

PIPE CAPACITIES & VOLUME MEASURES

Project _____
 Item _____
 Quantity _____
 FCSI Section 11400 _____
 Approved _____
 Date _____

Recommended Pipe Capacity

Figures to the right are based on 100 feet clean iron pipe, allowing 10% pressure drop. The presence of valves, elbows etc. was not considered in calculating the above values; If the length of pipe is less than 100 feet, the pressure drop will be proportionately less than 10%.

If the rate of flow shown for a given pressure and pipe size is increased, the pressure drop will be greater. If the rate of flow is decreased, the pressure drop will be less. The pressure drop to use depends on the particular circumstance.

Maximum Flow Rate of Dry Steam in Pounds Per Hour

Supply Pressure	Standard Pipe Size					
	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
5	20	40	70	140	210	380
10	30	60	110	220	320	600
15	40	80	150	290	430	
20	50	100	180	360	530	
25	60	120	220	430		
30	70	140	250	500		
35	80	160	290	570		
50	100	210	380	760		

Kettle Volume Measures

The Volume Measure Chart to the right identifies liquid output of Batch Sizes to Portioned Servings calculations

NOTE: The BATCH SIZE is smaller than the SPECIFIED SIZE because you will not fill the kettle to the rim (SPECIFIED SIZE) during actual usage.

KETTLE CAPACITY

SPECIFIED SIZE		BATCH SIZE	PORTIONED SERVINGS (calculated)					
U.S. Gal.	liters	U.S. Gal.	30ml. 1 oz.	60ml. 2 oz.	90ml. 3 oz.	120ml. 4oz.	180ml. 6 oz.	240ml. 8 oz.
0.5	2	0.4	51	26	17	13	9	6
3	11	2.6	333	167	111	83	37	56
6	23	5	640	320	213	160	107	80
12	45	10	1280	640	427	320	213	160
20	76	18	2304	1152	768	576	384	288
25	95	21	2688	1344	896	672	448	336
30	114	26	3328	1664	1109	832	555	416
40	151	36	4698	2304	1536	1152	768	576
60	227	53	6784	3393	2261	1696	1131	848
80	303	71	9088	4544	3029	2272	1515	1136
100	379	88	11264	5632	3755	2816	877	1408
125	473	110	14080	7040	4693	3520	2347	1760
150	568	132	16896	8448	5632	4224	2816	2112
200	757	170	21760	10880	7253	5440	3627	2720
250	946	213	27264	13632	9088	6816	4544	3408

Skillet Batch Size Volume Measures

This Liquid Volume Measure Chart identifies Batch Size to Portioned Servings calculations.

SKILLET CAPACITY

SKILLET CAPACITY		BATCH SIZE PORTIONED SERVINGS (calculated)					
U.S. Gal.	Liters	30ml. 1 oz.	60ml. 2 oz.	90ml. 3 oz.	120ml. 4oz.	180ml. 6 oz.	240ml. 8 oz.
10	38	1280	640	426	320	213	160
15	57	1920	960	640	495	320	240
30	114	3840	1920	1280	960	640	480
40	152	5120	2560	1760	1280	853	640