

Cleaning Performance

Product / Procedures

Fabritec detergents are constantly undergoing scrutiny and re-evaluation as dictated by Fabritec's commitment to be the best. Laboratory and field testing techniques, perfected by Fabritec Research, can detect even small changes in cleaning performance. No matter how good the detergent is, however, it alone cannot accomplish the desired results. The proper parameters must be present throughout the process for optimum cleaning performance. These parameters have been identified and perfected over the years and should be observed as closely as the available equipment will allow. They are reviewed as follows for a perchloroethylene system:

- | | |
|------------------------------|--|
| 1) Machine loading | 3 to 4 lbs. per cu. ft. cylinder volume or approximately 80% of the rated capacity. |
| 2) Classifications | Light and Dark Regular Light and Dark Fragiles Household. |
| 3) Solvent level | 3/4 gal. per pound of garments
1/2 gal. per pound Minimum |
| 4) Solvent temperature | 75° - 85°F |
| 5) Running time | Regular loads: Single bath - 15 minutes, Two bath - first bath - 3 minutes, second bath - 8 minutes Small fragile loads 5-10 minutes |
| 6) Solvent flow | Sufficient to fill the wheel to operating level in 60 - 90 seconds |
| 7) Cleaning program | As recommended by your Fabritec Area Manager to produce optimum efficiency from your cleaning unit. |
| 8) Detergent concentration - | 1/5 oz. per lb. injected each load. |
| 9) Distillation | Minimum of 16 gal. distilled per 100 lbs. Solvent NVR should run between 0.5 - 1.0% |
| 10) Filtration | Fabritec systems may be run with any type of filtration or with no filtration if proper procedures are followed. |
| 11) Extraction | Intermediate extract 1 minute
Final extract 1 1/2 - 2 1/2 minutes |
| 12) Drying temperature | 140°F regular loads
120°F fragile loads |
| 13) Drying time | Use a drying sensor or match drying time to the load to prevent overdrying. |
| 14) Deodorization | Sufficient to reduce the garment temperature to 100°F or lower. Garments should be hung immediately after removal from the dryer. |

Maintenance also plays an important part in the cleaning process.

When the Fabritec process is operating on or near procedure, it will produce superior soil removal, bright clear colors and whites, a soft pleasing feel and no offensive odors. Occasionally, however, a problem will crop up. This indicates that some factor in the process has changed. It could be a mechanical glitch, a factor beyond your control or an operator who had a better idea. All parameters should be checked, but here is a short list of some problems and frequent causes to help speed up the solution:

1) POOR SOIL REMOVAL, too many sweet spots

- a) detergent injection low
- b) overloading
- c) cold solvent
- d) short cleaning cycle - is proper program being run?

2) DULL COLORS, greying of whites

- a) classification -
- b) low level
- c) low distillation, poor solvent color
- d) poor solvent flow

3) FOREIGN ODOR

- a) improper distillation
- b) dirty separator

4) STATIC AND LINT

- a) change in weather, low temperature and humidity
- b) classification overloading low solvent level
- c) overloading
- d) low solvent level
- e) over extract, over drying
- f) high drying temperature
- g) low detergent concentration
- h) machine not grounded

5) HARSH FEEL - STICKY ZIPPER

- a) low detergent concentration
- b) over extract - over dry
- c) drying temperature too high
- d) hot solvent

6) WRINKLING

- a) excess moisture (Fabritec solvent system typically runs at 0.005 - 0.03% moisture).
- b) over extract
- c) high drying temperature
- d) load not hung following drying

7) SHRINKAGE

- a) low solvent level
- b) high drying temperature
- c) moisture - check system for leaks
- d) hot solvent

We hope this review of the basics and guide will be a friendly reminder to check all phases of your process on a regular basis. Please call our technical service, 1-800-543-0406 if any questions should arise.

The logo for Fabritec Brand Detergent features the word "Fabritec" in a large, stylized, blue font with a white outline and a registered trademark symbol (®) to its upper right. Below it, the words "Brand Detergent" are written in a smaller, blue, sans-serif font. The entire logo is set against a light blue, oval-shaped background with a gradient effect.