

Simple adjustments of displacers for various switching differentials

Designed for applications requiring SS

High Temperature Applications

Acidic and Alkaline Liquids

UL & CSA approved

The Omnitrol Model 616/716 Top Mounted Actuators Stainless Steel Displacers

The Omnitrol Model 616 single actuator and the Model 716 double actuator are top mounted level switches. These controls have a standard 2-1/2" NPT connection and are also available with various sized flanges. The displacer is made from stainless steel tube. With a simple field adjustment, the displacer can be positioned to any desired elevation below the mounting connection to open and/or close an electric or pneumatic switch. The distance between the on/off or open/close is adjustable from a minimum of 2-1/2" (in a specific gravity of 1.0) to the maximum length of the cable, which is 10 feet (standard). Controls may be supplied with cables up to 75 feet for 600 series controls and 40 feet for 700 series.

Displacers do not ride the surface of the liquid,

but rather "sink" in the liquid, and they are not affected by surface agitation, thereby eliminating nuisance switching. These displacers are weighted and are not affected by turbulent liquids.

Omnitrol uses the *Constantly Engaged Magnetic Field* which gives a positive "make" or "break" action of the mercury switch. The power of Omnitrol's magnetic field enables the use of an SPST, SPDT, DPST, or DPDT switch economically on each actuator.

The temperature rating of each control is limited by the materials of construction, displacer, and switch selected. Mercury or micro switches can be used on each side of the actuator to provide double pole switching.



PRODUCT DATA SHEET

Model 616/716
Top Mounted Actuators
Stainless Steel Displacers

Specific Gravity Range	
Maximum	2.0
Minimum	.70
Allowable Specific Gravity Variation	+/- .2 Except note minimum
Temperature Rating (Process)	
Stainless Steel	500° F
Displacer Size	See Chart A

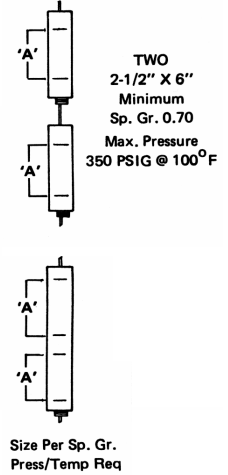
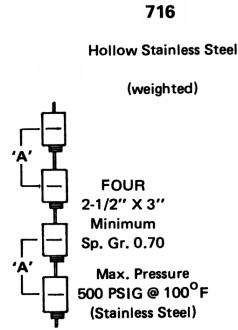
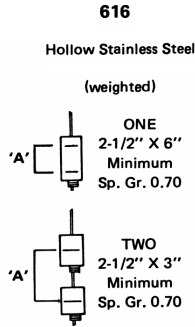


Chart A

All designs subject to change. Certified dimensions and specifications available upon request.

INFORMATION REQUIRED TO ORDER:

6(7)16- C - DEF - GH - I - JKL

Process Connection & Material _____

Flange Size _____

Flange Pressure Rating _____

Flange Face Type _____

Housing Type _____

Switch Type _____

Specific Gravity _____

Displacer Cable Length _____

Ground Level Checker _____

Specials _____