THE FILTER CONE SHOULD BE BLOWN OUT FROM THE INSIDE, PLUGGING ONE END WITH FINGER.

**INSTALLATION:** INSTALL IN VERTICAL POSITION SO THAT AIR FLOW IS IN DIRECTION OF ARROWS STAMPED ON BODY OF UNIT. BEFORE PIPING-IN, BLOW OUT LINE TO REMOVE SCALE AND OTHER FOREIGN MATTER. IF PIPE COMPOUND IS USED, APPLY ONLY TO MALE THREADS AND JUST ENOUGH TO MAKE A TIGHT JOINT.

**MAINTENANCE:** TO OBTAIN BEST EFFICIENCY AND LONGEST PERIODS OF TROUBLE-FREE OPERATION, THE AIR SUPPLY MUST BE KEPT CLEAN, AS DIRT IS THE MOST COMMON CAUSE OF ERRATIC REGULATOR OPERATION. ONLY A FEW PARTS REQUIRE OCCASIONAL REPLACEMENT. MOST TROUBLES CAN BE CURED AND PREVENTED BY A THOROUGH AND CAREFUL CLEANING PROCEDURE. TO CLEAN, IT IS NOT NECESSARY TO REMOVE UNIT FROM ITS PIPING OR LINE.

**DISASSEMBLY FOR CLEANING:** USE THE DIAGRAM AS A GUIDE TO DISASSEMBLY. DEPRESSURIZE THE AIR LINE, UNSCREW AND REMOVE THE BOWL. UNSCREW THE FILTER ELEMENT RETAINER, AND LET DOWN THE VANE PLATE, DISC ASSEMBLY AND BOTTOM SPRING. IF THE O-RING ON THE DISC ASSEMBLY APPEARS WORN OR NICKED, IT SHOULD BE REPLACED. UNSCREW THE SPRING CAGE AND REMOVE THE DIAPHRAGM AND ADJUSTING SPRING. IF THE DIAPHRAGM APPEARS SWOLLEN OR STIFF, IT SHOULD BE REPLACED. REASSEMBLE THE UNIT IN THE SAME ORDER, MAKING SURE THE DISC ASSEMBLY STEM FITS INTO THE SMALL HOLE IN THE CENTER OF THE DIAPHRAGM. TIGHTEN THE SPRING CAGE AND BOWL SLIGHTLY MORE THAN HAND TIGHT (UP TO 50 INCH POUNDS TORQUE).

EK504VY  
ELEMENT

BK504Y  
BOWL

RK504SY  
AUTOMATIC  
PISTON DRAIN

