

THE W.D. MANOR DIALYSIS BOX  
BY WHITEHALL



# A Safer Experience for Patient & Provider

ADVANCED INFECTION  
PREVENTION FOR DIALYSIS



## W.D. Manor

by Whitehall Manufacturing®

A modular, all-inclusive dialysis box system that increases patient safety, lowers facility liability, and saves installers time and money.



**W.D. Manor**  
by Whitehall Manufacturing®

## THE ALL-IN-ONE MODULAR DIALYSIS BOX

# A Safer Experience for Patient & Provider

Our all-in-one dialysis box system is designed for infection prevention.

### PREVENT CROSS-CONTAMINATION

Some local codes only require a single backflow prevention device for multiple water outlets, protecting the building but not the patients in event of cross-contamination.

### MINIMIZE LIABILITY

We integrate a reduced pressure backflow preventer into every dialysis box for superior infection prevention. This protects patients at their most vulnerable and minimizes liability for the facility.

### THE DIALYSIS BOX:

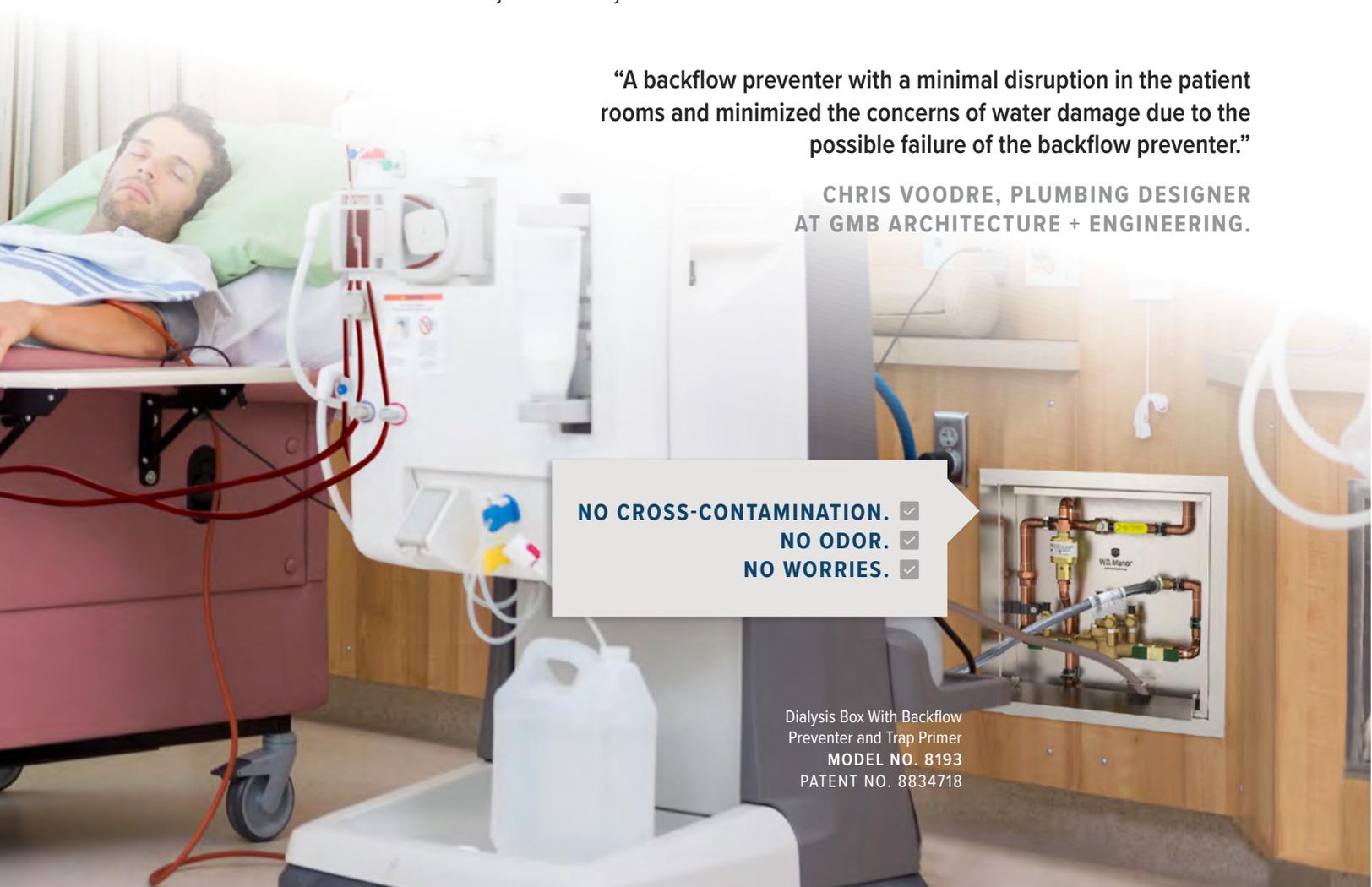
- Isolates systems on a patient-by-patient basis
- Eliminates the possibility of backflow and prevents cross-contamination
- Safely use any potable water source for dialysis
- Water is temperature-controlled for safety and to adjust for seasonal variations based on the dialysis machine's optimal requirements for water temperature

