

A photograph of a clear glass pitcher pouring water into a tall, clear glass. The water is captured in motion, creating a dynamic splash and bubbles in the glass. The background is a soft, out-of-focus light blue and white. A large green diagonal shape is overlaid on the top left of the image.

# PENTAIR FRESHPOINT

## FILTRATION PLATFORM

UNDERSINK DRINKING  
WATER SYSTEMS

SOLUTIONS DESIGNED TO IMPROVE YOUR WATER

# HOW CONTAMINANTS GET INTO OUR WATER

Most of drinking water supplies in Europe are safe thanks to the efforts of municipal water works professionals. However, water can become contaminated during its journey from the treatment plant to home.



## IMPURITIES BY INDUSTRY

Chemicals dumped onto or pumped into the ground can easily get into our water supply. Those are for instance industrial waste sites, municipal landfills, ruptured underground gasoline storage tanks or agricultural pesticides.



## IMPURITIES BY ANIMAL WASTE

Pathogens, disease-causing bacterias and viruses associated with animal waste, can make water unsafe for human use. If those are found in the water, shellfish beds may be closed to harvest, beaches closed to swimming and drinking water supplies require expensive filtration or disinfection.



## IMPURITIES IN THE DISTRIBUTION SYSTEM

Lead and asbestos cement pipes, still prevalent in municipal water distribution systems, can allow harmful substances to leach into water.



## IMPURITIES IN THE HOME

Water can become contaminated right at home. Some older homes may still have lead pipes or plumbing systems that use lead-based solder to join copper pipes. Both can allow lead to leach into drinking water.

## FILTER SELECTION FOR CONTAMINANTS

### FRESHPOINT UNDERSINK DRINKING WATER SYSTEMS (INCLUDING FAUCET)

RANGE		F1000		F2000		F3000	
MODEL		F1000-DFB 1 stage filter basic	F1000-B1B 1 stage filter plus	F2000-B2B 2 stage filter	F2000-B2M 2 stage filter with timer*	F3000-B2B 3 stage filter	F3000-B2M 3 stage filter with timer*
BENEFITS		CTO	CTO, chemicals & cysts	CTO, chemicals including VOC's & cysts		High level of sediments, CTO, chemicals including VOC's & cysts	
Certifi- cations	NSF 42	•	•	•	•	•	•
	NSF 53		•	•	•	•	•
Contaminant reduction	Fine sediment	•	•	•	•	•	•
	Taste & odor	•	•	•	•	•	•
	Chlorine	•	•	•	•	•	•
	Lead		•	•	•	•	•
	Cyst		•	•	•	•	•
	Atrazine		•	•	•	•	•
	Lindane		•	•	•	•	•
	VOC's			•	•	•	•
	High turbidity water					•	•
	Timer included					•	•
Product information	Replacement cartridge	FDF1-RC	F1B1-RC	F2B1-RC & F2B2-RC	F2B1-RC & F2B2-RC	F1S5-RC, F2B1-RC & F2B2-RC	F1S5-RC, F2B1-RC & F2B2-RC
	Filtration technology	Diamond flow	Carbon block	Carbon block	Carbon block	Meltblown & carbon block	Meltblown & carbon block
	Temperature range (°C)			4,4 - 37,8			
Product specifications	Pressure range (bar)			2,75 - 6,89			
	Freshpoint filtration systems	2839 / 1890		2555 / 1700			
	Flow rate @ 4,1 bar (L/min)	2.83		2.27			

\*Timer supplied without battery



#### AESTHETIC ISSUES

Unwanted discoloration, tastes and odors, vary by tap and are influenced by personal preferences. For example, a slight chlorine taste might be preferred by some, while others wouldn't consider drinking it. Freshpoint filtration systems will take care of below aesthetic issues:

- **Chlorine / CTO (Chlorine Taste and Odor):** by far the most common aesthetic complaint. It is commonly used by municipalities to disinfect the water supply, often causing poor tasting and smelling water.
- **Fine sediment / high turbidity water:** suspended particles of dirt in water make water appear cloudy. These particles range from larger pieces to invisible particles that can make water hazy. Those can build up and eventually clog water-using appliances, such as ice makers, causing them to break down.



#### HEALTH ISSUES

The presence of contaminants in water can lead to adverse health effects. Freshpoint filtration systems are NSF certified to remove below contaminants, except model F1000-DFB:

- **Lead:** a heavy metal strongly regulated. Lead poisoning can cause neurological deficiencies and birth defects.
- **Cysts:** Giardia, Entameoba and Cryptosporidium are parasites that cause cramps, vomiting and diarrhea. Chlorine will not reliably kill these organisms as they are encased in a hard, protective shell. Cysts can cause infectious diseases such as typhoid fever or hepatitis.
- **Atrazine:** banned in the EU in 2004, it is still one of the most widely used herbicides in US and Australian agriculture. Studies suggest it can alter the hormonal system.
- **Lindane:** chemical element used as an agricultural insecticide. It can affect the nervous system, liver and kidneys, and may well be a carcinogen.
- **VOC's (Volatile Organic Compounds):** include components of gasoline, solvents and industrial cleansers which can cause illnesses including liver cancer and leukemia.

# FRESHPOINT DRINKING WATER SYSTEMS

## A FRESH TAKE ON FILTRATION

**HIGH POWER MAGNET MOUNTED COVER**

For ease of installation

**MAGNETIC CARTRIDGE TIMER\***  
Signals filter replacement

**UNIQUE MECHANICAL ASSIST DESIGN**  
Effortless click-in installation

**3/8" PUSH FIT CONNECTION**  
easy installation and high flow

**BUILT-IN CHECK VALVE SYSTEM**  
Providing multi-point backflow protection

**DOUBLE O-RING DESIGN**  
For optimal cartridge sealing

**COLOR CODED CARTRIDGES**  
Maintains proper filter sequence



**WATER SUPPLY VALVE**  
Shut off for ease of serviceability.  
Fits multiple piping styles



### EVERYTHING YOU NEED

Pentair Drinking Water Systems provide one, two, and three stage solutions to address your drinking water needs.



### TRUSTED TECHNOLOGY

For more than 40 years, Pentair has been the quality choice for water treatment. The Pentair Drinking Water Systems' unique encapsulated cartridge technology prevents contaminants from entering your water.



### LEAD REDUCTION

Safeguard your family from harmful contaminants like lead. All systems are NSF Certified to reduce lead except model F1000-DFB.

\*Timer supplied without battery

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