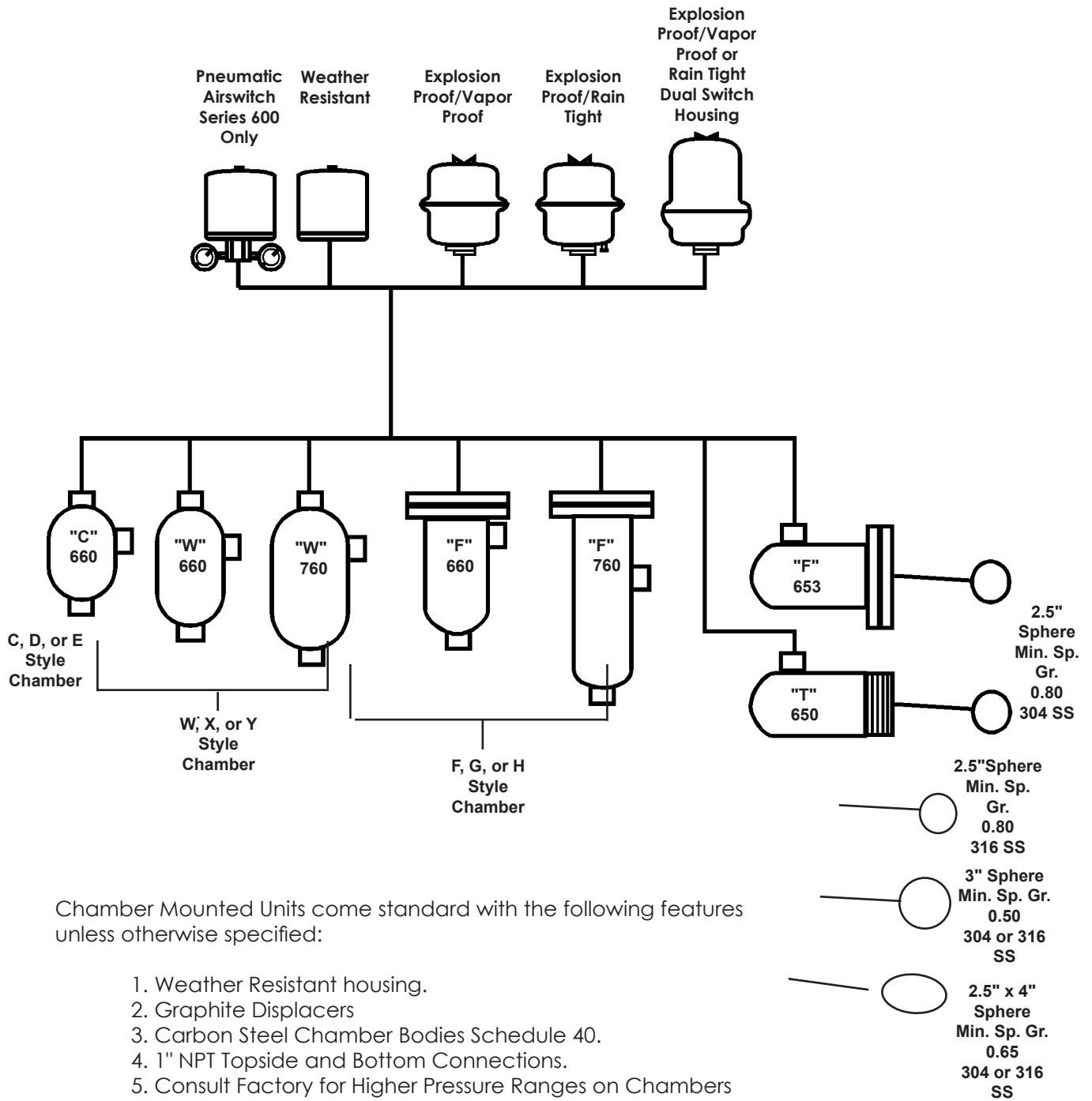




## Technical Reference Chamber Mount Series



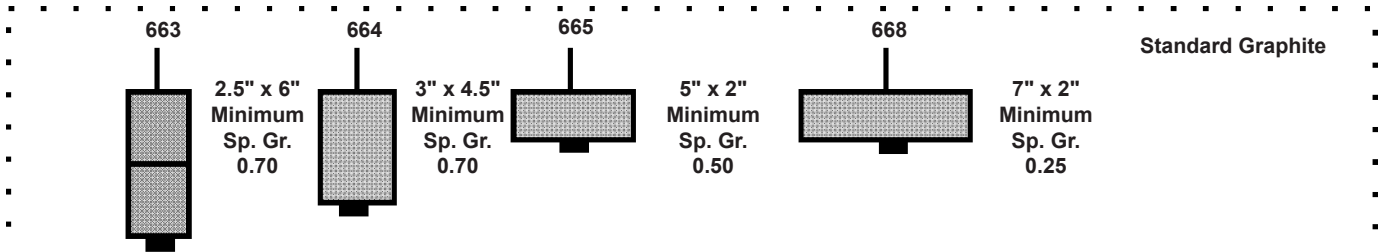
Chamber Mounted Units come standard with the following features unless otherwise specified:

1. Weather Resistant housing.
2. Graphite Displacers
3. Carbon Steel Chamber Bodies Schedule 40.
4. 1" NPT Topside and Bottom Connections.
5. Consult Factory for Higher Pressure Ranges on Chambers
6. Chambers Available in Standard Carbon Steel, 304 and 316 Stainless Steel