**“A backflow preventer with a minimal disruption in the patient rooms and minimized the concerns of water damage due to the possible failure of the backflow preventer.”**

**CHRIS VOODRE, PLUMBING DESIGNER  
AT GMB ARCHITECTURE + ENGINEERING.**

**NO CROSS-CONTAMINATION. ✓**  
**NO ODOR. ✓**  
**NO WORRIES. ✓**

Dialysis Box With Backflow  
Preventer and Trap Primer  
MODEL NO. 8193  
PATENT NO. 8834718



## IMPROVED RESULTS WITH

# Major Job Savings

Our self-contained dialysis box can reduce labor hours for installation by up to 64%, as well as reducing material cost, when compared to a traditional system design. This all adds up to major savings over the course of the job.

### THE MODULAR SYSTEM IS QUICK TO LEARN AND REPEAT:

- Arrives pre-plumbed for speedy connections
- Consolidates all the required components into one convenient and attractive recessed, self-contained, stainless steel box
- Eliminates need for designated room to house the backflow preventer
- Eliminates excess piping requirements
- Minimizes connections and opportunities for error in plumbing system

## Customization

We can customize your dialysis box system to reflect the needs of your facility.

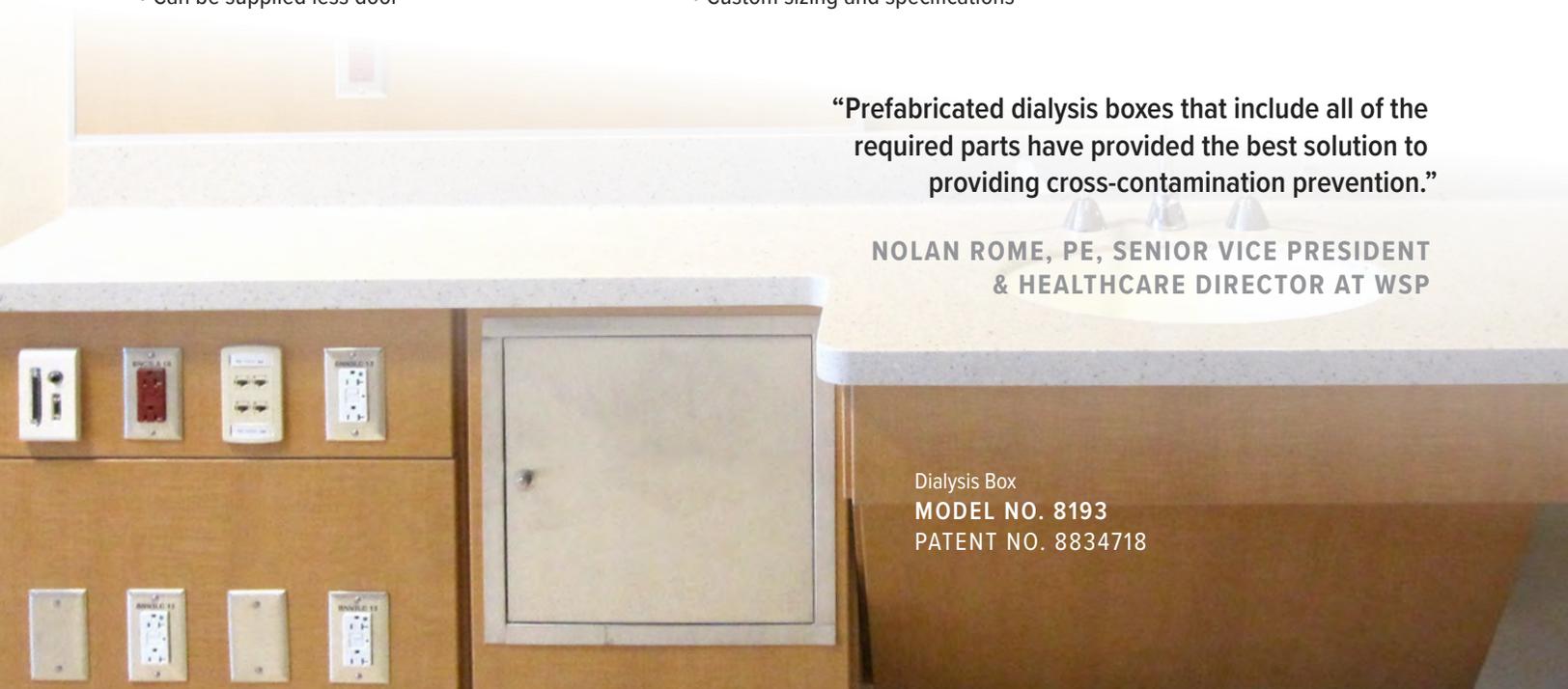
### COMMON CUSTOMIZATION OPTIONS INCLUDE:

