FLAT FLUTED DRAIN

- Flat four channels shape allows for greater multi-channel drainage.
- Channel drain offers important advantages over conventional perforated drains by capillary effect.
- Low-profile connector minimizes pain associated with device removal.
- Radiopaque for easy X-ray visualization.
- Available with or without “Three Face” stainless steel trocars.

Clinical support:

Photography by:
- University Hospital of Verona, Thoracic Department (Prof. F. Calabrò)
- S. Croce A Carlo Hospital of Como, Thoracic Department (Dr. A. Tessi)
- Arcispedale S. Maria Nuova of Reggio Emilia (Dr. F. Biolchini)

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WHY SPIRAL DRAIN?
- Maintains capillary effect in any situations.
- Works in every position.
- Allows a continuous and effective drainage avoiding tissue trauma.
- Increases patient’s comfort through atraumatic profile.

FEATURES AND BENEFITS
- Drains also when subject to tractions or unusual positioning.
- Spiral design offers alternative drainage routes to eliminate blocking from blood clots.
- Four narrow helical ducts enhance drainage flow as much as ten times the standard fluted performance (see comparative table).
- Higher efficiency allowing use of a smaller size than a standard fenestrated drain.

SPIRAL DRAIN VS. STRAIGHT FLUTED DRAIN:
Possibility of occlusion and kinking when a standard drain is positioned in curved placement or subject to traction (see drawing 1). Using Spiral profile avoids risk of collapsing, allowing a continuous drainage effect (see drawing 2).

HIGH DRAINAGE PERFORMANCE
The spiral shape along the product permits total drainage along the wound positioning. When drain is inserted in wound the profile guarantees, on wound area, capillary drainage due to its unique design. As per drawing (3) when clotted matter blocks duct, an alternative one is available by effect of spiral profile.

UNIQUE CHARACTERISTICS
- Drainage surface of 12 cm² compared to 4 cm² of standard drain with fenestration.
- High patency without internal lumen reduction by effect of a very smooth melting point.
- Ensures atraumatic capillary effect along 30 cm of drainage length.
- Easy X-ray identification by effect of total radiopaque profile.
- The wide range of sizes from 7 to 24 CH lets surgeons match the right drain to the procedure especially in those requiring large drainage tubes.

HIGH PATIENT COMFORT
- Four spiral ducts minimize tissue invagination.
- Less tissue trauma and small bore size reduce pain for patient.
- Three Face atraumatic trocar needle reduce punching effect.
- Less patient discomfort upon removal allowing early mobilization.

Innovative solution for many surgical procedures including:

Plastic Surgery:
- Breast reconstruction and reduction.
- Abdominoplasty.
- Lifting.

General Surgery:
- Mastectomy.
- Digestive Surgery.
- Laparoscopic procedures.

Cardio-Thoracic:
- Lobectomy and wedge resection.
- Video-Thoracoscopic procedures.
- Minis sternotomy.
- CABG and valvular replacement and reconstruction.