

WDR

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Product performance may vary based on local water conditions, proper specification & application, proper plumbing application, setup, installation, startup, maintenance and/or usage. In typical conditions media life expectancy is 5-7+ years.

Overall Filter dimensions are approximately 12" x 60"

Average Service Flow Rates:
1 to 4.5 GPM

Backwash Flow Rate: 6 GPM

Water pH Range: 6.5 to 9 (8 to 8.5 preferred)

Water ORP Range: Oxidation Reduction Potential (ORP) above -170 millivolts (mV). The addition of an oxidant (such as Hydrogen Peroxide - H₂O₂), even when ORP exceeds -170 mV, will enhance the contaminant reduction capability of the media

Peak Media Efficiency Flow Rate:
6 GPM (water will flow through unit above 6 GPM, but media filtration is most efficient up to 6 GPM)

Contaminant Removal Capability:

Iron 30 ppm, Manganese 15 ppm,
Hydrogen Sulfide 10 ppm

The standard water line in and out connections are 3/4", NPT, Plastic.

The pipe size for a residential drain line should be a minimum of 1/2" (13 mm).

The unit should be located close to a drain to prevent air breaks and back flow.

An uninterrupted alternating current (120 VAC) supply is required. The control uses a transformer to supply 12 VDC. Please make sure your voltage supply is compatible with your unit before installation.

Water Temperature Range:
minimum 40°F, maximum 80°F

Water Pressure: Point of Entry (POE):
minimum 40 psi, maximum 75 psi

Water Flow Rates:
water must be supplied to unit at a minimum of 1 GPM

Follow all applicable local plumbing codes.

Do not allow unit to freeze or install in location where freezing occurs.

Designed for private well water primary use. Private wells should be tested and system designed for contaminants found.

Pentair Fleck 5800 Series Control Head is Standard



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INTERNAL SYSTEM MATERIALS AND CERTIFICATIONS

While no federal regulations exist for residential water treatment devices, several voluntary national standards establish minimum requirements for the safety and performance of products used to treat home drinking water. These standards are generally divided according to the product's technology. The numbers assigned to each standard reflect the order in which the standards were developed.

NSF/ANSI STANDARD 61

If you manufacture, sell or distribute water treatment or distribution products in North America, your products are required to comply with NSF/ANSI Standard 61: Drinking Water System Components – Health Effects by most governmental agencies that regulate drinking water supplies. Developed by a team of scientists, industry experts and key industry stakeholders, NSF/ANSI 61 sets health effects criteria for many water system components including:

- Protective barrier materials (cements, paints, coatings)
- Joining and sealing materials (gaskets, adhesives, lubricants)
- Mechanical devices (water meters, valves, filters)
- Pipes and related products (pipe, hose, fittings)
- Plumbing devices (faucets, drinking fountains)
- Process media (filter media, ion exchange resins)
- Non-metallic potable water materials

Certified Materials Used in the WDR Backwashing Systems. Descriptions as follows:

SRI SUPREME GRAVEL PACK #6

Provides base and protection for bottom distributor in filter

KATALOX LIGHT MEDIA

Katalox-Light® is a revolutionary hybrid NSF/ANSI 61 certified media designed for the reduction of iron, manganese and hydrogen sulfide. This zeolite media combines natural clinoptilolite with a 10% coating/impregnation of manganese dioxide. This particular combination provides for tremendous contaminant reduction while requiring far less back wash water than many competing products. Katalox-Light® acts as a catalyst by accelerating the needed chemical reactions without being consumed or chemically changed by the reactions. The unique structure of the media allows for suspended solids reduction to about 3-5 microns nominal, while providing low pressure loss, high service flow rates and extended contaminant reduction capacity. In typical conditions, Katalox-Light® media life expectancy is 5-7+ years.

OPTIONS/ UPGRADES

Fully Welded Stainless Steel Jacket - completely covers fiberglass tank.

Regenerant Chemical Tank 18" x 32" x 32" Gallon Round Poly Natural with 3/8 Pick Up Screen – required if using liquid oxidizer such as Hydrogen Peroxide

Neutra Sul Oxidizer 2.5 Gallon - Hydrogen Peroxide that assists with the process of contaminant removal.

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