- Back inlet for water entry instead of top inlet
- Can be supplied less door
- Quick disconnect supply fitting for dialysis machine
- Custom sizing and specifications

“Prefabricated dialysis boxes that include all of the required parts have provided the best solution to providing cross-contamination prevention.”

NOLAN ROME, PE, SENIOR VICE PRESIDENT  
& HEALTHCARE DIRECTOR AT WSP

Dialysis Box  
MODEL NO. 8193  
PATENT NO. 8834718





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# Save Time, Save Money, & Increase Safety with the All-In-One Modular Dialysis Box System

## COMPARISON OF TRADITIONAL SYSTEM VS. MODULAR SYSTEM CASE STUDY OF A 22-PATIENT BED FLOOR

### TRADITIONAL SYSTEM

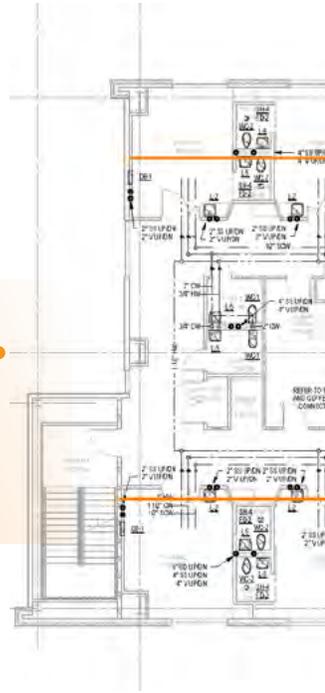
Expensive, time-consuming, greater contamination risk with traditional system.

**ESTIMATED TIME:** More than **840 labor hours**

**ESTIMATED COST:** More than **\$128,000**

#### TRADITIONAL DIALYSIS SYSTEMS CAN BE COSTLY IN MANY WAYS

- Remote location for backflow preventers
- Long dead-legs of water piping prior to backflow device in the event of back pressure
- Potential for bacteria growth in stagnate water lines
- A 22-patient bed floor can cost more than \$128,000 because of all the piping work



