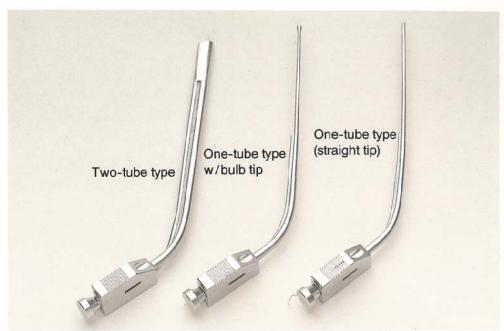
SUCTION CANNULA



Specially designed suction cannula assortment allows for perfect matching of need

Model No.	Tip Diam.	Effective Length mm	
One-tube type w/bulb tip			
MF-0309	φ3Fr	90	
-0312	φ3Fr	120	
-0316	φ3Fr	160	
-0509	φ5Fr	90	
-0512	φ5Fr	120	
-0516	φ 5Fr	160	
One-tube	e type (straigh	nt tip)	
MF-1309	φ3Fr	90	
-1312	ø 3Fr	120	
-1316	φ3Fr	160	
-1509	φ 5Fr	90	
-1512	φ5Fr	120	
-1516	φ 5Fr	- 160	
-1709	φ7Fr	90	
-1712	φ7Fr	120	
-1716	φ7Fr	160	
-1 A09	φ 10Fr	90	
-1 A12	φ 10Fr	120	
-1 A16	φ 10Fr	160	
-1 C09	φ 12Fr	90	
-1 C12	φ 12Fr	120	
-1 C16	φ12Fr	160	

Model No.	Tip Diam.	Effective Length mm
Two-tube type		
MF-2309	φ3Fr	90
-2312	φ 3Fr	120
-2316	φ 3Fr	160
-2318	φ 3Fr	180
-2509	φ 5Fr	90
-2512	φ 5Fr	120
-2516	φ 5Fr	160
-2518	φ5Fr	180
-2709	φ7Fr	90
-2712	φ7Fr	120
-2716	φ7Fr	160
-2718	φ7Fr	180
-2A09	φ10Fr	90
-2A12	φ10Fr	120
-2A16	φ10Fr	160
-2A18	φ10Fr	180
-2C09	φ12Fr	90
-2C12	φ12Fr	120
-2C16	φ12Fr	160
-2C18	φ12Fr	180

Specifications in this catalog are subject to change without notice.

Muranaka Medical Instruments Co., Ltd.

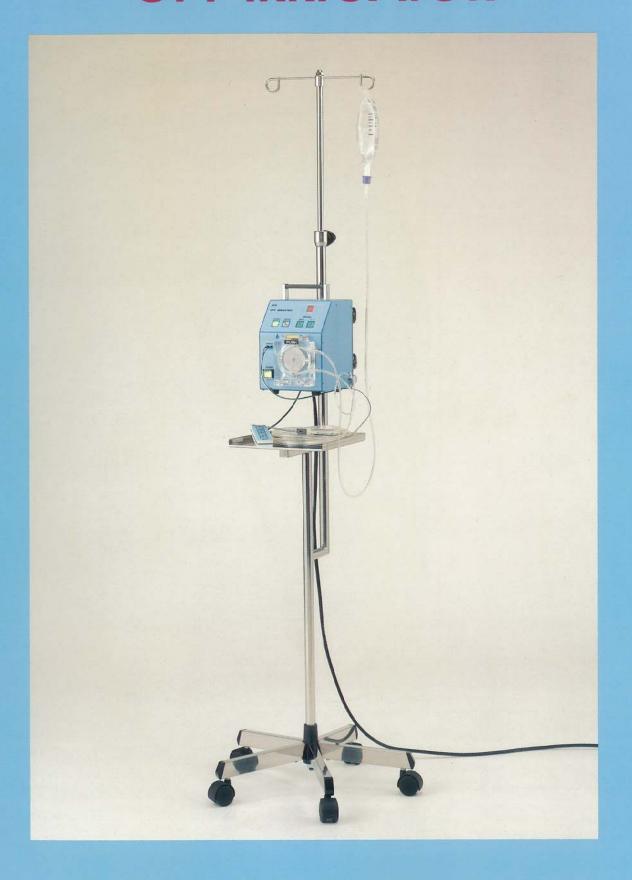
4-15, Higashi Koraibashi, Chuo-ku, Osaka 540, Japan. Tel: 81-6-943-1228 Fax: 81-6-943-1423 Telex: 529-5746 EXMEDC-J

36-10, 3-chome, Hongo, Bunkyo-ku, Tokyo 113, Japan. Tel: 81-3-3813-9218 Fax: 81-3-3813-9227 Telex: 272-2715 EXMEDC-J

Other Branches: Sapporo, Kanazawa, Kyoto, Fukuoka, Niigata, Minami-Osaka, Takamatsu



OPT IRRIGATOR



MURANAKA MEDICAL INSTRUMENTS CO.,LTD.

OPT IRRIGATOR

Original Switching Mechanism ensures Operational Ease; facilitates Hematoma Removal as well as Discovery of Minor Bleeding Points during surgery



FEATURES

- During microsurgical procedures, the OPT IRRIGATOR MF-0001 enables easy, exact delivery of desired intraoperative irrigation, while at the same time, serving to dissipate and cool the heat generated from an electrosurgical bipolar coagulation forceps or bone drill.
- Ensures fuller visibility of the operative field during surgery, as well as making detection of bleeding points such as when removing subarachonoid hemorrhages caused by ruptured cerebral aneurysms.
- 3. Special configuration of the optinal suction cannula allows for simultaneous suction and irrigation. Exact needs can be met by selecting one type from the three available; two-tube type for separated suction and irrigation functioning, one-tube type with two tubes merging into a single tube in midsection, and one-tube type with a bulb tip which is the same to the previous, except the suction cannula tip is formed into a bulb shape to prevent injury to the tissue of the operative field.
- Optical fiber-equipped switch remarkably shortens reaction time for irrigation start/off while permitting extra-fine, speedy adjustment of the irrigation flow rate.
- 5. Flow rate control can be personally, efficiently adjusted by the surgeon by using the handy remote controller that comes with the MF-0001.
- Compact, lightweight irrigator unit design effectively allows the unit to be readily placed anywhere in the operating theater.
- 7. Optional, dedicated irrigator stand also incorporates an auxiliary table for small accessories or placement of even a bipolar coagulator.

