



Imperial Nozzle Selection Chart X-45

Ristretto		Multiplier	Oz/Minute Flow Rate - Hours													
Yield Gallons	Dispense Gallons	3	Hours													
		LBS Coffee	1	1.25	1.5	1.75	2	2.25	2.5	2.75	3	3.25	3.5	3.75	4	
1.8	2.56	5.0	5.5	4.4	3.6	3.1	2.7	2.4	2.2	2.0	1.8	1.7	1.6	1.5	1.4	
3.6	5.13	10.0	10.9	8.8	7.3	6.3	5.5	4.9	4.4	4.0	3.6	3.4	3.1	2.9	2.7	
5.4	7.69	15.0	16.4	13.1	10.9	9.4	8.2	7.3	6.6	6.0	5.5	5.0	4.7	4.4	4.1	
7.2	10.26	20.0	21.9	17.5	14.6	12.5	10.9	9.7	8.8	8.0	7.3	6.7	6.3	5.8	5.5	
9.0	12.82	25.0	27.4	21.9	18.2	15.6	13.7	12.2	10.9	9.9	9.1	8.4	7.8	7.3	6.8	
10.8	15.39	30.0	32.8	26.3	21.9	18.8	16.4	14.6	13.1	11.9	10.9	10.1	9.4	8.8	8.2	
12.6	17.95	35.0	38.3	30.6	25.5	21.9	19.1	17.0	15.3	13.9	12.8	11.8	10.9	10.2	9.6	
14.4	20.51	40.0	43.8	35.0	29.2	25.0	21.9	19.5	17.5	15.9	14.6	13.5	12.5	11.7	10.9	

Nozzles- Standard Flow Rates	Sample-300	DBL-3	DBL-4	WL-1/4	No Go Zone
	5	6.5	9	13	
	7	9	13	32	

Mezzo		Multiplier	Oz/Minute Flow Rate - Hours													
Yield Gallons	Dispense Gallons	3.5	Hours													
		LBS Coffee	1	1.25	1.5	1.75	2	2.25	2.5	2.75	3	3.25	3.5	3.75	4	
2.1	2.32	5.0	4.9	4.0	3.3	2.8	2.5	2.2	2.0	1.8	1.6	1.5	1.4	1.3	1.2	
4.2	4.63	10.0	9.9	7.9	6.6	5.6	4.9	4.4	4.0	3.6	3.3	3.0	2.8	2.6	2.5	
6.3	6.95	15.0	14.8	11.9	9.9	8.5	7.4	6.6	5.9	5.4	4.9	4.6	4.2	4.0	3.7	
8.4	9.27	20.0	19.8	15.8	13.2	11.3	9.9	8.8	7.9	7.2	6.6	6.1	5.6	5.3	4.9	
10.5	11.58	25.0	24.7	19.8	16.5	14.1	12.4	11.0	9.9	9.0	8.2	7.6	7.1	6.6	6.2	
12.6	13.90	30.0	29.7	23.7	19.8	16.9	14.8	13.2	11.9	10.8	9.9	9.1	8.5	7.9	7.4	
14.7	16.22	35.0	34.6	27.7	23.1	19.8	17.3	15.4	13.8	12.6	11.5	10.6	9.9	9.2	8.6	
16.8	20.10	40.0	42.9	33.3	28.6	24.5	21.4	19.1	17.1	15.6	14.3	13.2	12.2	11.4	10.7	



Lungo		Multiplier	Oz/Minute Flow Rate - Hours													
Gallons Yield	Dispense Gallons	4	Hours													
		LBS Coffee	1	1.25	1.5	1.75	2	2.25	2.5	2.75	3	3.25	3.5	3.75	4	
2.4	2.42	5.0	5.2	4.1	3.3	2.8	2.5	2.2	2.0	1.8	1.6	1.5	1.4	1.3	1.2	
4.8	4.84	10.0	10.3	8.3	6.6	5.6	4.9	4.4	4.0	3.6	3.3	3.0	2.8	2.6	2.5	
7.2	7.26	15.0	15.5	12.4	9.9	8.5	7.4	6.6	5.9	5.4	4.9	4.6	4.2	4.0	3.7	
9.6	9.68	20.0	20.7	16.5	13.2	11.3	9.9	8.8	7.9	7.2	6.6	6.1	5.6	5.3	4.9	
12.0	12.10	25.0	25.8	20.7	16.5	14.1	12.4	11.0	9.9	9.0	8.2	7.6	7.1	6.6	6.2	
14.4	14.53	30.0	31.0	24.8	20.7	17.7	15.5	13.8	12.4	11.3	10.3	9.5	8.9	8.3	7.7	
16.8	16.95	35.0	36.2	28.9	24.1	20.7	18.1	16.1	14.5	13.1	12.1	11.1	10.3	9.6	9.0	
19.2	19.37	40.0	41.3	33.1	27.5	23.6	20.7	18.4	16.5	15.0	13.8	12.7	11.8	11.0	10.3	