Delivering
Experience,
Quality and
Service since 1934.

INNOVATIONS TASK MASTER III

James E. Bowie, Jr., Ph.D., P.E. January, 2011





Water King has a truly innovative system of water softeners and filters. They are innovative because of the design, service and manufacturing.



Water King Task Master III (TM III)

Design
Manufacturing
Service

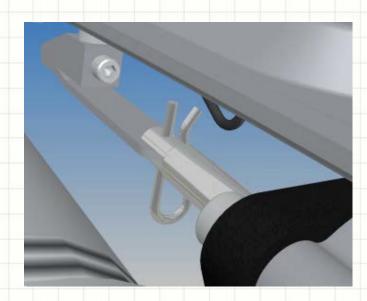




Mechanical simplicity

One moving part - the piston

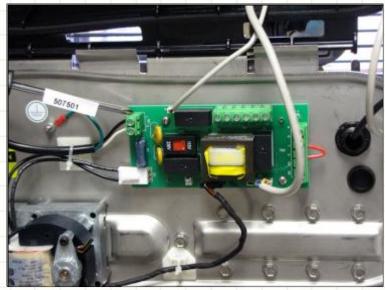
Over molded Dual-Lobe Seals





Fully Controlled with Modern Electronics





Optical Sensors guide piston into position

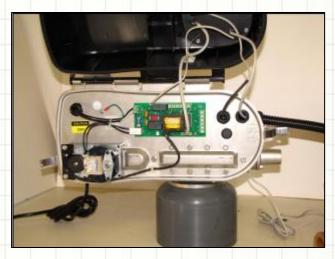
Accurate and Repeatable

No micro-switches

No positioning cams

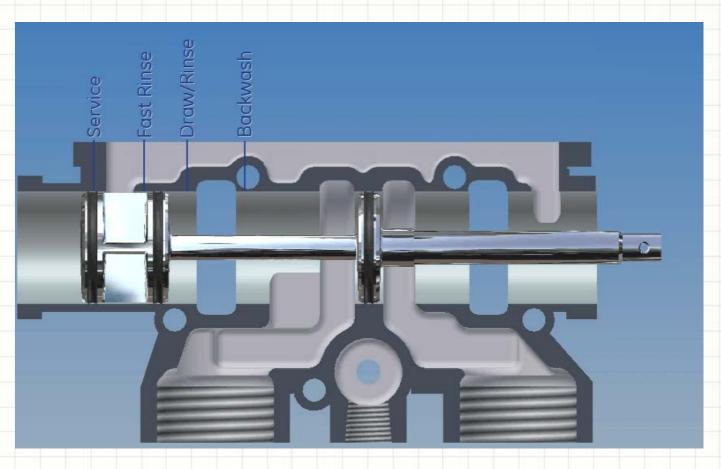
No wear parts

No calibration

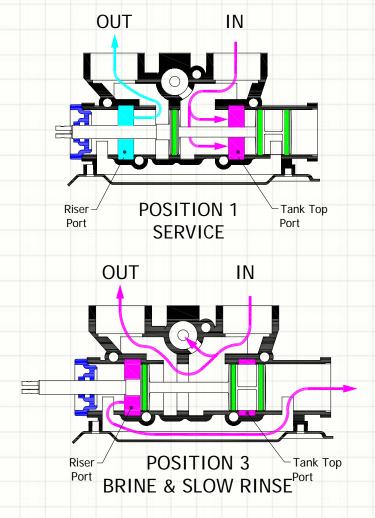


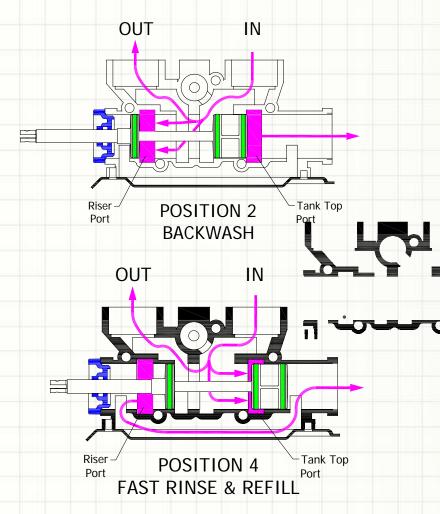


Elegant design



Flow Diagram





Internal brine injector





Removable
NEMA 4 / IP65 control
enclosure

NEMA 4 flexible plastic conduit for shut off kits

You can squirt it with a water hose





Corrosion Resistant

All metal contact parts are Austenitic Passivated 316 Stainless Steel



High Temperature – 180° F







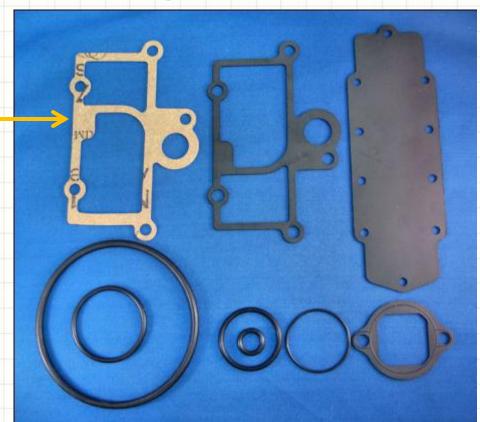


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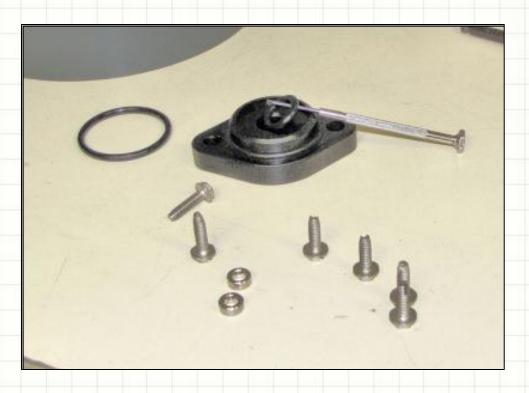
INNOVATIONS

Corrosion Resistant Gaskets and O-rings are EDPM

Cork Gaskets for tank adaptor for low temperature non corrosive applications



Corrosion Resistant Plastic end caps are Noryl



Zero lead.
Stainless steel
contains no lead.

