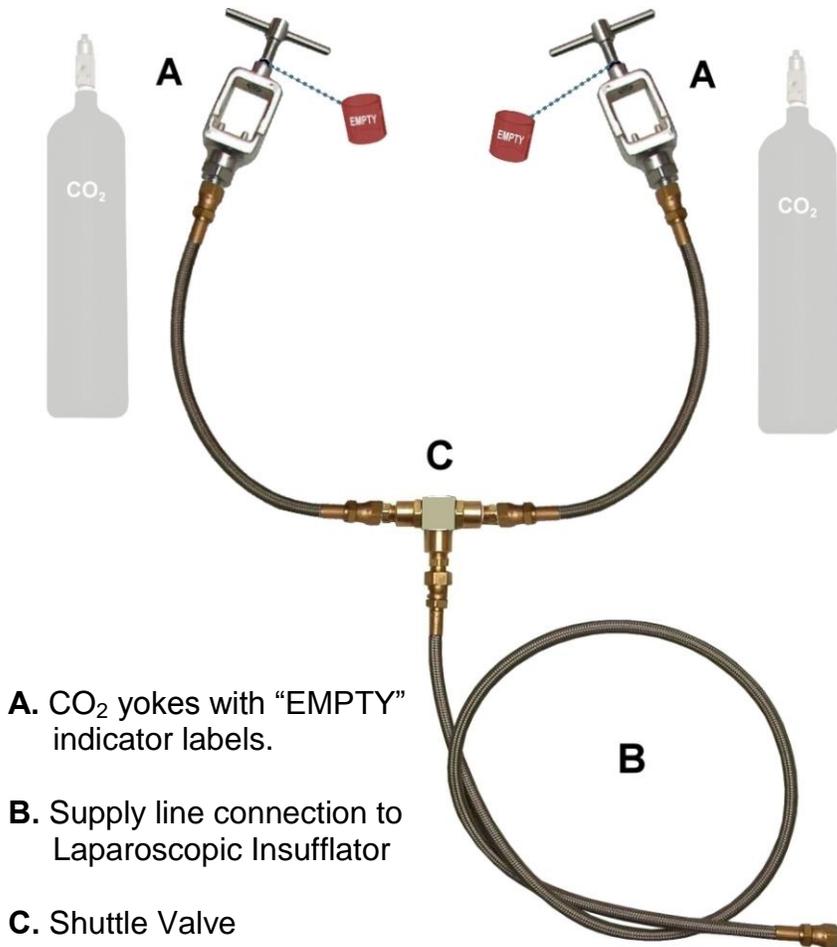


Shuttle Valve System

for Laparoscopic Insufflation CO₂ Gas
Catalog # 7-510-50



- A. CO₂ yokes with “EMPTY” indicator labels.
- B. Supply line connection to Laparoscopic Insufflator
- C. Shuttle Valve

Caution: Be sure to inspect this product for loose or cracked connections, compromised threads or fraying to the braided covering before each use. When pressurized, listen for audible gas leakage. Discontinue usage if any of the described conditions are noted.

Warning: This product is not compatible with and should not be used within a magnetic field designed for medical diagnostic purposes such as Magnetic Resonance Imaging systems.

Warning: Do not use this product with gases other than medical grade CO₂ used for laparoscopic surgical procedures.

Warning: Prior to use, please read the entire product insert.

Warning: Use a .2 micron filtered tubing set connected to the output port of the laparoscopic insufflator when using the shuttle valve system to stop the possible transfer of particulate matter reaching the patient.

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NOTICE: These devices should be operated only by or under the direct supervision of a physician experienced in the proper techniques associated with the use of a laparoscopic insufflation device and the associated accessories.

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Product Features:

The shuttle valve, high pressure hose and yoke system was designed to be used with laparoscopic insufflators to reduce the likelihood of running out of insufflation gas (“NO GAS” Condition) during a laparoscopic surgical procedure.

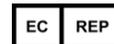
Instructions for use:

1. Connect the main supply line “B” to the gas inlet port of the laparoscopic insufflator. Insure that all connections are tight.
2. Connect the CO₂ yokes to the CO₂ cylinders. 2 cylinders should be connected. Insure that all connections are tight. Be sure that each yoke contains a washer to avoid leakage during use.
3. To optimize usage of the shuttle valve product, turn only one cylinder on at a time using the wrench supplied by the gas supply company. When this cylinder becomes empty, place the “EMPTY” Label over the upright valve portion of the CO₂ cylinder and proceed to turn “ON” the remaining full CO₂ cylinder. When time permits, replace the empty CO₂ cylinder with a full cylinder of medical grade CO₂. Repeat step 3 instructions each time a CO₂ cylinder becomes empty.

Note: Turning both CO₂ cylinders “ON” at the same time will eventually result in a “NO GAS” condition, which is what the shuttle valve product was designed to prevent. Be sure to turn only one cylinder “ON” while the other remains “OFF” to insure optimal performance of the product.

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