### MODULAR SYSTEM



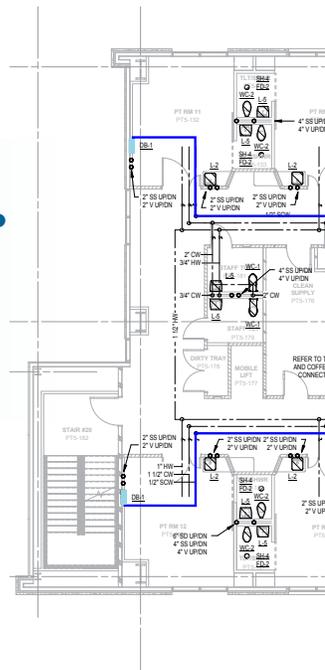
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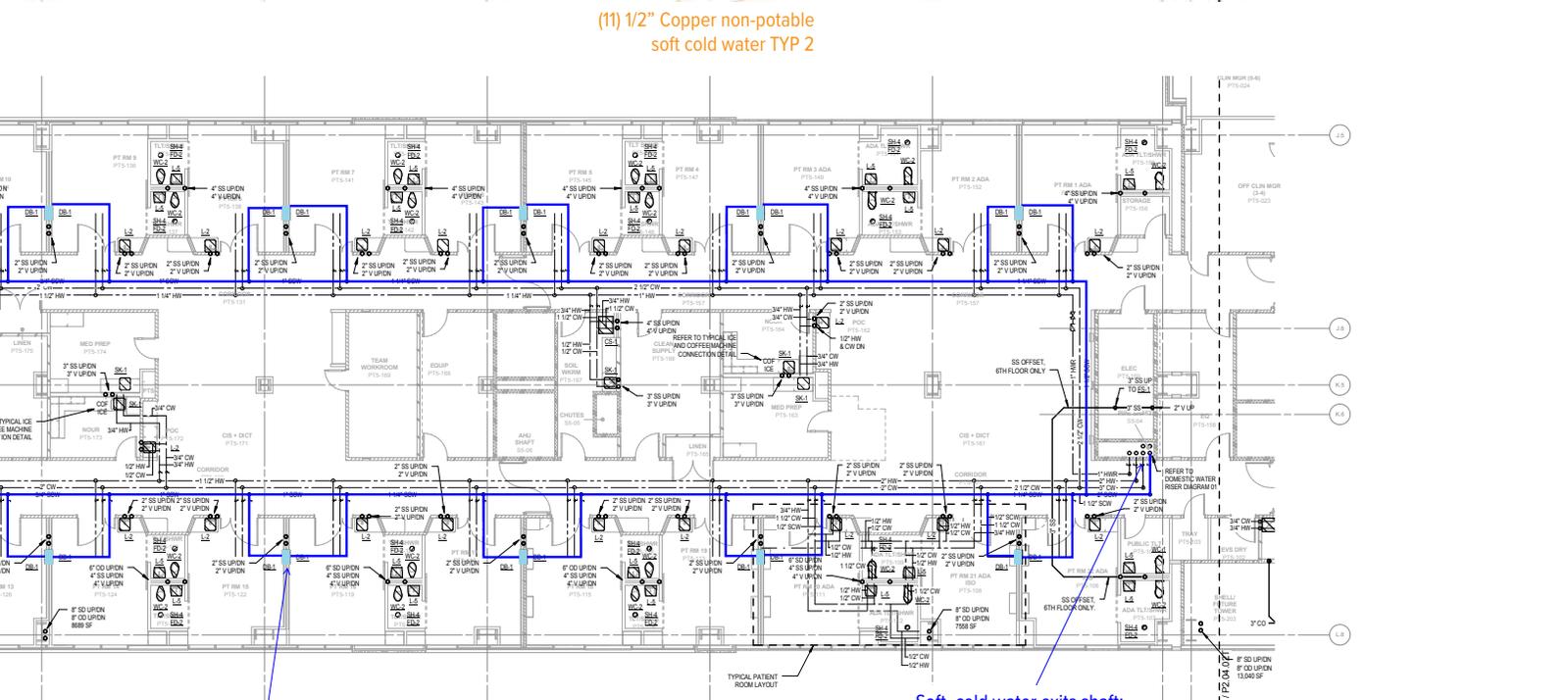
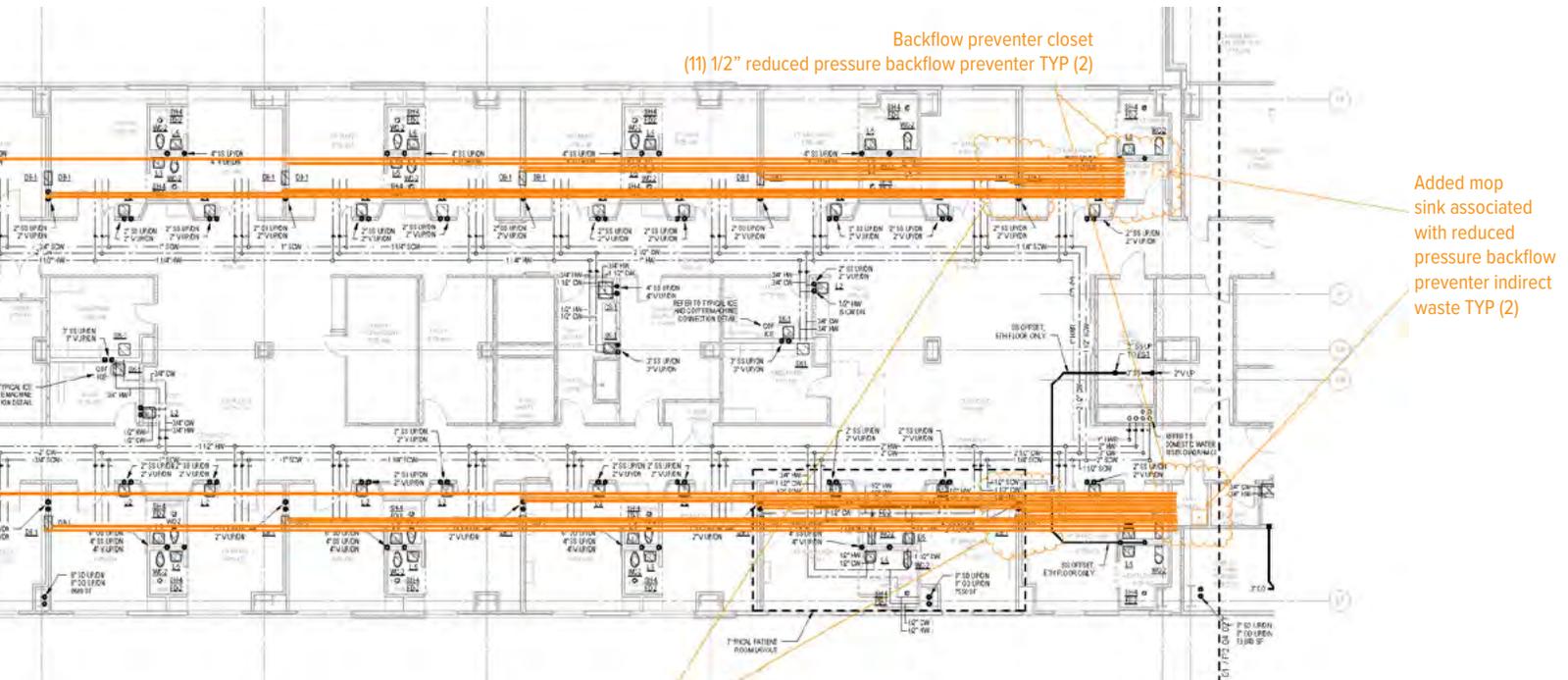
**ESTIMATED TIME:** 303 labor hours - a **64% savings!**

