



SINGLE TANK SPEC SHEET

WHOLE-HOME SOFTENER & CARBON FILTRATION

Single Tank — Standard

10" × 54" · 48,000 grain · mixed bed

AT A GLANCE

System	Softener + carbon
Tank	10" × 54" mixed bed
Capacity	48,000 grains
Flow	28 GPM valve · 27 service
Best for	City water, up to 3 baths
Warranty	Lifetime tank & disc

One tank softens and filters every tap in the house. ResinTech CG10 softening resin and Jacobi catalytic coconut-shell carbon share a single mixed bed on a BluePeak ProValve ceramic disc valve — hardness, chlorine and chloramine handled together, in the footprint of one tank.

NSF/ANSI 42

NSF/ANSI 44

NSF/ANSI 61

WQA Gold Seal

Assembled in Texas

Lifetime tank warranty

KEY SPECIFICATIONS

Softening capacity	48,000 grains
Valve flow rate	28 GPM
Service flow rate	27 GPM
Media tank (D × H)	10" × 54"
Media volume	1.5 cu ft resin + carbon
Brine / salt tank	15" × 35" square
Connections	1" NPT elbows · 1.25" distributor tube
Bypass valve	1" full-flow, included
Best suited to	Up to 3 bathrooms
Shipping weight	125 lbs system · 17 lbs brine

OPERATING REQUIREMENTS

Operating pressure	30 – 125 PSI
Water temperature	40° – 110°F (4° – 43°C)
Electrical	120V / 60Hz — 12V 650mA transformer
Inlet turbidity	Under 5 FTU
Service flow	27 GPM at 15 PSI pressure drop
Backwash flow	3.0 gal/min
Regeneration	Upflow counter-current, demand-initiated metering

WHAT THE CATALYTIC CARBON REDUCES

- Chlorine and chloramines
- THMs & byproducts
- VOCs
- Pesticides and herbicides
- Hydrogen sulfide odor
- Taste and odor
- Hardness (via resin)

COMPONENTS, SOURCING & WARRANTY

Control valve	BluePeak ProValve — Hanksraft ceramic disc, assembled in Wisconsin, 72-hour memory backup
Mineral tank	Enpress fiberglass pressure tank — made in Ohio · NSF-certified polishing gravel support bed
Softening resin	ResinTech CG10 strong-acid cation, 10% crosslinked — New Jersey, WQA Gold Seal
Carbon media	Jacobi AquaSorb CX-MCA catalytic coconut-shell carbon — steam-activated, NSF/ANSI 61 & 42
Carbon grade	Catalytic (chloramine + H ₂ S); iodine ≥1,000 mg/g; 1,050 m ² /g surface area; 98% hardness
Assembly	Fort Worth, Texas
Certifications	NSF/ANSI 42, NSF/ANSI 44, NSF/ANSI 61
Warranty	Lifetime — tank, brine tank & ceramic disc · 5 years — valve body, board, resin & carbon · 1 year — labor
Installation	Included — by a licensed North Carolina plumber
Drinking water	Free reverse osmosis drinking system included, installed at the kitchen sink

BluePeak Water Filtration

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