

OLYMPUS[®]

Your Vision, Our Future

HIGH FLOW INSUFFLATION UNIT

UHI-3

Optimum Abdominal Conditions Allow Focused Surgery



35
L/min.

Clear Interior Spaces For Clear-Thinking Procedures

The UHI-3 lets you keep your full concentration where it belongs. Its smoke evacuation maintains clear operative views, while the 35 L/min. insufflation quickly responds to gas leaks. In addition, the large front panel display allows you to check critical data at a glance.



Smoke Evacuation

Smoothly Removes Smoke & Mist

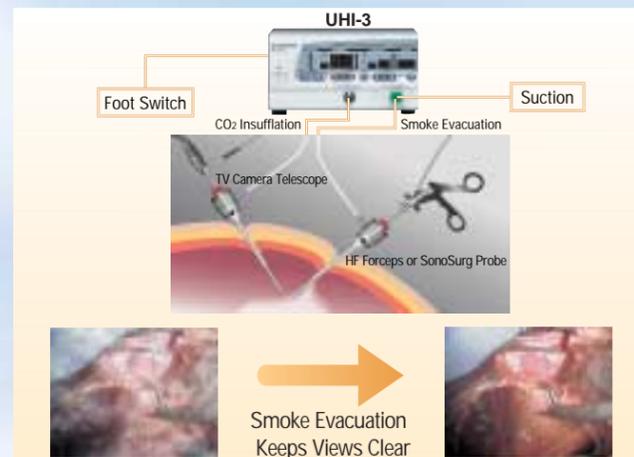
Just press the foot switch (optional) to evacuate smoke and mist generated during electrosurgery and ultrasonic procedures, so you can keep your eyes on your surgery.



MH-317 Foot Switch (optional)

● Automatic Mist Evacuation Upon Ultrasonic Output

When the UHI-3 is connected to the SonoSurg Ultrasonic Surgical System, mist evacuation begins simultaneously with ultrasonic output. (Ultrasonic output is controlled by the MAJ-51 SonoSurg-G Foot Switch for the SonoSurg Ultrasonic Surgical System.)



Warnings & Automatic Pressure Relief

Light And Sound Alarms Alert You To Problems.

Excess Gas Is Automatically Released When Abdominal Pressure Becomes Too High.

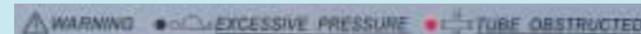
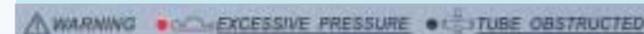
● Automatic Relief

When abdominal pressure becomes too high, a warning lamp and alarm are activated, and a pinch valve on the suction tube opens automatically to release excess gas.



● Warning Alarms

Upon detecting a tube obstruction or closed stopcock, a warning lamp and sound alarm are activated. When the CO₂ gas cylinder is empty or the high pressure hose is improperly connected, the bar graph display for the gas supply shows a red light and an alarm sounds.



Powerful 35 L/min. Insufflation

Responds To Abdominal Gas Leaks By Quickly Returning To The Preset Level.



The UHI-3 features a powerful 35 L/min. and high gas-supply. It can quickly respond to gas leaks and return to the preset rate.

● 3 Main Flow Rate Settings

You can quickly set flow rate to LOW 0.1-1.0, MED 1.1-19, or HIGH 20-35 L/min. 0.1-step settings between 0.1 and 2.0 L/min. allow delicate control of gas supply.



● Connectable To Medical Gas Pipeline

The UHI-3's unique pressure control mechanism lets you connect it to your hospital's medical gas pipeline, eliminating the need for gas cylinders.



● Low-Noise Design

Noise is kept especially low through an innovative opening and closing mechanism in the electromagnetic valve.

