

# Jour DoubleEnd Bottle

## Mobile Phase Management Systems

Here is the new system designed to deliver solvent, reagent or buffer solutions until the very last drop - you won't waste a drop of your solvent... or your time. This is not just another bottle for your mobile phase... this is a special graduated reservoir built for one application - to provide your HPLC instrument with a smooth flow of solvent and simultaneous degassing - no shutdown - continuous operation.

DoubleEnd Solvent Delivery System have the mobile phase outlet at the bottom of the reservoir, delivering the last drop of your mobile phase to the pump. We made it a 2-liter reservoir safety coated with GL 45 threads suitable for overnight operations. The bottom has a built-in mobile phase filter and a shut-off valve.

Nothing is simpler than to refill the reservoir - just remove the refill/sparge cap. **No** pump shutdown.

### Prime/Purge

By opening the bottom valve and the pump's prime/purge valve the mobile phase itself will prime the LC pump inlet tubing under pressure of the solvent's own weight. This added pressure continues throughout the operation improving pump performance and minimizing cavitation.

### NoOx™ Tubing

is a totally new approach to LC tubing. We call it "regassing" when e.g. oxygen from the atmosphere enters into the system. Jour **NoOx™** tubing is coextruded with an inside of FEP and an outside "skin" of PVDF - it makes your degassing meaningful.

### Integral Sparge Control (P/N 0001-5971)

The refill/sparge caps are available with a built-in sparge control valve that regulates the sparge gas flow rate by just rotating the lever on the cap.

### External Sparge Control (P/N 0001-5961)

Sparge gas flow rate must be controlled externally when using the DoubleEnd™ system fitted with external sparge control.

### Safety

**No** more simple safety nets around the bottle which do not protect the operator **100%**. Jour has built a thick layer of safety coating around the bottle. In case of an accident the safety coating helps retain glass fragments and allows a reasonable time for disposal of the solvent.

### UV Protection

**No** more ordinary bottles which do not protect your mobile phase from UV light. DoubleEnd™ reservoir has UV

protection built into the safety coating - is autoclavable and absorbs virtually all UV up to 385 nm. This preserves your UV sensitive mobile phase components and prevents photodegradation.

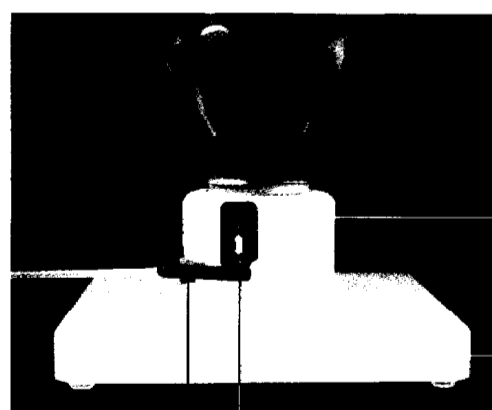
Wetted parts are glass, KelF, Teflon and Stainless Steel 316L



Integral Sparge Control Cap



External Sparge Control Cap



Outlet Cap

Base Plate (B)

Outlet Valve (C)

Solvent Outlet (A)

### DoubleEnd™ Bottle System

#### Description

External DoubleEnd™ Bottle System  
Integral DoubleEnd™ Bottle System

#### Both above DoubleEnd™ Systems includes below items:

- 3 pcs 1/8" Flange-Free PEEK Nut,
- 3 pcs 1/8" Flange-Free Tefzel Ferrule,
- 1 pcs 1/16" Flange-Free PEEK Nut,
- 1 pcs 1/16" Flange-Free Tefzel Ferrule
- 2 pcs 1/4"-28 PEEK Plug
- 3 pcs Inserts for No-Ox® Tubing
- 3 m Teflon Tubing OD 1/8" x ID 1,60 mm
- 3 m No-Ox® Tubing OD 1/8" x ID 1,50 mm
- 1 pcs Helium Sparger Stainless Steel Filter 10µ
- 1 pcs PTFE Vent Filter 0,2µ

#### Spare Bottle:

DoubleEnd™ Bottle only

JOUR RESEARCH



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