

CLA-VAL uses racing tire technology to solve customer's problem with harsh water



Formula One is the most competitive racing in the world. When a Formula One driver brakes for a high-speed corner in the rain he depends on the grooves in his tires to channel the water away, keeping the tire in contact with the racetrack. Without grooves the car would hydroplane, or float on the surface of the water. Hydroplaning eliminates the race car's grip of the track and would result in loss of control.

Cla-Val has created a new **Dura-Kleen® Stem**. The **Dura-Kleen® Stem** utilizes this tire technology to solve a customer's problem with harsh water. Grooves in the racing tires allow the driver to maintain control of his car, while the **Dura-Kleen® Stem** channels deposits away from the stem and allows the system operator to maintain control of his system.

Southern California has some of the harshest water in the western United

States. In the mid 1960's Cla-Val invented the delrin stem to overcome problem applications of this type. The idea was that deposits could not build up on the delrin material. The delrin stem technology was the industry standard for years however, Gary Bright, Service Manager for Cla-Val, thought that Cla-Val's staff should be able to improve valve performance by redesigning the stem. Gary mentioned the problem to Cla-Val Technical Specialist Howard Reed. Howard is an auto buff with over 25 years of Cla-Val automatic control valve experience. During their brief meeting an idea was born, "what if we could channel deposits away from the stem much the same way that water is channeled away from the surface of the racecourse."

Cla-Val engineering staff began to develop and hone the idea of a rifled stem to clear deposits away from the stem. Different angles, profiles, and designs of rifling were tried until the optimum cleaning action was achieved. Cla-Val's manufacturing

engineering staff now had the difficult task of manufacturing the somewhat sophisticated part to the demanding tolerances of the unique design. Now after years of research, field-testing and many subtle improvements, the new **Dura-Kleen® Stem** is now available for any harsh water application at no additional cost over the delrin stem.

Cla-Val's new **Dura-Kleen® Stem** is just one of the many new innovations created to solve our customer's control valve problems. Our goal remains, to build the best automatic control valve in the world. Please contact your Cla-Val sales agent to review all the new products. Learn how you can put the "Cla-Val Advantage" to work for you.

CLA-VAL

Designing innovations you can depend on.

