

^bIf no specific information is available, these values can be assumed to represent the most common condition of tanks currently in use.

TABLE 24 TO SUBPART G OF PART 63—
TYPICAL NUMBER OF COLUMNS AS A
FUNCTION OF TANK DIAMETER FOR
INTERNAL FLOATING ROOF TANKS
WITH COLUMN SUPPORTED FIXED
ROOFS^A

Tank diameter range (D in feet)	Typical number of columns, (N _c)
0 < D ≤ 85	1
85 < D ≤ 100	6
100 < D ≤ 120	7
120 < D ≤ 135	8
135 < D ≤ 150	9
150 < D ≤ 170	16
170 < D ≤ 190	19
190 < D ≤ 220	22
220 < D ≤ 235	31
235 < D ≤ 270	37
270 < D ≤ 275	43
275 < D ≤ 290	49
290 < D ≤ 330	61
330 < D ≤ 360	71
360 < D ≤ 400	81

^aData in this table should not supersede information on actual tanks.

TABLE 25 TO SUBPART G OF PART 63—
EFFECTIVE COLUMN DIAMETER (F_c)

Column type	F _c (feet)
9-inch by 7-inch built-up columns	1.1
8-inch-diameter pipe columns	0.7
No construction details known	1.0

TABLE 26 TO SUBPART G OF PART 63—
SEAL RELATED FACTORS FOR INTER-
NAL FLOATING ROOF VESSELS

Seal type	K _s	n
Liquid mounted resilient seal:		
Primary seal only	3.0	0
With rim-mounted secondary seal ^a	1.6	0
Vapor mounted resilient seal:		
Primary seal only	6.7	0
With rim-mounted secondary seal ^a	2.5	0

^aIf vessel-specific information is not available about the secondary seal, assume only a primary seal is present.

TABLE 27 TO SUBPART G OF PART 63—
SUMMARY OF INTERNAL FLOATING
DECK FITTING LOSS FACTORS (K_F)
AND TYPICAL NUMBER OF FITTINGS
(N_F)

Deck fitting type	Deck fitting loss factor (K _F) ^a	Typical number of fittings (N _F)
Access hatch		1.

Deck fitting type	Deck fitting loss factor (K _F) ^a	Typical number of fittings (N _F)
Bolted cover, gasketed.	1.6	
Unbolted cover, gasketed.	11	
Unbolted cover, ungasketed.	^b 25	
Automatic gauge float well.		1.
Bolted cover, gasketed.	5.1	
Unbolted cover, gasketed.	15	
Unbolted cover, ungasketed.	^b 28	
Column well		(see Table 24).
Builtup column-sliding cover, gasketed.	33	
Builtup column-sliding cover, ungasketed.	^b 47	
Pipe column-flexible fabric sleeve seal.	19	
Pipe column-sliding cover, gasketed.	32	
Pipe column-sliding cover, ungasketed.		
Ladder well		1.
Sliding cover, gasketed.	56	
Sliding cover, ungasketed.	^b 76	
Roof leg or hanger well.		(5+D/10+D ² /600) ^c .
Adjustable	^b 7.9	
Fixed	0	
Sample pipe or well		1.
Slotted pipe-sliding cover, gasketed.	44	
Slotted pipe-sliding cover, ungasketed.	57	
Sample well-slit fabric seal, 10 percent open area.	^b 12	
Stub drain, 1-in diameter ^d .	1.2	(D ² /125) ^c .
Vacuum breaker		1.
Weighted mechanical actuation, gasketed.	^b 0.7	
Weighted mechanical actuation, ungasketed.	0.9	

^aUnits for K_F are pound-moles per year.