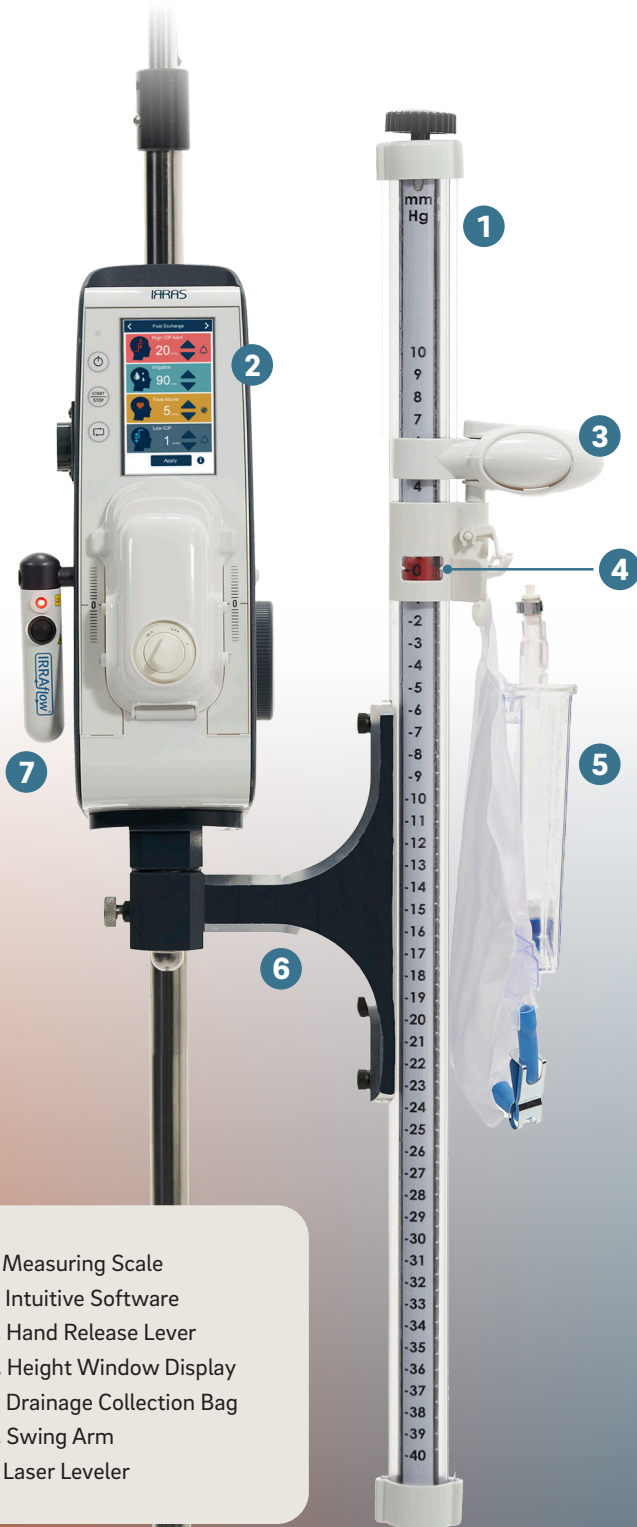




TECHNICAL SPECIFICATIONS



1. Measuring Scale
2. Intuitive Software
3. Hand Release Lever
4. Height Window Display
5. Drainage Collection Bag
6. Swing Arm
7. Laser Leveler

IRRAflow CONTROL UNIT ICCU 020

The IRRAflow Control Unit allows users to customize patient treatment with intuitive software, which includes customizable safety features to provide control when managing ICP and CSF drainage.

PROCEDURE SETTINGS

User-adjustable ICP limits, which trigger the audible system alarms for ICP

High ICP Settings		11 to 99 mmHg 13 to 134 cmH2O
Irrigation Settings		3 mL/hr to 180mL/hr
Treat Above Settings		-99 to 99 mmHg -134 to 134 cmH2O
Low ICP Settings		-99 to 10 mmHg -134 to 13 cmH2O

TECHNICAL SPECIFICATIONS

Power Supply: 100 – 240 VAC, 50 – 60 Hz

Dimensions: 35 (H) x 14 (BW) x 19 (D) cm

Weight: 3.5 kg

Operating time on battery at maximum irrigation rate with fully charged battery: Minimum of 60 minutes