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

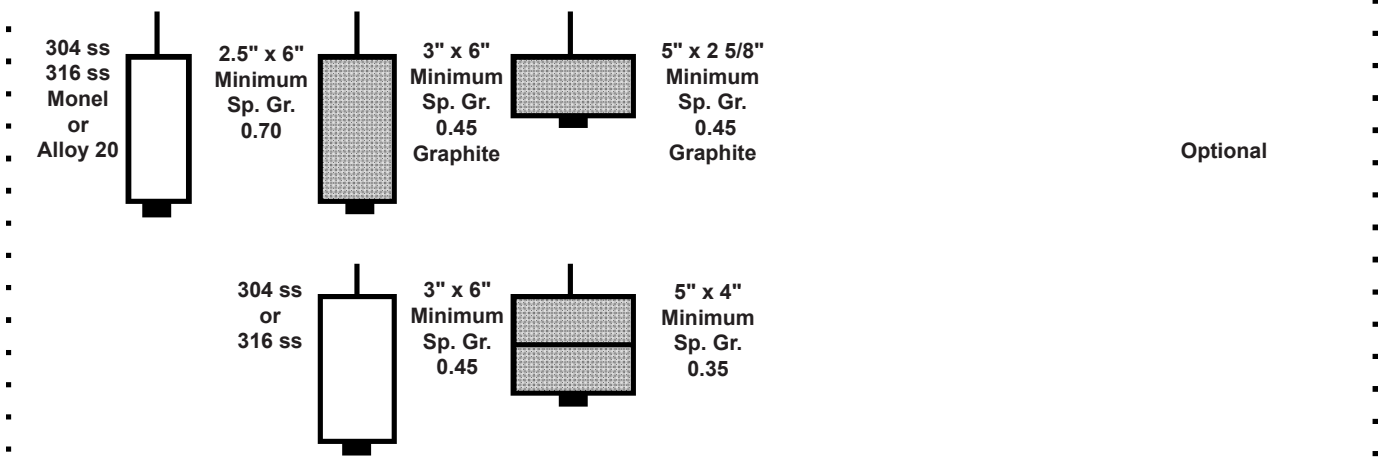


# Series 600 and 700 Chamber Mounted Switch Ordering Guide

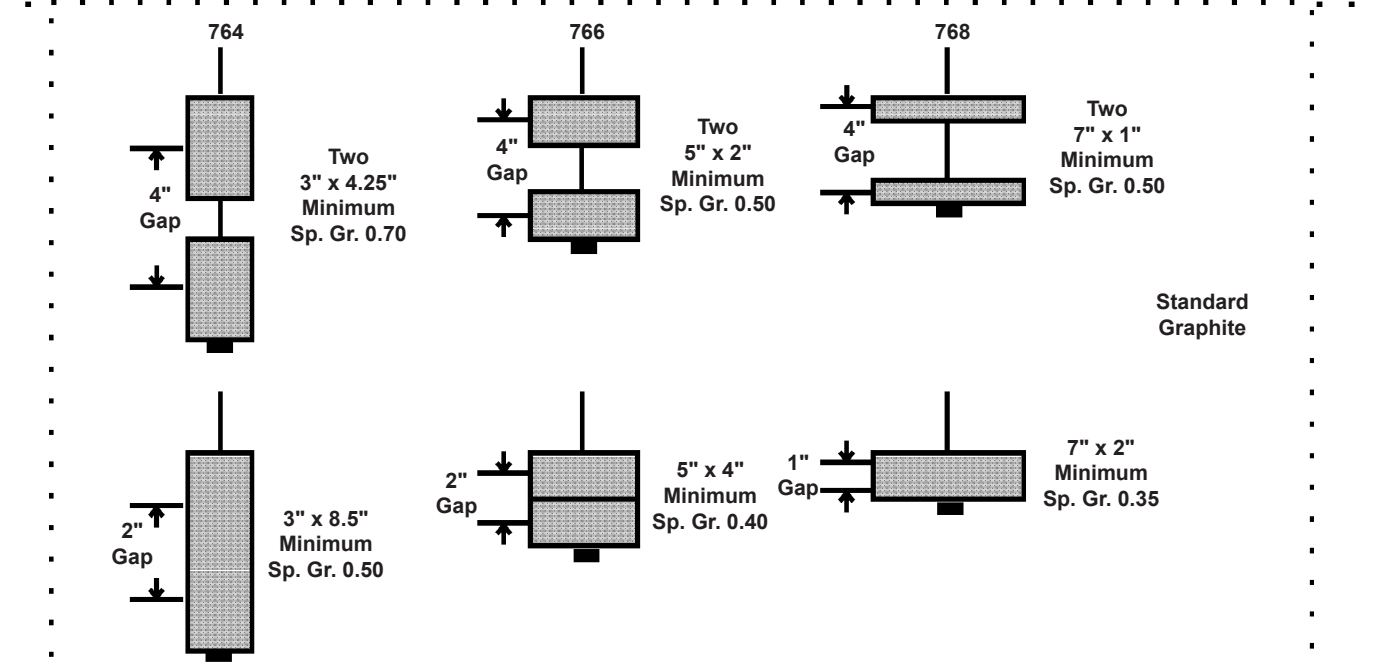


Standard Graphite

## 600 Series Chambers



Optional



Standard Graphite

## 700 Series Chambers

**Note:** Interface Applications Available in Flanged Series Chambers With 316SS Displacers only.  
Minimum Differential between two Liquids must be 0.25 Sp. Gr.





# Series 600 and 700 Chamber Mounted Switch Ordering Guide

Model **- A B C - D E F - G H H - I I J - K K L**

### A Number of Actuators

- 6 = Single
- 7 = Dual
- P = Pneumatic\*  
\*Weather Resistant Housing Only

### B Bill Type

- 2 = Switch Head
- 6 = Switch w/chamber

### C Chamber Size

- (See Table 1)
- 3 = 3" Diameter
  - 4 = 4" Diameter
  - 6 = 6" Diameter
  - 8 = 8" Diameter

