

After one year ...

Installing New 1-Gallon Pressure-Assist Toilets Saves up to 564,496 Gallons of Water* at Homewood Suites® in Landsdale, PA

“There were two attractive factors about these new St. Thomas 1-gallon per flush (gpf) pressure-assist toilets equipped with Sloan *FLUSHMATE IV*: their promise of performance and water savings,” says Doug McBrearty, owner of Homewood Suites® in Landsdale, PA. “And now after having them installed in the Homewood Suites for the past year, those claims have proven to be true.”

“When we first evaluated the St. Thomas Creations 1.0-gpf model, we were so pleased with the results, we’ve not only put 170 of them in the Homewood Suites in Landsdale, but I’ve put two in my own home, one in my office, and my partner has one in his home. After having them installed in our hotel for over a year now, I’ll never buy anything but these. Water conservation is up and maintenance is down – both of these factors have exceeded planned results.”

“The key to a good toilet in ANY business is not to have anyone acknowledge it one way or another,” says McBrearty. “But in the hotel business, it’s a critical factor. With our old toilets, our guests regularly acknowledged them – when they backed up. That’s an expensive problem.”

The 170-room Landsdale Homewood Suites by Hilton is located between two historic towns of Landsdale and North Wales. Offering warm, spacious one and two-bedroom suites and home-like services, the hotel accommodates both business and personal travel schedules.

The St. Thomas pressure-assist toilets that were installed in the rooms utilize pressure from existing water supply instead of gravity to clear waste from the bowl. Known as High



Efficiency Toilets (HETs) because they use at least 33% less water than standard 1.6 gpf toilets, these

toilets eliminate double flushing, have minimal turns in the trapway, and assure free flow of waste, thus eliminating clogs.

“One of the main reasons I started looking at 1.0-gpf pressure-assist toilet was the Equivalent Dwelling Unit (EDU) factors,” McBrearty points out. “EDU is used by our water authority to determine what your usage is, and your estimated EDU determines what your fees will be: at \$4,000 per EDU, you pay attention. Besides, these fees are getting more expensive as time goes by and water becomes more scarce.”

McBrearty says that going to the 1.0-gpf model reduced his EDUs and made estimating them much more accurate. “The trick is not to buy more than you need because you don’t

get them back,” he explains. “*FLUSHMATE*-equipped toilets save us water and keep our EDU estimates on target.”

Figure 1 shows original calculations for a 146-room hotel, based upon historical use of Gulph Creek Hotels. Figure 2 shows projected EDU calculations based upon 170 rooms with the low-flow pressure-assist devices. Figure 3 shows actual water usage, which identifies a 25% reduction in EDUs.

McBrearty adds, “The hotel has been open a year now, using three-quarters of the allotted EDUs while room occupancy is holding steady. Most telling is the water consumption per room – which has dropped drastically. To say the least, I’m sold!”

For more information on 1.0 or 1.6-gpf pressure-assist toilets, contact: Sloan *FLUSHMATE*, 800-875-9116, or visit www.flushmate.com.

Figure 1. Original calculations based on historical use of 1.6-gallon per flush toilets in 146 rooms at Gulph Creek Hotels

EDUs @ 95 gallons required

| room nights | gallons/rooms | gallons/year | gallons/day | gallon/EDU | #EDUs |
|-------------|---------------|--------------|-------------|------------|-------|
| 37,303 | 95 | 3,543,785 | 9,709 | 250 | 39 |
| 38,369 | 95 | 3,645,036 | 9,986 | 250 | 40 |

Figure 2. Original Projections: Year 1 after installation of St. Thomas Creations 1.0-gallon *FLUSHMATE*-equipped toilets for expansion to a 170 room hotel, based upon historical use of Gulph Creek Hotels

EDUs @ 86 gallons

| room nights | gallons/rooms | gallons/year | gallons/day | gallon/EDU | #EDUs |
|-------------|---------------|--------------|-------------|------------|-------|
| 42,815 | 86 | 3,682,047 | 10,088 | 250 | 40 |

Figure 3. Actual Water Consumption: Year 1 after installation of St. Thomas Creations 1.0-gallon toilets based on occupancy in 2002

EDUs @ 79 gallons

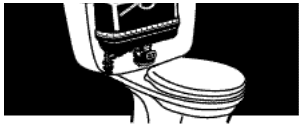
| room nights | gallons/rooms | gallons/year | gallons/day | gallon/EDU | #EDUs |
|-------------|---------------|--------------|-------------|------------|-------|
| 35,281 | 79 | 2,787,375 | 7,554 | 250 | 30 |



ISO 9001 Quality System Certified



* Based on first year occupancy rate



FLUSHMATE®

A Division of Sloan Valve Company
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800-875-9116
<http://www.flushmate.com>

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**Inside:
How 1.0-GPF Pressure-Assist
Technology Saved 16 Gallons
of Water per Occupied Room
LEED® Applicable!**

TECHNICAL UPDATE ENCLOSED

Sloan **FLUSHMATE®** Division
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Franklin Park, IL 60131
Fax: 800-447-8329

HOW YOU CAN LEARN MORE

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- | | | | |
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PLEASE SEND ME INFORMATION ON THE VARIOUS MODELS EQUIPPED WITH FLUSHMATE IV, 4LPF SYSTEM:

- American Standard (PR China) - Houston Capizzi - Turbo Capizzi Mancesa - EcoSaver St. Thomas - Mariner™ II

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Form 5.1