**ESTIMATED COST:** \$89,000 - a **30% savings!**

#### IN A MODULAR SYSTEM, BACKFLOW PREVENTERS ARE INSTALLED ON A PER-ROOM BASIS.

- The integrated backflow preventer prevents contamination spreading at point of use
- Patients are not linked to each other through water supply
- The facility's water supply is protected
- Substantially reduces plumbing hanger labor & material requirements
- Minimizes spacial needs & BIM coordination for distribution piping in cramp ceilings
- The same 22-patient bed floor has an estimated cost of just over \$89,000
- This represents a cost savings of greater than 30%





W.D. Manor by Whitehall dialysis box installed in wall.  
Domestic, soft, cold potable water serving the modular dialysis box system

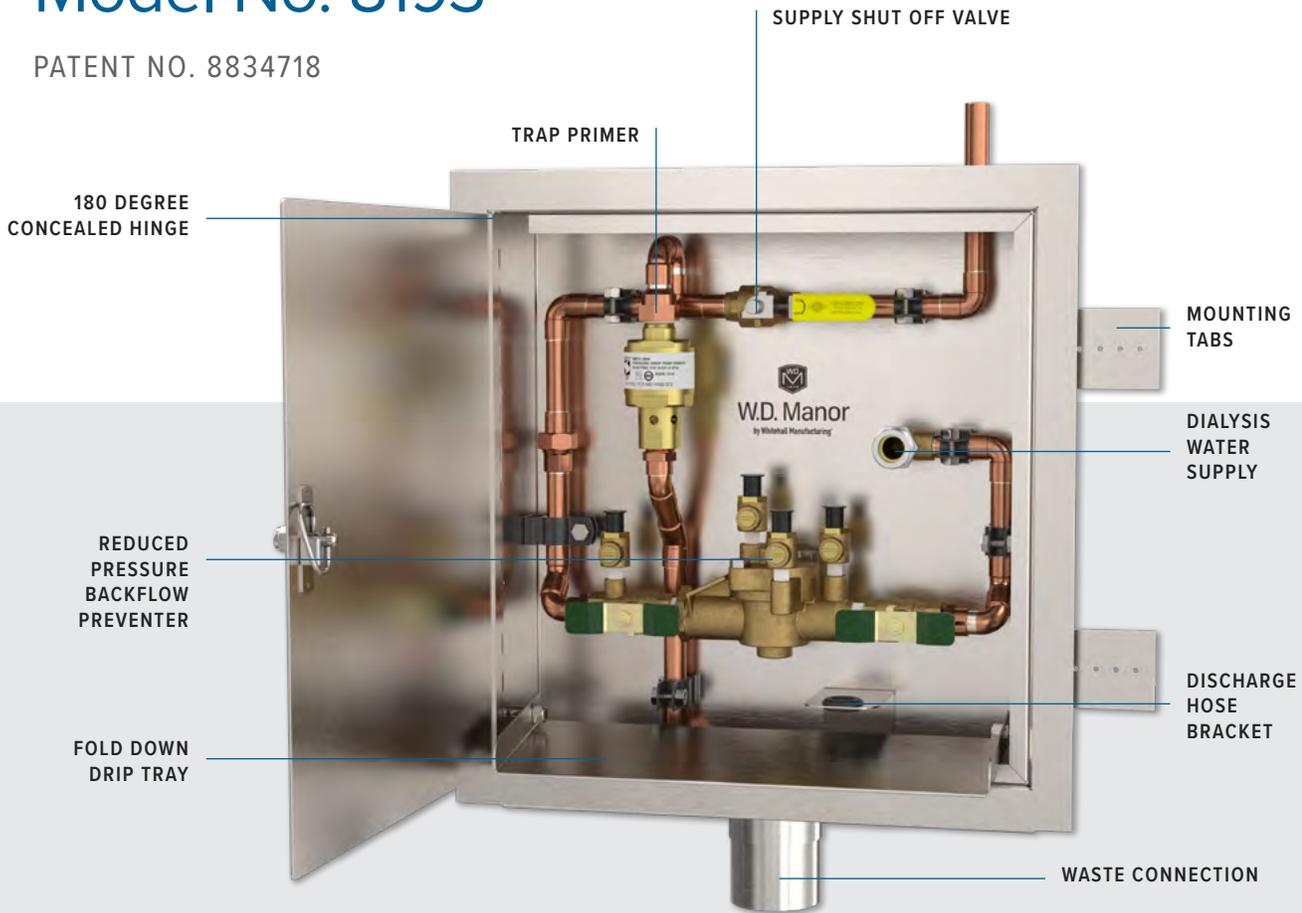


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# Dialysis Box with Backflow Preventer and Trap Primer

## Model No. 8193

PATENT NO. 8834718



### SUPPLY SHUT OFF VALVE

Valve typically open, only closed for service of trap primer or backflow device

### TRAP PRIMER

Drips water into the drain when the device senses pressure fluctuation. This keeps the P-trap wet to maintain the seal and eliminate sewer gas.

### BACKFLOW PREVENTION

Protects the “house system” upstream from any back siphon, back flow contamination event.

### FOLD DOWN DRIP TRAY:

Manually fold down tray to catch any spillage from the supply or discharge hoses from running down cabinet and wall.