### D Chamber Type /

- Material (See Table 1)**
- C = Short Carbon Steel\*
  - D = Short 304 SS\*
  - E = Short 316 SS\*
  - F = Flanged Carbon Steel
  - G = Flanged 304 SS
  - H = Flanged 316 SS
  - W = Long Carbon Steel
  - X = Long 304 SS
  - Y = Long 316 SS

\*Single Actuator Only

### E Displacer Material

- G = Graphite
- R = 304 SS
- S = 316 SS

### F Switch Housing

- W = Weather Resistant
- V = Explosion Proof/  
Vapor Proof GRP  
B, C, & D 4
- R = Explosion Proof/Rain  
Tight GRP C & D 4

### G Max Working Pressure 1

- 1 = 150 psi
- 2 = 300 psi
- 3 = 500 psi
- 4 = 600 psi
- 5 = 900 psi
- 6 = 1000 psi
- 7 = 1500 psi

### H Chamber Process 1

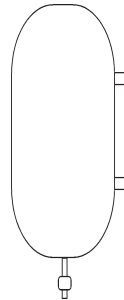
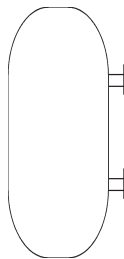
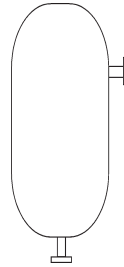
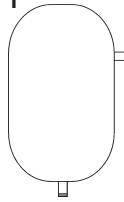
#### Connection Size

- 11 = 1" NPT
- 12 = 1" Skt Wld
- 13 = 1.5 NPT
- 14 = 1.5" Skt Wld
- 15 = 2" NPT
- 16 = 2" Skt Wld

- 21 = 1" 150 lb. RF
- 22 = 1" 300 lb. RF
- 23 = 1" 600 lb. RF
- 24 = 1.5 150 lb. RF
- 25 = 1.5 300 lb. RF
- 26 = 1.5 600 lb. RF
- 27 = 2" 150 lb. RF
- 28 = 2" 300 lb. RF
- 29 = 2" 600 lb. RF

- 31 = 1" 150 lb. RF
- 32 = 1" 300 lb. RF
- 33 = 1" 600 lb. RF
- 34 = 1.5 150 lb. RF
- 35 = 1.5 300 lb. RF
- 36 = 1.5 600 lb. RF
- 37 = 2" 150 lb. RF
- 38 = 2" 300 lb. RF
- 39 = 2" 600 lb. RF

- 41 = 1" 150 lb. RF
- 42 = 1" 300 lb. RF
- 43 = 1" 600 lb. RF
- 44 = 1.5 150 lb. RF
- 45 = 1.5 300 lb. RF
- 46 = 1.5 600 lb. RF
- 47 = 2" 150 lb. RF
- 48 = 2" 300 lb. RF
- 49 = 2" 600 lb. RF



### I Switch Type

- A2 = USE E2
- A4 = USE E4
- B2 = USE E2
- B4 = USE E4
- D2 = USE E2
- D4 = USE E4
- E2 = 20 Amp SPDT Micro
- E4 = 20 Amp DPDT Micro
- G4 = ECW Gold Contact 2
- H2 = 10 Amp DC SPDT MIC 2
- H4 = 10 Amp DC DPDT MIC 2
- M2 = 5 Amp SPDT Micro  
Hermatically  
Sealed 2
- M4 = 5 Amp DPDT Micro  
Hermatically  
Sealed 2
- S2 = 5 Amp SPDT Micro  
Environment Proof 2
- S4 = 5 Amp DPDT Micro  
Environment Proof 2

### Notes

1. Specify max working temp. if greater than 100 degree F. The maximum working pressure is limited to the lower value of table G or H.
2. No UL/CSA Approvals
3. C.F. - Consult Factory
4. No CSA Approvals

### Flange Rating

ANSI Class	MWP	(PSIG)
150 lb	170	275
300 lb	600	720
600 lb	1200	1480
Temp	500°F	100°F

