



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 | | Hago M3 | DBL-3 | DBL-4 | WL-1/4 | No Go Zone |
| | | 3.5 | 6.5 | 9 | 13 | |
| | | 4.5 | 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 | |



Imperial Nozzle Selection Chart X-45

| Lungo | | Multiplier 4 | Oz/Minute Flow Rate - Hours | | | | | | | | | | | | |
|---------------|---------------------|-----------------|-----------------------------|-------|------|------|------|------|------|------|------|------|------|------|------|
| Gallons Yield | Dispense Gallons | | LBS Coffee | Hours | | | | | | | | | | | |
| | | | 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 |