

# Do you have any “older” Cone Valves in your system?



## Remanufacture at Rodney Hunt

- New components (as needed)
- Blast clean to white metal
- Monel seating surfaces replaced to new valve tolerances
- All sleeves and bushings replaced and staked
- Operator shaft and lift nut replaced
- High solids - high build epoxy coating
- Hydro and leak test... just like a new valve

If you have S. Morgan Smith, Allis-Chalmers, or AC Valve cone valves (from 1930 -1990) in your system, most likely they're still performing reliably. The Rotovalve® Cone Valve manufactured by these companies - and today by Rodney Hunt Company - is wellknown for its long, uninterrupted service life.

However, if you're experiencing any problems with cone valves in your system, before replacing them, consider *remanufacturing* at Rodney Hunt Company.

## Remanufacturing at Rodney Hunt makes sense

Rodney Hunt has manufactured and *remanufactured* hundreds of Rotovalve cone valves for customers throughout the world.

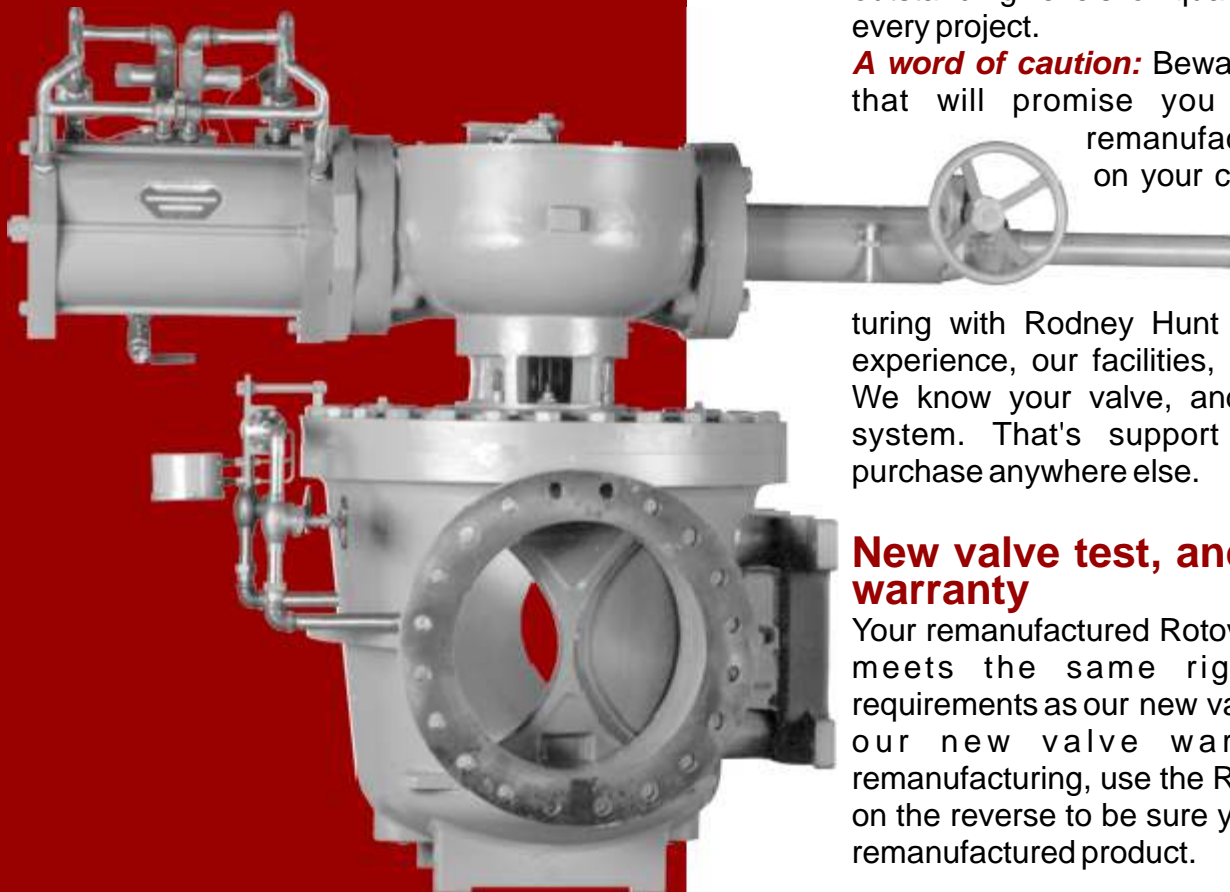
An international leader in the design and manufacture of cast and fabricated gates, valves and actuation equipment for liquid control applications, Rodney Hunt achieves outstanding levels of quality and value on every project.

**A word of caution:** Beware of "job shops" that will promise you comprehensive remanufacturing services on your critical valve components.

The value of remanufacturing with Rodney Hunt is rooted in our experience, our facilities, and our support. We know your valve, and we know your system. That's support you just can't purchase anywhere else.

## New valve test, and New valve warranty

Your remanufactured Rotovalve Cone Valve meets the same rigorous testing requirements as our new valves, and carries our new valve warranty. When remanufacturing, use the Rodney Hunt spec on the reverse to be sure you receive a fully remanufactured product.



# Specification for the remanufacturing of the Rotovalve Cone Valve



The Rotovalve shall be returned to the Original Equipment Manufacturer's factory and remanufactured to function, and appear as "new."

The Rotovalve shall be disassembled and parts cleaned. The monel seating surfaces shall be removed (by machining) from the body and plug. The bushings and sleeves shall be removed from the head body and plug. The plug, head, mechanism housing, and body shall be blast cleaned to near white metal and inspected for cracks and other damage.

The monel seat surfaces on the body and plug shall be replaced and machined to new valve tolerances.

The plug sleeves, body, and head bushings shall be replaced. New bushings and sleeves shall have an interference fit and shall be staked with set screws.

The operating shaft and lift nut shall be replaced. The new operating shaft shall be stainless steel with a minimum yield strength of 125,000 psi.

The operating mechanism components shall be inspected and any worn or damaged components shall be replaced with new components. The guide rods for the crosshead shall be replaced with new stainless steel rods.

The hydraulic cylinder will be replaced with a new cylinder. For cylinders to be operated by water, the new cylinder shall have materials in accordance with AWWA C540 Section 4.4 "Water-Hydraulic Cylinders."

The interior of the valve will be painted with two coats of a high solids epoxy suitable for potable water. The valve exterior and interior of the valve mechanism and mechanism components will be painted with two coats of high solids epoxy.,

The Rotovalve shall be re-assembled.

The Rotovalve assembly shall be hydrostatically tested for ten minutes at a pressure of the greater of 300 psi or 1.5 times the rated working pressure of the valve. During the hydrostatic test there shall be no evidence of leakage or weeping.

The Rotovalve shall be leak tested for five minutes at the rated working pressure. Leakage shall not exceed 0.4 ounces per minute per inch of valve diameter.

The Rotovalve shall be opened and closed using the operating mechanism for a minimum of three cycles. The operation shall be smooth and without noticeable binding.

**For more information and remanufacturing consultation:  
Call Rodney Hunt Company at 508-544-2511 or toll-free at 800-448-8860.**