

CO₂ EFFICIENT™
Endoscopic Insufflator

CO₂
Easy for you...
easier on
your patients.



Colonoscopy

EGD

ERCP

Enteroscopy

EUS



An essential component for comfortable GI Endoscopy

Ideal for Long Endoscopic Procedures

The use of CO₂ insufflation can make long endoscopic exams such as ERCP, Enteroscopy and Colonoscopy more comfortable after the procedure has ended. Until now, these procedures were performed using standard room air from the light source, or with CO₂ in conjunction with cumbersome external regulators, flow meters and specialized valves.

Smart Design

CO₂EFFICIENT Endoscopic Insufflator eliminates the need for cumbersome attachments. Its attractive, compact design can easily be added to your existing endoscopy cart.

CO₂EFFICIENT's proprietary "intelligent" software senses when CO₂ is not required by the clinician and reduces its flow. This allows a facility to use their standard Air/Water valves eliminating the use of specialized CO₂ valves.

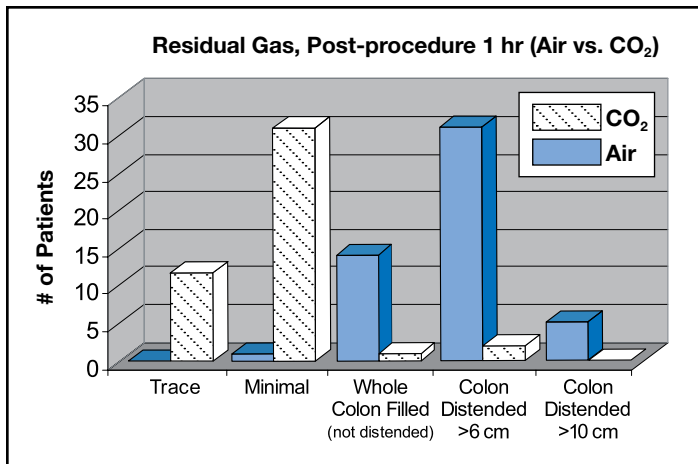
Efficiency

- May quicken patient recovery times.
- Flow mode switch automatically allows optimal flow rate.
- Conserves gas when using Managed Flow Mode*.
- Less time spent suctioning room air.
- Eliminates the need for specialized CO₂ valves.

CO₂ insufflation "significantly improves intubation depth and patient discomfort during DBE." CO₂ insufflation "may lead to a higher diagnostic and therapeutic yield of DBE...".¹

Domagk D, Bretthauer M, et al. UEGW Annual Meeting 2007.





A recent study on minimizing post-colonoscopy abdominal pain showed that 1 hour after colonoscopy, a majority of patients insufflated with room air had significant residual gas. The study showed that 94% of patients insufflated with carbon dioxide had only trace to minimal residual gas.²

Comfort and Safety

- CO₂ is absorbed 150 times faster than the nitrogen in air, and promptly eliminated via the lungs.³
- Patients are not subjected to extended discomfort from bloating, cramping and the embarrassment associated with eliminating room air.
- Helps ensure patient safety through redundant pressure relief valves and automatic flow-stop features which protect against over-insufflation.

*CO₂ insufflation during ERCP “significantly reduces postprocedural abdominal pain” and CO₂ should be the “standard gas used”.*⁴

Bretthauer M, Selp B, et al. *Endoscopy* 2007.

*CO₂ insufflation “reduces pain and is safe to use in colonoscopy in sedated patients”.*⁵

Bretthauer M, Lyng AB, et al. *Endoscopy* 2005.

References:

1. Domagk D, Bretthauer M, et al. Carbon dioxide insufflation improves small bowel intubation depth during double balloon enteroscopy – A double-blind randomized controlled trial. Paper presented at UEGW Annual Meeting 2007.
2. Sumanac K, et al. Minimizing post-colonoscopy abdominal pain by using CO₂ insufflation. *Gastrointestinal Endoscopy* 2002; 56(2):190-194.
3. Grant DS, Bartram CI. A preliminary study of the possible benefits of using carbon dioxide insufflation during double-contrast barium enema. *The British Journal of Radiology* 1986; 59:190-191.
4. Bretthauer M, Selp B, et al. Carbon dioxide insufflation for more comfortable endoscopic retrograde cholangiopancreatography: A randomized, controlled, double-blind trial. *Endoscopy* 2007; 39:58-64.
5. Bretthauer M, Lyng AB, et al. Carbon dioxide insufflation in colonoscopy: Safe and effective in sedated patients. *Endoscopy* 2005; 37:706-709.

CO₂EFFICIENT Endoscopic Insufflator € 0086

- Over-pressure alarm and safety shutdown features help assure patient safety.
- No special utilities required: CO₂EFFICIENT uses standard medical grade (USP) “D” or “E” size carbon dioxide cylinders and CO₂ water bottle.**
- CO₂ display records the total volume delivered during the procedure and alerts the operator when the CO₂ cylinder is low.

CO₂EFFICIENT Tubing Set € 0086

- Simple connection and removal from CO₂EFFICIENT Insufflator.
- Hydrophobic filter design helps protect against cross-contamination.

System Rolling Cart € 0086

- Features storage for two CO₂ cylinders and numerous tubing sets.
- Great for moving from room to room.
- Storage for spare tubing sets, water bottles, etc.

“E” Sized Cylinder Tank Cage

- Mounts to most endoscopy carts for easy transport/storage.
- Swivel mount for easy tank exchange.



CO₂EFFICIENT Endoscopic Insufflator (Cat. No. 6600)



CO₂EFFICIENT Tubing Set (Cat. No. 6601)



System Rolling Cart (Cat. No. 6405)



“E” Sized Cylinder Tank Cage (Cat. No. 6603)

Cat. No.	Description
CO₂EFFICIENT Endoscopic Insufflator and Accessories	
6600	Insufflator
6601	Insufflator Tubing Set
6405	System Rolling Cart
6603	Cylinder Tank Cage

***Note: This product requires the use of “CO₂” water bottles. Please contact your endoscope manufacturer for pricing and availability prior to arranging for a product demonstration or installation.*

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