MR Safe: No

CUSTOMER SERVICE

US 1-800-946-0458

EU +31-20-210-1098

US.customer.service@irras.com

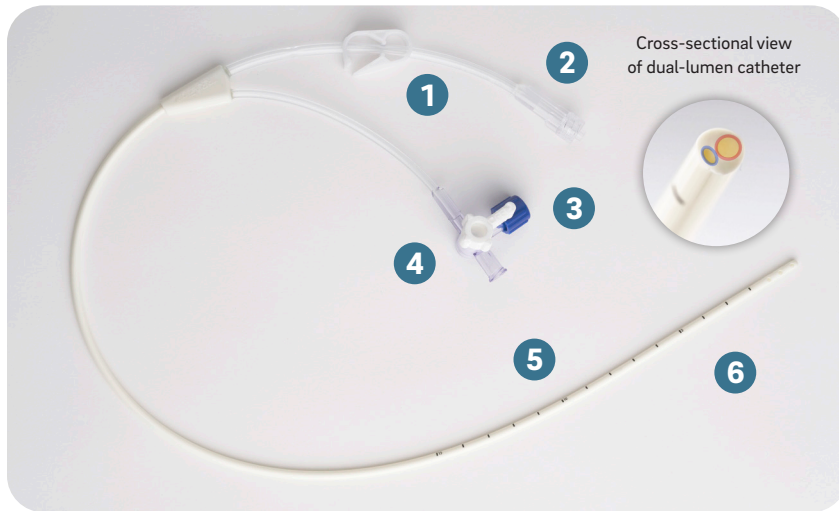
Global.customer.service@irras.com



www.irras.com

IRRAflow DUAL-LUMEN CATHETER ICGS 020

The IRRAflow dual-lumen catheter is a dynamic product for advanced fluid management and was designed to help prevent catheter occlusions by utilizing an active fluid exchange approach.



- | | |
|------------------|---|
| 1. Pinch Clamp | 4. Irrigation Port |
| 2. Drainage Port | 5. Graduations every centimeter up to 15 cm |
| 3. Stop Cock | 6. 9F, 38cm Dual-lumen Catheter |

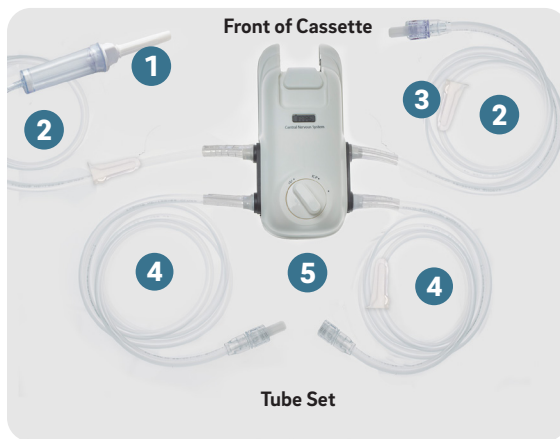
TECHNICAL SPECIFICATIONS

- Cath. Material:** Pellethane
- Antimicrobial:** No
- Catheter tip:** Radiopaque
- Catheter Size:** 9F
- Dual-lumen:** Yes
- Cath Length:** 381 mm
- Drainage Holes:** 12
- Proximal Drainage Hole:** 1.76mm(2)
- Cath. Depth Marker:** 15
- MR Safe:** Yes*
- Drainage Cross Sectional Area:** 3.3mm(2)
- Volume to fill the catheter with fluid through the irrigation lumen:** 0.8cc's
- Volume to fill the catheter with fluid through the drainage lumen:** 2.5cc's

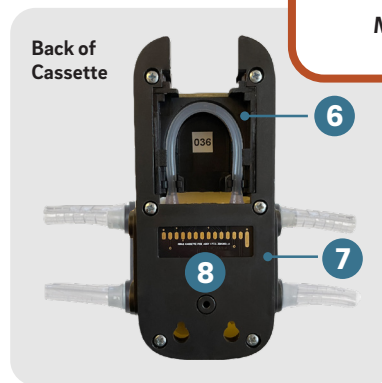
*The IRRAflow catheter is made from materials that are non-conductive, non-metallic, and non ferro-magnetic and therefore, per ASTM F2503-20, is, by definition, MR Safe. For safety within the MR environment and the MRI system room, always follow the instructions for use procedure to ensure that only the catheter inserted within the patient enters the MR environment or the MRI system room.

IRRAflow TUBE SET & INTELLIGENT DIGITAL CASSETTE ICDS 020

The IRRAflow Tube Set and Intelligent Digital Cassette enables communication between the IRRAflow control unit and catheter to provide automated irrigation, fluid drainage, and ICP monitoring.



- | | |
|-------------------------------|---------------------------------|
| 1. IV spike with drip chamber | 4. Drainage Tubing |
| 2. Irrigation Tubing | 5. Intelligent Digital Cassette |
| 3. Roller Clamps (3) | 6. Seated Irrigation Tubing |



- | |
|-------------------|
| 7. Computer Board |
| 8. Transducers |

TECHNICAL SPECIFICATIONS

- Cath. Material:** Pellethane
- ICP Measurement:** column of water & strain gauge
- ICP Measurement Accuracy Margin:** +/- 1.8 mmHg
- Transducers:** 2 included to ensure accuracy
 - 1st measures ambient pressure (calibration)
 - 2nd measures ICP (strain gauge transducer)
- MR Safe:** No

Safety Mechanism: The IRRAflow Tube Set has built-in safety mechanisms to help control the fluid movement within the tubing. Once the Tube Set is connected to the IRRAflow Control Unit, a peristaltic roller pump and pinch valve control the fluid movement by pinching off any fluid from the drainage line to measure ICP.