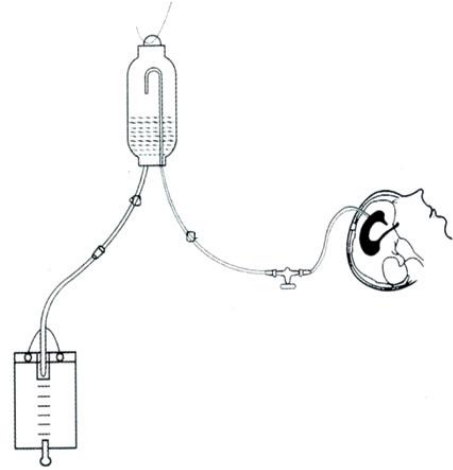


# **Neurosurgical Products**

## External Ventricular Drainage Device

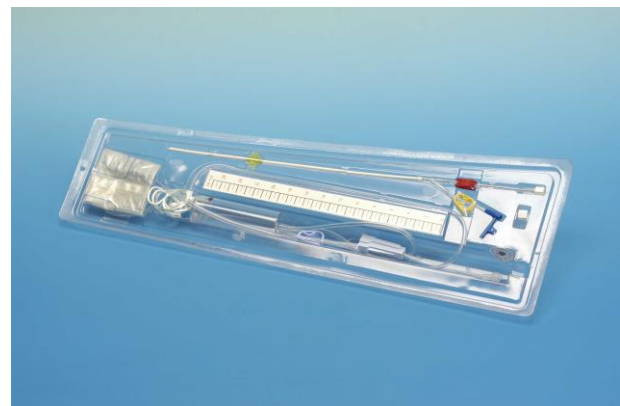
### Application Scope:

- Drainage for intracranial hemorrhage
- Drainage for intracranial infection
- Drainage after intracranial tumor surgery
- Catheter intubation before some surgery to reduce intracranial pressure
- Acute hydrocephalus caused by brainstem hemorrhage or cerebellar hemorrhage entering encephalocele.
- Drainage for Subdural hematoma or epidural hematoma



### Type I

Code	Specification
5201	9Fr, simple package
5202	9Fr, composite package



Simple Package

### Components:

- Drainage catheter with vent
- Connection tubing
- Flow regulator
- Drainage chamber
- Collection bag
- Tubing clamp
- Catheter clamp
- Ruler



### Characteristic:

- Catheter is made of PU with high rigidity, thin wall, high flow, smooth, good biocompatibility, blind end, less harm, radiopaque line.
- Catheter has a vent to supply perfect test platform. Drainage and continuous intracranial pressure test (or medicine supply) can be performed simultaneously.
- Drainage chamber and collection bag has a tick mark to measure the volume of liquid conveniently. It is equipped with a gas filter.
- The collection bag has a one way valve to avoid infection.



Composite Package

# External Ventricular Drainage Device

## Type II

Code	Specification
5301	10Fr, simple package
5302	10Fr, composite package
5303	14Fr, simple package
5304	14Fr, composite package

### Components:

- Drainage catheter
- Extension line with stopcock
- Connection tubing
- Flow regulator
- Drainage chamber
- Collection bag
- Tubing clamp

### Characteristic:

- Catheter is made of medical silicone with blue radiopaque line, blind end.
- Drainage chamber is equipped with gas filter to avoid contra-flow and siphonage.
- Drainage chamber and collection bag has a tick mark to measure the volume of liquid conveniently. It is equipped with a gas filter.
- The collection bag has a one way valve to avoid infection.
- Hypodermic needle and cranial awl can be equipped if needed.



Components



Simple Package



Composite Package

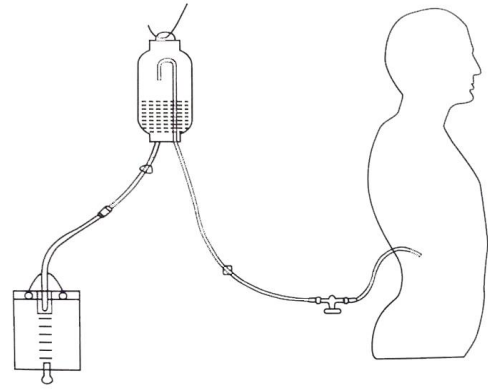
# Lumbar Cistern Drainage Device

## Application Scope:

- subarachnoid hemorrhage
- ventricular hemorrhage
- intracranial infection

## Contraindication:

- Hernia cerebri
- Intracranial pressure rises obviously.
- Skin or soft tissue is infected at puncture place.
- Lumbar vertebra deformity or sclerotin damage
- Systemic serious infection (hematosepsis), shock or almost clinical shock
- Patient is restless or uncooperative.
- Compression lesion of medulla spinalis
- Be more serious after Lumbar puncture.
- Obstruction of cerebrospinal fluid circuit



Components

Code	Specification
5401	4Fr, simple package
5402	4Fr, composite package

## Components:

- Drainage catheter
- Puncture needle
- Syringe
- Heparin cap
- Connector
- Stopcock
- Collection bag with connection tubing
- Drainage chamber
- Towel with hole
- Glove
- Dressing
- Cotton ball



Puncture Kit  
Simple Package



Drainage Kit

## Characteristic:

- Advantage of the treatment: small wound, drainage flow can be controlled, remove bleeding more thoroughly, better biocompatibility, lower infection, more convenient treatment and test of cerebrospinal fluid.
- Puncture kit: catheter is made of composite material with proper hardness, smooth surface, tick mark for insertion depth, eight holes for drainage flow, round end and good biocompatibility.
- Drainage kit: drainage chamber is equipped with gas filter to avoid contra-flow and siphonage, drainage chamber and collection bag has a tick mark, the collection bag has a one-way valve to avoid infection.



Composite Package