



# ADVANCED WATER ENGINEERING, INC.

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## LOW FLOW CARTRIDGE BASED DI SYSTEMS

### SYSTEM OVERVIEW

The Hydra DI Series is a pre-assembled cartridge system that provides deionized water using a staged filtration process. Water purification is provided using a 3-step process. Stage (1) removes particles greater than 5 micron, chlorine, and organics. Stages (2 & 3) are mixed bed deionizers designed to remove all dissolved minerals. The Hydra DI series includes all cartridges and Resistivity light for a total turnkey system.

(Model 2520 shown)



A variety of options are available including remote dispensing gun, 0.05 micron hollow fiber UF filter, and combination high-purity/sub-micron cartridge. Reverse Osmosis pretreatment systems are also available.

The model HF-2520 takes three cartridges, usually our CT-10 followed up by two AFMBD10-2520 cartridges. This system has 5 micron filtration, dechlorination and organics removal and 1800 grains of Mixed Bed De-Ionization.

The Model HF-4520 takes three cartridges, usually our CT-10BB followed up by two AFMBD10-4520 cartridges. This system has 5 micron filtration, dechlorination and organics removal and 3200 grains of Mixed Bed De-Ionization

A 200k-ohm green/red water quality light is standard with higher water quality lights optional at no charge.

An optional 0-20 meg digital readout can also be added.

**Cartridges:**

SYSTEM	PREFILTER CARTRIDGE EACH	DEIONIZATION CARTRIDGE EACH	CASE SIZE		CASE PRICE	
			CT10	MBD10	CT10	MBD10
HF-2520	(CT10)	(MBD10-2520)	12	9		
HF-4520	(CT10BB)	(MBD10-4520)	6	4		

As an option, for low daily use systems, we can provide a matching MP series Reverse Osmosis System. This system is *almost* a necessity for lab grade water. It removes unwanted light organics and most bacteria and pathogens from the water. In addition, it removes as much as 98% of the dissolved solids in the water, thereby greatly lengthening the life of expensive cartridges. The cartridges should last at least 10x longer with this RO. It also includes a self-pressurizing reservoir tank. Larger sizes are available.

The Reverse Osmosis membrane life is typically 3 years but most last many more. Replacement cost is minimal. Replacement filter cartridges cost is minimal/set and will last 1-6 months, depending on real water use. Filters are sold in cases of 4 sets.

As an option, we can provide a 0.2-micron nominal post filter

Installation can be quoted upon site inspection visit.

Delivery: about 1 week from firm order.