

Appendix A-1. Facilities to Maintain Temperature Storage Charts For

Meat And Poultry Cold Storage Chart For Walk-In And Walk-In Units

The following three charts are based on the volume of the meals, number of meals served and frequency of delivery.

To calculate the interior storage space required for walk-in refrigeration units for the following charts to square feet, simply divide the cu. ft. (volume), in each case by the height of the unit.

MEAT AND POULTRY COLD STORAGE CHART FOR WALK-IN UNITS

number of meals served between deliveries	storage per cu. ft. per 0.01 Cu. Ft. per meal per number meals served	storage per cu. ft. per 0.015 Cu. Ft. per meal per number meals served	storage per cu. ft. per 0.020 Cu. Ft. per meal per number meals served	storage per cu. ft. per 0.025 Cu. Ft. per meal per number meals served	storage per cu. ft. per 0.03 Cu. Ft. per meal per number meals served
200	5	7.50	10.00	12.50	15.00
250	6.25	9.38	12.50	15.63	18.75
300	7.50	11.25	15.00	18.75	22.50
350	8.75	13.13	17.50	21.88	26.25
400	10.00	15.00	20.00	25.00	30.00
450	11.25	16.88	22.50	28.13	33.75
500	12.50	18.75	25.00	31.25	37.50
550	13.75	20.63	27.50	34.38	41.25
600	15.00	22.50	30.00	37.50	45.00
650	16.25	24.38	32.50	40.63	48.75
700	17.50	26.25	35.00	43.75	52.50
750	18.75	28.13	37.50	46.88	56.25
800	20.00	30.00	40.00	50.00	60.00
850	21.25	31.88	42.50	53.13	63.75
900	22.50	33.75	45.00	56.25	67.50
950	23.75	35.63	47.50	59.38	71.25
1000	25.00	37.50	50.00	62.50	75.00

MEAT AND POULTRY COLD STORAGE CHART FOR WALK-IN UNITS

number of meals served between deliveries	storage per cu. ft. per 0.01 Cu. Ft. per meal per number meals served	storage per cu. ft. per 0.015 Cu. Ft. per meal per number meals served	storage per cu. ft. per 0.020 Cu. Ft. per meal per number meals served	storage per cu. ft. per 0.025 Cu. Ft. per meal per number meals served	storage per cu. ft. per 0.03 Cu. Ft. per meal per number meals served
1050	26.25	39.38	52.50	65.63	78.75
1100	27.50	41.25	55.00	68.75	82.50
1150	28.75	43.13	57.50	71.88	86.25
1200	30.00	45.00	60.00	75.00	90.00
1250	31.25	46.88	62.50	78.13	93.75
1300	32.50	48.75	65.00	81.25	97.50
1350	33.75	50.63	67.50	84.38	101.25
1400	35.00	52.50	70.00	87.50	105.00
1450	36.25	54.38	72.50	90.63	108.75
1500	37.50	56.25	75.00	93.75	112.50
1550	38.75	58.13	77.50	96.88	116.25
1600	40.00	60.00	80.00	100.00	120.00
1650	41.25	61.88	82.50	103.13	123.75
1700	42.50	63.75	85.00	106.25	127.50
1750	43.75	65.63	87.50	109.38	131.25
1800	45.00	67.50	90.00	112.50	135.00
1850	46.25	69.38	92.50	115.63	138.75
1900	47.50	71.25	95.00	118.75	142.50
1950	48.75	73.13	97.50	121.88	146.25
2000	50.00	75.00	100.00	125.00	150.00

Vegetable and Fruit Cold Storage Chart For Walk-In Units

number of meals meals served between deliveries	Storage per cu. ft. per 0.020 Cu. Ft. per meal per number meals served	storage per cu. ft. per 0.025 Cu. Ft. per meal per number meals served	storage per cu. ft. per 0.030 Cu. Ft. per meal per number meals served	storage per cu. ft. per 0.035 Cu. Ft. per meal per number meals served	storage per cu. ft. per 0.040 Cu. Ft. per meal per number meals served
200	10.00	12.50	15.00	17.50	20.00
250	12.50	15.63	18.75	21.88	25.00
300	15.00	18.75	22.50	26.25	30.00
350	17.50	21.88	26.25	30.63	35.00
400	20.00	25.00	30.00	35.00	40.00
450	22.50	28.13	33.75	39.38	45.00
500	25.00	31.25	37.50	43.75	50.00
550	27.50	34.38	41.25	48.13	55.00
600	30.00	37.50	45.00	52.50	60.00
650	32.50	40.63	48.75	56.88	65.00
700	35.00	43.75	52.50	61.25	70.00
750	37.50	46.88	56.25	65.63	75.00
800	40.00	50.00	60.00	70.00	80.00
850	42.50	53.13	63.75	74.38	85.00
900	45.00	56.25	67.50	78.75	90.00
950	47.50	59.38	71.25	83.13	95.00
1000	50.00	62.50	75.00	87.50	100.00