No brass fittings in contact with the water.

Both no lead and low lead brass have some lead content.

Tank adaptor is also
Austenitic Passivated
316 Stainless Steel



Broad application

Very broad range of systems use exactly the same value and control system.

RF 50 to MF 1200 12"Ø to 48"Ø



DESIGN – ERC Controller One controller for all system types









BF SERIES

RF SERIES

MF SERIES

VN SERIES

Simple one piece piston

Over molded Dual-Lobe Seals

Can be efficiently replaced



Electronics are Plug and Play







Only seven parts







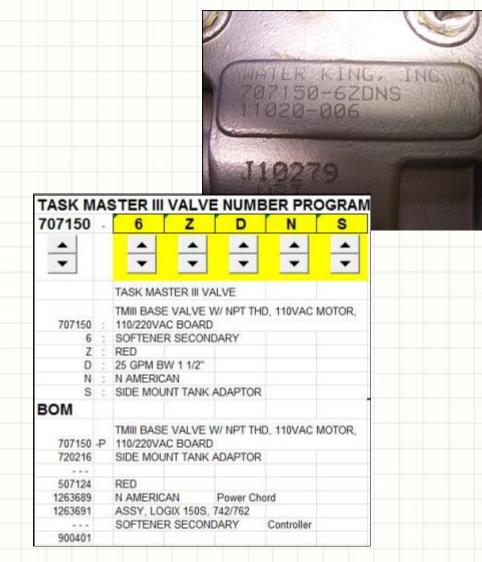






Values are serialized

Factory will know exact configuration of valve as originally manufactured



Value is not heavy or dangerous to work on

Shipping weight is only 25 lbs



Programming is user friendly and efficient

Push button manual regeneration

Push button step through on cycles





Valves made in our shop with "our own two hands"

Joe, Jason and Hector assemble and test the values

Ray keeps the test machine functioning

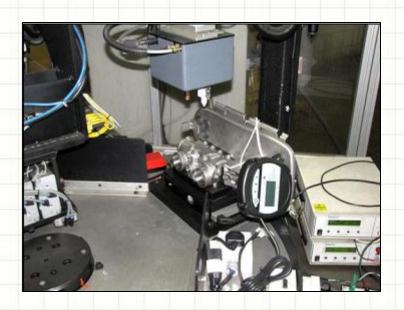
Jim stays out of the way



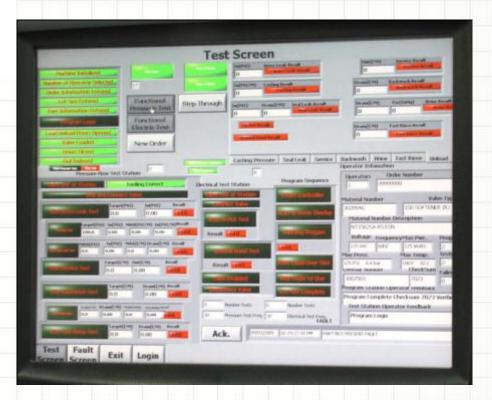
Rigorous quality control on all components

Every value individually tested

100% testing



MANUFACTURING - Task Master III



MANUFACTURINGTask Master III

American Machining

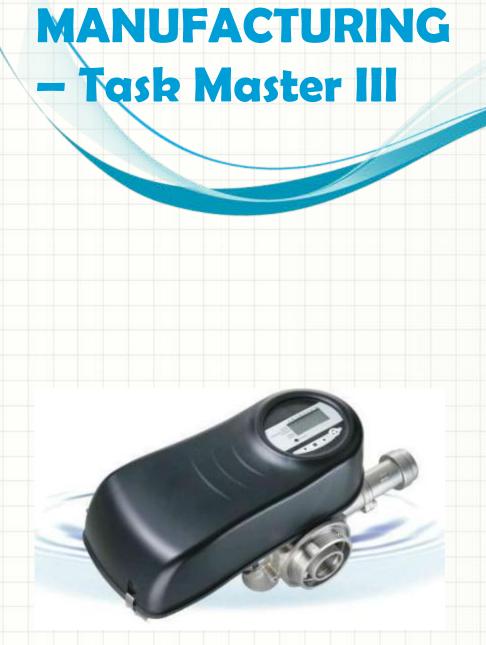
Machining quality is critical to this product





We are the beneficiaries of a multi million dollar development effort by GE Osmonics.

This product was designed to be the best, most modern, most reliable on the market.



Water King Task Master III (TM III)

Click image to view TM-III programming

demonstration



Water King – Task Master III - Advantage

Best value to the customer

Exclusivity

Continuing Parts and Repair Business

Direct personal contact with manufacturer – We stand behind our product

Expertise

Experience

