

# PURITAN®

*The Confidence Cartridge™*

## Large Format Cartridges



PURITAN offers a range of large format filters to meet your needs with superior design, materials and construction that deliver better value.

An important success factor for any cleaning business is the ability to consistently satisfy customers by returning garments that look as fresh and clean as new. Good filtration is essential to achieving that objective and avoiding the negative effects of graying and redeposition of soil that can lead to unhappy customers. That's why **PURITAN** filter cartridges are designed and constructed to trap and hold substantially more insoluble soil than competing brands.

Differences in cleaning machine configurations, cleaning processes, solvents, and the work processed means that there are differing requirements for contaminant removal from one cleaning system to another. So whatever your requirements, there is a **PURITAN** model especially designed to meet your needs.

### *The PURITAN Difference*

- **PURITAN** large format cartridges provide up to one third more usable surface area than other brands. With more premium filter paper and precise, deep pleating, **PURITAN's** extra surface area provides more effective and efficient insoluble soil removal.
- For superior removal of dye and other color impurities, only the best activated carbon granules are used. The core is vibratic packed to full capacity to ensure no settling occurs.
- In the **PURITAN Adsorptive** model, activated clay supplements the activated carbon in a uniform blend that ensures consistent removal of contaminants.
- The unique two-handle design does not puncture the filter shell, avoiding the soil bypass that occurs in other brands, and making for easier handling during filter changes.
- The paper ends are sealed in a bed of adhesive and bonded to the endplates while the side seam consists of a full pleat overlap that is interlocked and sealed with adhesive to prevent soil bypass and ensure structural integrity.
- Every case of **PURITAN** large format cartridges includes new felt gaskets to ensure proper sealing.

### *PURITAN Large Format Products*

#### *• LF-Balanced Filter Life & Dye Control for Most Systems*

The **LF** is the standard large format model filter cartridge. It features a core of activated carbon that is sized to balance the dirt-holding capacity of the filter paper to the dye removal capacity of the carbon core, in a ratio that is right for most systems using distillation to help remove solvent soluble contaminants.

#### *• Dye Eater-For Maximum Control of Dye Contaminants*

The premium **Dye Eater** model features the same capacity for insoluble soils as the **LF** model, but uses a much larger core of activated carbon for extra dye removal capability and longer life.

#### *• Adsorptive-For Oily Contaminant Control in Systems Without Distillation*

The **Adsorptive** model uses a core with two adsorptive materials. Activated clay is uniformly blended with activated carbon to provide some removal of oily contaminants in systems that lack distillation capability.

#### *• All Clay-For Oily Contaminant & Moisture Control in Systems Where Carbon is Not Desired*

The **All-Clay** model uses a core with 100% activated clay for removal of oily contaminants and unwanted moisture in systems that lack distillation capability.



## Instructions for maintaining solvent quality with PURITAN® Large Format Cartridges

### When to Change PURITAN Large Format Cartridges

Solvent flow rate is the best method for determining when to change cartridges. Replace cartridges when fill time through the filter exceeds 1.5 minutes to reach working level.

Unfortunately, many machines fill to working level directly from the tank to the wheel, bypassing the filter. In order to accurately check fill time throughout the life of the cartridges, the machine must be reprogrammed to fill to level through the filter. Filling in this manner also eliminates the risk of allowing any contaminants that may be in the base tank to be deposited on the garments in the wheel.

If reprogramming is not possible, then change cartridges either when the pressure exceeds 20 psi or when solvent color cannot be maintained to an acceptable level.

### How to Change Spent PURITAN Cartridges

1. Follow filter system manufacturer's instructions for solvent recovery process from spent cartridges. Allow cartridges to drain at least 24 hours. *CAUTION: Check solvent storage capacity of your drycleaning system before draining filters.*
2. Before removing cartridges from their housings, consult solvent Safety Data Sheet for safe handling information.
3. Remove used cartridges and felt gaskets from housing or solvent recovery unit without spilling or dripping solvent. Handle in accordance with all federal, state and local regulations governing disposal of hazardous waste.\*
4. Install new **PURITAN Large Format Cartridges** according to detailed instructions enclosed with the felt gaskets. *IMPORTANT! Read gasket instructions before installing cartridges. Be sure that all felt gaskets are in place to prevent soil bypass and all housing gaskets are properly fitted to ensure effective filtration.*
5. Reinstall cover(s) and check all valves for proper setting. Close all drain valves and air vents.
6. Fill filter and circulate, bleeding air vent lines until filter is liquid full.
7. Circulate solvent through the filter for twenty minutes or until sight glass clears, whichever occurs last. When using the **PURITAN Adsorptive Cartridge**, it is important not to add detergent to the system until after this step, in order to achieve maximum filter effectiveness.
8. Clean 2-3 dark loads before cleaning a light or white load.

### How to Obtain Maximum Cartridge Life

1. Follow filter manufacturer's operating instructions.
2. Do not exceed an operating pressure of 20 psi as cartridges can be damaged by pressures over 20 psi.
3. If cartridges are changed based on lbs. cleaned, change when approximately 1,250 lbs (570 kg) have been cleaned per split cartridge.
4. Maintain solvent temperature between 70°F and 90°F (20°C and 32°C).
5. Vent the air from all filter housings daily. (Cover air bleed vent with rag while slightly opening to prevent spilling or dripping of solvent while venting air. Vent until solvent starts to drip from air bleed vent, then close vent tightly and dryclean rag.)

### Use of Detergent or Additives

**Charge System:** To maintain a 1.3% detergent charge, add 17 oz. detergent per 10 gallons (or 130 mL per 10 L) of new, distilled, or reclaimed solvent added to work system. If **PURITAN Adsorptive Cartridges** are installed, add an additional 4 oz (120 mL) of detergent per new cartridge.

**Load Process System:** To condition the solvent, add 1 oz of detergent per 10 gallons (or 8 mL per 10 L) of new, distilled, or reclaimed solvent added to work system. If **PURITAN Adsorptive Cartridges** are installed, add an additional 4 oz (120 mL) of detergent per new cartridge.

### How to Order PURITAN Large Format Cartridges

**PURITAN Large Format Cartridges** and gaskets are sold by authorized Street's distributors everywhere. Order **PURITAN** cartridges in cases of four.

*For professional drycleaning use only.*

*\*Spent cartridges containing solvents classified as hazardous should be handled as hazardous waste and disposed of in accordance with applicable national, state and local regulations governing waste disposal.*



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