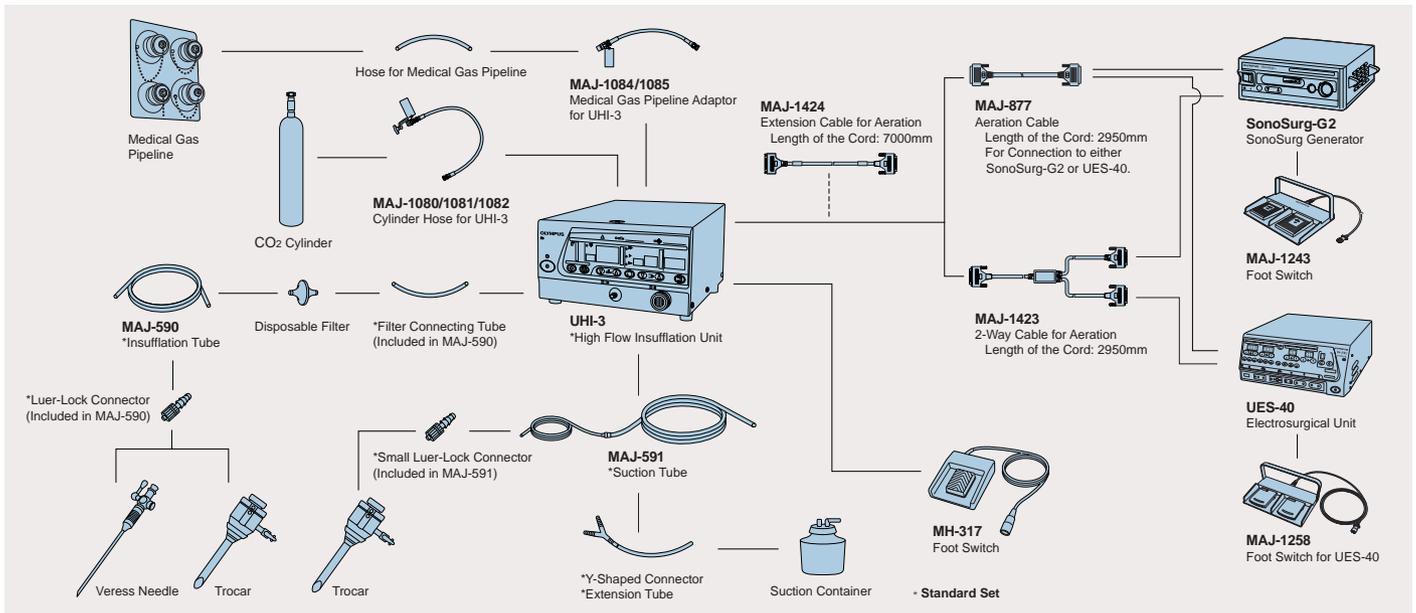
Large Front Panel Display

Check Critical Data At A Glance

Actual and preset pressures are displayed simultaneously. You can easily monitor variations in abdominal pressure and other necessary information, while staying focused on what you're doing.



System Chart



■ Standard Set

- UHI-3 High Flow Insufflation Unit
- MAJ-591 Suction Tube
Includes Tube with Green Line, Small Diameter Tube (transparent), Differential Diameter Connector, Y-Shaped Connector, Extension Tube, and Small Luer-Lock Connector
- MAJ-590 Insufflation Tube
Includes Tube (transparent) and Filter Connecting Tube
- Power Cord

■ Options

- MH-317 Foot Switch



- MAJ-1080 Cylinder Hose (PIN) for UHI-3
Includes Hose for Cylinder, Cap, and Wrench
- MAJ-1081 Cylinder Hose (DIN) for UHI-3
Includes Hose for Cylinder, Cap1, Cap 2, Wrench (large), and Wrench (small)
- MAJ-1082 Cylinder Hose (ISO) for UHI-3
Includes Hose for Cylinder, Cap1, Cap 2, Wrench (large), and Wrench (small)
- MAJ-1084 Medical Gas Pipeline Adaptor (NIST) for UHI-3
w/ Wrench
- MAJ-1085 Medical Gas Pipeline Adaptor (DISS) for UHI-3
w/ Wrench