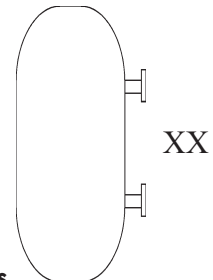
Min temp for Carbon Steel: - 20°F

### J Specific Gravity

- A = < .53 (Special C.F)
- B = .53 to .57
- C = .58 to .62
- D = .63 to .67
- E = .68 to .72
- F = .73 to .77
- G = .78 to .82
- H = .83 to .87
- I = .88 to .92
- J = .93 to .97
- K = .98 to 1.02
- L = 1.03 to 1.07
- M = 1.08 to 1.12
- N = 1.13 to 1.17
- O = > 1.17 (Special C.F)
- P = Interface (Special C.F)
- Y = Not Applicable

### K Chamber Connection Distance

- 00 = Std Chamber Length
- XX = Specify in Inches



### L Specials X

Table 1	C=3 3" Diameter	C=4 4" Diameter	C=6 6" Diameter	C=8 8" Diameter
(D=C) Short CS	N/A	Min. S.G. = .85	Min. S.G. = .65	Min. S.G. = .55
(D=D) Short 304SS	N/A	Min. S.G. = .85	Min. S.G. = .65	Min. S.G. = .55
(D=E) Short 316SS	N/A	Min. S.G. = .85	Min. S.G. = .65	Min. S.G. = .55
(D=F) Flanged CS	Min. S.G. = .9	Min. S.G. = .75	Min. S.G. = .65	Min. S.G. = .55
(D=G) Flanged 304SS	Min. S.G. = .9	Min. S.G. = .75	Min. S.G. = .65	Min. S.G. = .55
(D=H) Flanged 316SS	Min. S.G. = .9	Min. S.G. = .75	Min. S.G. = .65	Min. S.G. = .55
(D=W) Long CS	Min. S.G. = .85	Min. S.G. = .7	Min. S.G. = .45	Min. S.G. = .35
(D=X) Long 304SS	Min. S.G. = .85	Min. S.G. = .7	Min. S.G. = .45	Min. S.G. = .35
(D=Y) Long 316SS	Min. S.G. = .85	Min. S.G. = .7	Min. S.G. = .45	Min. S.G. = .35

SWITCH RATINGS (RESISTIVE)					
SWITCH TYPE	VOLTS	AC		DC	
		AMPS	HP	AMPS	HP
E	125	20	1	1/2	~
	250	20	2	1/4	~
G	125	1	~	~	~
H	125	10	1/4	10	~
	250	~	~	3	~
M	28	~	~	5	~
S	30	~	~	5	~
	250	5	~	~	~



# Series 600 and 700 Chamber Mounted Switch Ordering Guide



## Model Numbering Examples (Chamber Mounted):

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Example: Model # 764-FGV-111-E2E-0000

7	Dual Actuator
6	Switch with Chamber
4-F	4" Diameter Chamber Flanged Carbon Steel
G	Graphite Displacers (Dual Actuator)
V	Explosion Proof/Vapor Proof (Dual Actuator)
1	150 PSI Maximum working Pressure
11	1" NPT CS Process Connection (Rain Proof)
E2	20 Amp SPDT Micro
E	0.68 to 0.72 Sp Gr
00	STANDARD Chamber Length
00	No Special Options

Example: Model # 664-FGR-141-E4E-1200

6	Single Actuator Base Price
6	Switch with Chamber
4-F	4" Diameter Chamber Flanged Carbon Steel
G	Graphite Displacers (Single Actuator)
R	Explosion Proof/Rain Proof (Single Actuator)
1	150 PSI Maximum working Pressure
41	1" 150 lb. RF CS Process Connection
E4	20 Amp DPDT Micro
E	0.68 to 0.72 Sp Gr
12	12" Chamber Connection Distance
00	No Special Options

