

## SOLUTION

MRP RANGE

# Drinking Water

**₹15,000 — ₹1,00,000**Kitchen RO/UF and centralised purifiers ·  
10-2400 L/day*MRP inclusive of GST. Kitchen units 15K-25K;  
centralised 25-100 LPH units 20K-1L.*

Drinking water is the only treatment surface the customer interacts with daily. The kitchen RO sits beside the tap. The centralised unit sits in an institutional pantry serving fifty people. Across both, the standard is the same: removed dissolved contaminants, removed microbes, preserved minerals where possible, transparent reject ratio.

## CAPACITY TIERS

<b>Kitchen RO</b>	10-15 LPH	Wall-mount or under-sink · single family
<b>Kitchen UF</b>	10-15 LPH	Zero-reject for sub-200 ppm municipal supply
<b>Centralised 25 LPH</b>	600 L/day	Small offices, clinics, labs · 25-50 people
<b>Centralised 50 LPH</b>	1,200 L/day	Mid-size offices, school canteens · 50-100 people
<b>Centralised 100 LPH</b>	2,400 L/day	Large offices, hospitals · 100-200 people

## KEY SPECIFICATIONS

**RO variant treatment**

5-stage: sediment → carbon → RO membrane → UV → post-filter

**UF variant treatment**

4-stage: sediment → activated carbon → UF membrane → UV

**Membrane performance**

RO: ≥97% salt rejection, TFC membrane, recovery 30-55% by SKU

**UF pore size**

0.01-0.1 micron · removes bacteria, cysts, colloidal particles

**UV dose**254 nm, ≥12-30 mJ/cm<sup>2</sup> depending on capacity**Storage**

Kitchen: 8-12 L · Centralised: separate tank (add-on)

**Suitable inlet TDS**

RO variants: up to 4,000 ppm · UF variants: below 300 ppm

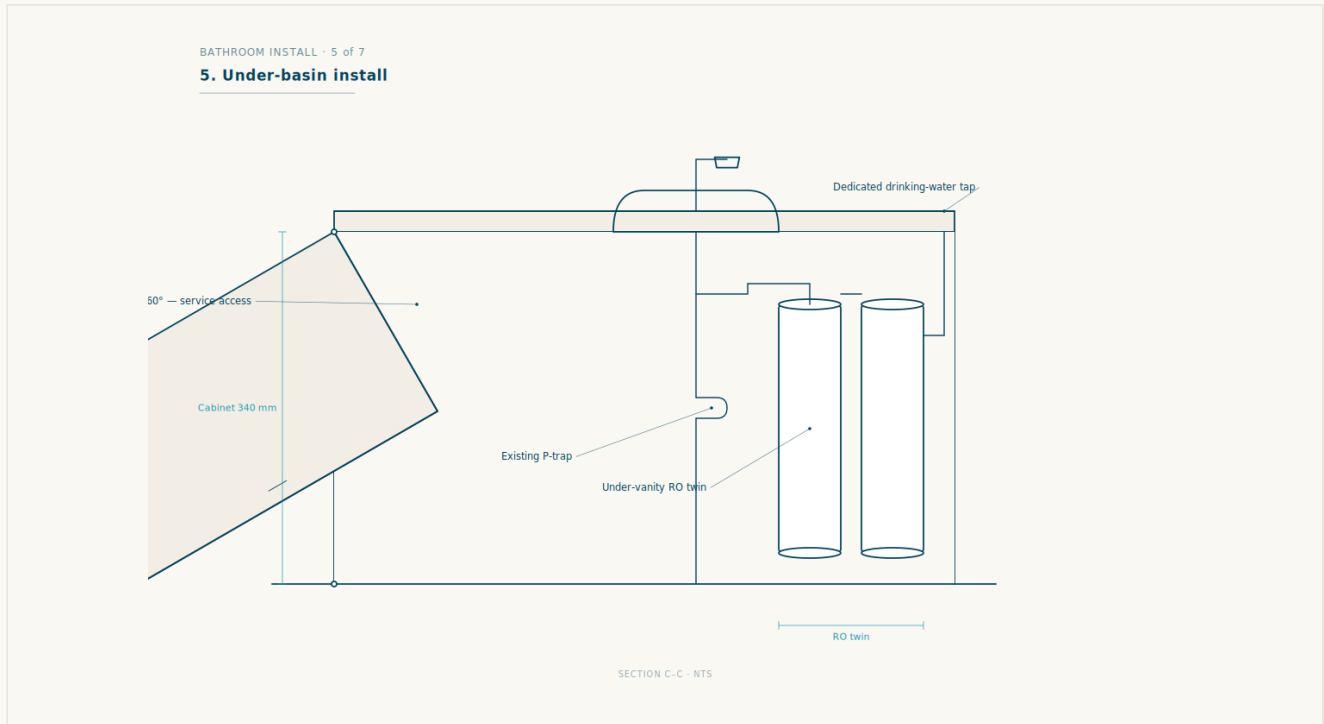
**Construction**

Kitchen: food-grade ABS/PP · Centralised: SS304 skid frame

## WATER PROBLEMS ADDRESSED

- High TDS water (>500 ppm) — bitter taste, kidney stress, scale in kettles
- Heavy metals — lead, arsenic, nitrates from contaminated groundwater
- Bacteria and cysts — gastrointestinal illness from municipal cross-contamination
- Chlorine taste and odour from municipal disinfection

INSTALL CONTEXT



Under-sink kitchen

AMC SCOPE

Quarterly visits: pre-filter cartridge change, UV lamp check, TDS log. Annual: RO membrane assessment. UV lamp replacement at 8,000 hours.

*Two litres a person, every day, with no surprises. The standard is the standard.  
 Specifications subject to revision. Confirm capacities at site survey.*