■ Specifications

Item	Specifications	
Applicable gas	CO ₂ gas for medical use (Connectable to CO ₂ cylinder or medical gas pipeline)	
Abdominal pressure control	Indicators	Digital displays: Bar graph
	Settings	<ul style="list-style-type: none"> • Abdominal pressure can be adjusted in 1 mmHg increments between 3 and 25 mmHg. • To set pressure for 21 mmHg at 20 mmHg, press abdominal pressure control switch continuously for 3 seconds. • Previous pressure setting is retained. Selected pressure setting is placed into memory. For safety reasons, settings at 21 mmHg or higher are memorized as 20 mmHg.
Flow rate settings	3 flow setting modes	"HIGH" mode: 20 to 35 L/min. "MED" mode: 1.1 to 19 L/min. "LOW" mode: 0.1 to 1.0 L/min. When power is turned ON, "LOW" mode is selected.
VOLUME indicator	Digital displays (0.0 to 19.9 L: 0.1 L steps / 20 to 999 L: 1 L steps) *Pressing the reset button will return the display to 0.0 L.	
Power requirements	Voltage (AC)	100 - 240 V
	Frequency	50/60 Hz
	Input	150 VA
	Voltage fluctuation	Within ±10%
Classification (Electro-Medical Equipment)	Type of protection against electric shock	Class I (3-pin power cord)
	Degree of protection against electrical shock of applied part	Type CF Applied Part Insufflation tube (MAJ-590, MH-397) Suction tube (MAJ-591)
Size	Dimensions	295 (W) x 340 (D) x 150 (H) mm (housing dimensions)
	Weight	10 kg
Smoke evacuation function (optional)	<ul style="list-style-type: none"> • When the foot switch (optional) is depressed, insufflation and suction are interlocked to maintain abdominal pressure at the set pressure while smoke evacuation is performed. • Inoperative when "LOW" is selected as insufflation mode. • Inoperative when the abdominal pressure is below 3 mmHg. 	

Specifications, design and accessories are subject to change without any notice or obligation on the part of the manufacturer.

OLYMPUS

OLYMPUS MEDICAL SYSTEMS CORP.
Shinjuku Monolith, 3-1 Nishi-Shinjuku 2-chome, Shinjuku-ku, Tokyo 163-0914, Japan
OLYMPUS WINTER & IBE GMBH
Kuehnstrasse 61, 22045 Hamburg, Germany
OLYMPUS MEDICAL SYSTEMS EUROPA GMBH
Postfach 10 49 08, 20034 Hamburg / Wendenstrasse 14-18, 20097 Hamburg, Germany
OLYMPUS SURGICAL & INDUSTRIAL AMERICA INC.
One Corporate Drive, Orangeburg, New York 10962, U.S.A
OLYMPUS LATIN AMERICA, INC.
6100 Blue Lagoon Drive, Suite 390 Miami, Florida 33126-2087, U.S.A
KEYMED LTD.
Keymed House, Stock Road, Southend-on-Sea, Essex SS2 5QH, England

OLYMPUS SINGAPORE PTE LTD.
491B River Valley Road #12-01/04, Valley Point Office Tower, Singapore 248973
OLYMPUS HONG KONG AND CHINA LIMITED
Room 1520-1527, Ocean Centre, 5 Canton Road, Tsimshatsui, Kowloon, Hong Kong
OLYMPUS (BEIJING) SALES & SERVICE CO., LTD.
Room 1202, NCI Tower, A12 Jianguomenwai Avenue Chaoyang District Beijing, 100022, China
OLYMPUS MOSCOW LIMITED LIABILITY COMPANY
117071, Moscow, Malaya Kaluzhskaya 19, bld. 1, 112, Russia
OLYMPUS AUSTRALIA PTY LTD
31 Gilby Road, Mount Waverley, VIC., 3149, Australia

www.olympus.com

Printed in Japan R312UB-1005