Vegetable and Fruit Cold Storage Chart For Walk-In Units					
number of meals served between deliveries	storage per cu. ft. per meal per number meals served	storage per cu. ft. per meal per number meals served	storage per cu. ft. per meal per number meals served	storage per cu. ft. per meal per number meals served	storage per cu. ft. per meal per number meals served
1050	52.50	65.63	78.75	91.88	105.00
1100	55.00	68.75	82.50	96.25	110.00
1150	57.50	71.88	86.25	100.63	115.00
1200	60.00	75.00	90.00	105.00	120.00
1250	62.50	78.13	93.75	109.38	125.00
1300	65.00	81.25	97.50	113.75	130.00
1350	67.50	84.38	101.25	118.13	135.00
1400	70.00	87.50	105.00	122.50	140.00
1450	72.50	90.63	108.75	126.88	145.00
1500	75.00	93.75	112.50	131.25	150.00
1550	77.50	96.88	116.25	135.63	155.00
1600	80.00	100.00	120.00	140.00	160.00
1650	82.50	103.13	123.75	144.38	165.00
1700	85.00	106.25	127.50	148.75	170.00
1750	87.50	109.38	131.25	153.13	175.00
1800	90.00	112.50	135.00	157.50	180.00
1850	92.50	115.63	138.75	161.88	185.00
1900	95.00	118.75	142.50	166.25	190.00
1950	97.50	121.88	146.25	170.63	195.00
2000	100.00	125.00	150.00	175.00	200.00

DAIRY COLD STORAGE CHART FOR WALK-IN UNITS

number of meals served between deliveries	storage per cu. ft. per meal per number meals served	storage per cu. ft. per meal per number meals served	storage per cu. ft. per meal per number meals served	storage per cu. ft. per meal per number meals served	Storage per cu. ft. per meal per number meals served
200	3.50	4.50	5.50	6.50	7.50
250	4.38	5.63	6.88	8.13	9.38
300	5.25	6.75	8.25	9.75	11.25
350	6.13	7.88	9.63	11.38	13.13
400	7.00	9.00	11.00	13.00	15.00
450	7.88	10.13	12.38	14.63	16.88
500	8.75	11.25	13.75	16.25	18.75
550	9.63	12.38	15.13	17.88	20.63
600	10.50	13.50	16.50	19.50	22.50
650	11.38	14.63	17.88	21.13	24.38
700	12.25	15.75	19.25	22.75	26.25
750	13.13	16.88	20.63	24.38	28.13
800	14.00	18.00	22.00	26.00	30.00
850	14.88	19.13	23.38	27.63	31.88
900	15.75	20.25	24.75	29.25	33.75
950	16.63	21.38	26.13	30.88	35.63
1000	17.50	22.50	27.50	32.50	37.50

DAIRY COLD STORAGE CHART FOR WALK-IN UNITS

number of meals served between deliveries	storage per cu. ft. per 0.007 Cu. Ft. per meal per number meals served	storage per cu. ft. per 0.009 Cu. Ft. per meal per number meals served	storage per cu. ft. per 0.011 Cu. Ft. per meal per number meals served	storage per cu. ft. per 0.013 Cu. Ft. per meal per number meals served	Storage per cu. ft. per 0.015 Cu. Ft. per meal per number meals served
1050	18.38	23.63	28.88	34.13	39.38
1100	19.25	24.75	30.25	35.75	41.25
1150	20.13	25.88	31.63	37.38	43.13
1200	21.00	27.00	33.00	39.00	45.00
1250	21.88	28.13	34.38	40.63	46.88
1300	22.75	29.25	35.75	42.25	48.75
1350	23.63	30.38	37.13	43.88	50.63
1400	24.50	31.50	38.50	45.50	52.50
1450	25.38	32.63	39.88	47.13	54.38
1500	26.25	33.75	41.25	48.75	56.25
1550	27.13	34.88	42.63	50.38	58.13
1600	28.00	36.00	44.00	52.00	60.00
1650	28.88	37.13	45.38	53.63	61.88
1700	29.75	38.25	46.75	55.25	63.75
1750	30.63	39.38	48.13	56.88	65.63
1800	31.50	40.50	49.50	58.50	67.50
1850	32.38	41.63	50.88	60.13	69.38
1900	33.25	42.75	52.25	61.75	71.25
1950	34.13	43.88	53.63	63.38	73.13
2000	35.00	45.00	55.00	65.00	75.00