

Water per litre of spirit, by target ABV

| FROM | TO 40% | TO 43% | TO 46% | TO 50% |
|------|--------|--------|--------|--------|
| 95%  | 1.38 L | 1.21 L | 1.07 L | 0.90 L |
| 90%  | 1.25 L | 1.09 L | 0.96 L | 0.80 L |
| 85%  | 1.12 L | 0.98 L | 0.85 L | 0.70 L |
| 80%  | 1.00 L | 0.86 L | 0.74 L | 0.60 L |
| 75%  | 0.88 L | 0.74 L | 0.63 L | 0.50 L |
| 70%  | 0.75 L | 0.63 L | 0.52 L | 0.40 L |
| 65%  | 0.62 L | 0.51 L | 0.41 L | 0.30 L |
| 60%  | 0.50 L | 0.40 L | 0.30 L | 0.20 L |
| 55%  | 0.38 L | 0.28 L | 0.20 L | 0.10 L |
| 50%  | 0.25 L | 0.16 L | 0.09 L | 0.00 L |

Common batches, target 40% ABV

| FROM  | PER 1 L | PER 2 L | PER 5 L |
|-------|---------|---------|---------|
| 75%   | 875 mL  | 1750 mL | 4.38 L  |
| 70%   | 750 mL  | 1500 mL | 3.75 L  |
| 65%   | 625 mL  | 1250 mL | 3.12 L  |
| 63.5% | 587 mL  | 1175 mL | 2.94 L  |
| 60%   | 500 mL  | 1000 mL | 2.50 L  |
| 55%   | 375 mL  | 750 mL  | 1.88 L  |
| 50%   | 250 mL  | 500 mL  | 1.25 L  |

Method

- Water = volume × (start ÷ target – 1)
- Ethanol and water contract 1–3% on mixing, so true water need is slightly higher: add in stages, re-measure at 20°C between additions.
- Below ~46% ABV expect louching in oil-rich spirits; dilute slowly and rest.
- Use distilled or demineralised water only.

Values use straight alcohol conservation and slightly understate water for high drops. For bottling precision use the OIML-corrected calculator at [distilcalc.com](#).