### DIALYSIS SUPPLY

Potable water supply via male hose thread adapter

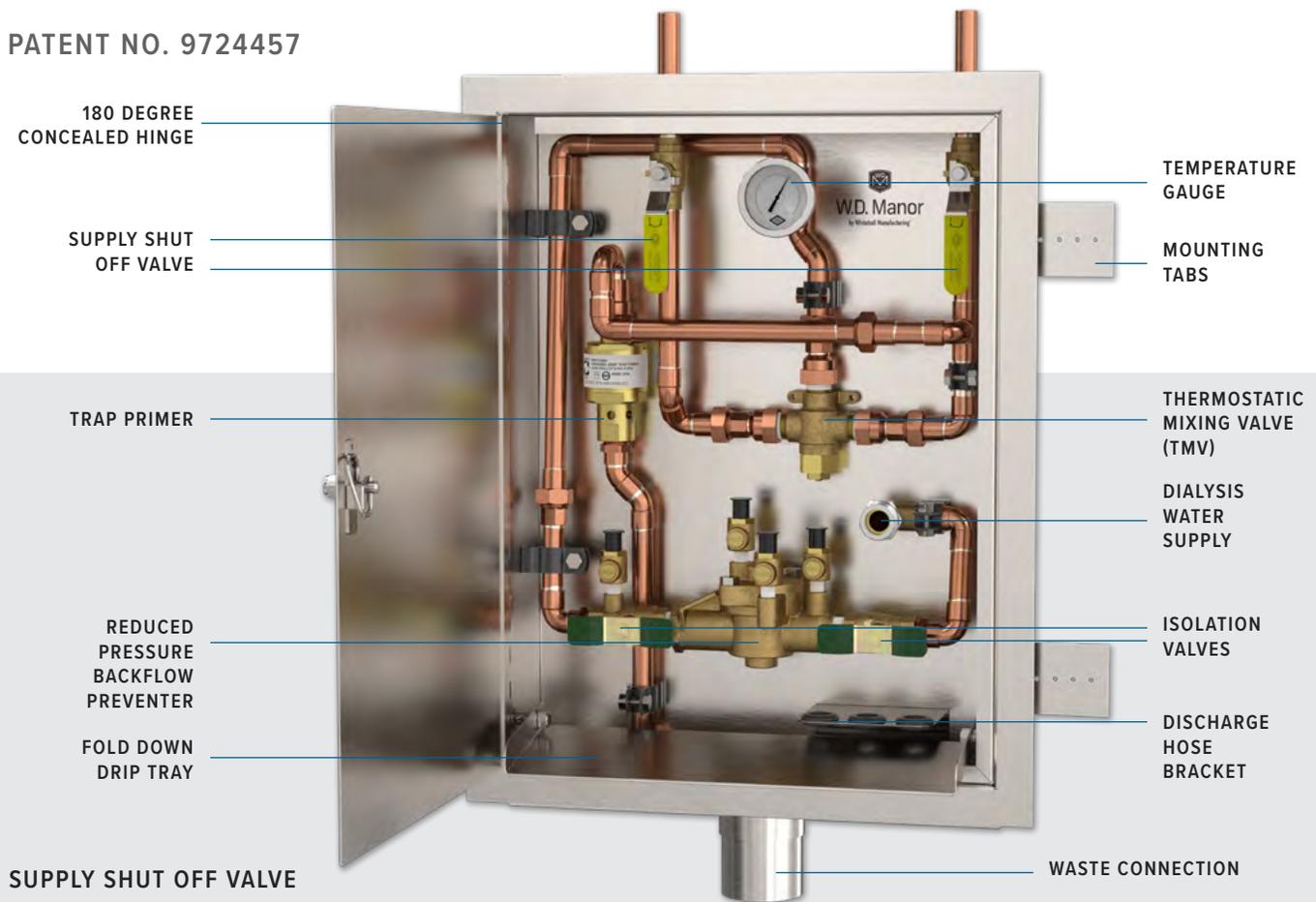
### WASTE CONNECTION

2” IPS Drain

# Dialysis Box with Backflow Preventer, Trap Primer, and Thermostatic Mixing Valve

## Model No. 8194

PATENT NO. 9724457



### SUPPLY SHUT OFF VALVE

Valve typically open, only closed for service of trap primer or backflow device

### TRAP PRIMER

Drips water into the drain when the device senses pressure fluctuation. This keeps the P-trap wet to maintain the seal and eliminate sewer gas.

### BACKFLOW PREVENTION

Protects the “house system” upstream from any back siphon, back flow contamination event.

### FOLD DOWN DRIP TRAY:

Manually fold down tray to catch any spillage from the supply or discharge hose from running down cabinet and wall.

### DIALYSIS SUPPLY

Potable water supply via male hose thread adapter

### WASTE CONNECTION

2” IPS Drain

### THERMOSTATIC MIXING VALVE (TMV)

Used to temper the hot and cold water to optimal temperature. Most dialysis machines require between 75-78° F water.

### TEMPERATURE GAUGE

Reads the current temperature of the dialysis supply water



**W.D. Manor**  
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## INNOVATIVE SPIRIT AND ENGINEERING FOUNDATION

“What sets us apart from competitors is our engineering and spirit. We have a ‘can-do’ spirit. If you ask us to do something, we will do it or figure out how to do it. That’s the part our customers like, that’s the part we like.”

- Don Morris, President and CEO



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