



## PRODUCT DATA SHEET

### Models 764W, 766W & 768W

Double Actuator Welded Chamber  
Mounted Switches

("W" Chamber)



**Factory Calibrated to each applications  
Specific Gravity**

**Hydrostatically Tested at 1.5 times the  
maximum design pressure**

**Available in CS, 304SS, 316SS**

**UL & CSA Approved**

## The Omnitrol Models 764W, 766W & 768W Double Actuator Welded Chamber Mounted Switches

Models 764W, 766W and 768W are double actuator controls. Each control is available with a wide variety of switches. These units are long welded chambers with nominal body diameters of 4" to 8". The long welded steel chamber totally encloses the solid graphite displacer (S.S. Displacer Option). Process connections are 1" NPT (standard). Process connections are available in other sizes and configurations (Flanged). These units are sized to meet your specific gravity and switching differential needs. "W" chambers are also used when a stainless steel displacer or special body length is required.

Pressure and temperature rating for these controls is 150 to 1000 (standard) psig at 500° F. Special materials of construction available on request.

The standard specific gravity setting of the liquid is specified on Table A (reverse side). If the specific gravity of the liquid increases, the switching differential will decrease. If the specific gravity of the liquid decreases, the switching differential will increase. Consult the factory with the application if the specific gravity of the liquid varies more than 0.1 from the standard specific gravity setting.



**PRODUCT DATA SHEET**

**Models 764W, 766W & 768W**

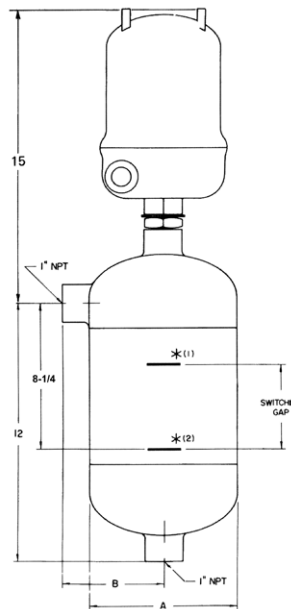
**Double Actuator Welded Chamber Mounted Switches**

Model Number	Dimensions		Standard Specific Gravity Setting	Switching Differential At Standard Setting	Minimum Setting Available on Special Order
	A	B			
764	4-1/2	3-1/2	.75	2"	.50
766	6-5/8	4-1/2	.65	7/8"	.50
768	8-5/8	5-1/2	.55	3/4"	.50

Table A

The 760 Series are not available for interface applications.

<b>Displacer Material</b>	Graphite
<b>Standard Switching Differential</b>	(see Table A)
<b>Pressure Ratings Available</b>	150 - 1000 psi
<b>Temperature Rating</b>	500° F
<b>Distance between Lower Switching Points of the Upper and Lower Actuators</b>	At standard specific gravity setting Minimum- 2" Maximum - 4" Set at 4" Unless otherwise specified
<b>Maximum Specific Gravity</b>	1.4



\* (1) Lower Switching Point of Upper Actuator

\* (2) Lower Switching Point of Lower Actuator

**\*Optional Flanged Connections**

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

**INFORMATION REQUIRED TO ORDER:**

**76(4,6,8)- DEF - GH - IJ - KL**

Chamber Type/Material \_\_\_\_\_

Displacer Material \_\_\_\_\_

Switch Housing \_\_\_\_\_

Max. Working Pressure \_\_\_\_\_

Chamber Process Connection Size \_\_\_\_\_

Switch Type \_\_\_\_\_

Specific Gravity \_\_\_\_\_

Chamber Connection Distance \_\_\_\_\_

Specials \_\_\_\_\_