

# When Survival Chances are Compromised, Don't Compromise on Safety

**Clinical Use Areas:**

- >> NICU
- >> PICU

**Available in Continuous or Intermittent**

Boehringer's Neonatal Suction Regulators are factory limited to 100 mmHg in accordance with established clinical practice guidelines. These units are ideally suited in NICU's and PICU's, where accurate, efficient, low level suction is a necessity. The ability to sterilize these units reduces the possibility of the suction regulator becoming an infection vector in these critical units.

**Features:**

- Suction limit meets current clinical practice guidelines
- High flow at low pressure for safe but efficient secretion removal
- Longest warranty in the industry – 12-year factory warranty
- Patented Self-Clearing™ technology ensures years of trouble-free operation
- Sterilizable – VSS270™
- Accurate at low suction levels



Model 3810



Model 3814



## Your Most Fragile Patients Deserve the Best Protection with the Only Sterilizable Neonatal Suction Regulators

### Protect Your Patients from Infection

Hospital suction regulators are a proven reservoir for pathogens, capable of delivering infection to immuno-suppressed patients. In a multicenter study, suction regulators from all major manufacturers were randomly sampled (470 units from 11 hospitals in five states) and 37% of those suction regulators tested positive for colonization.

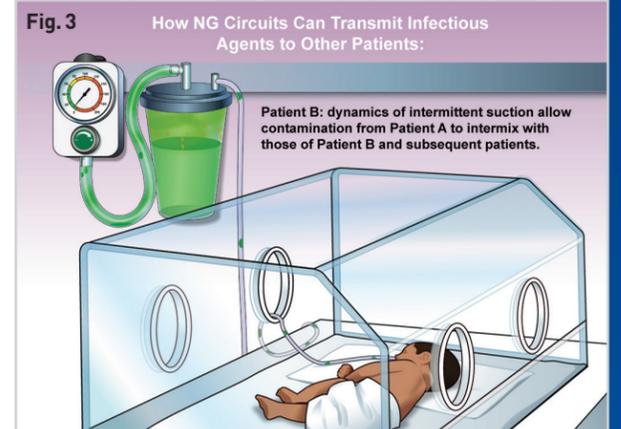
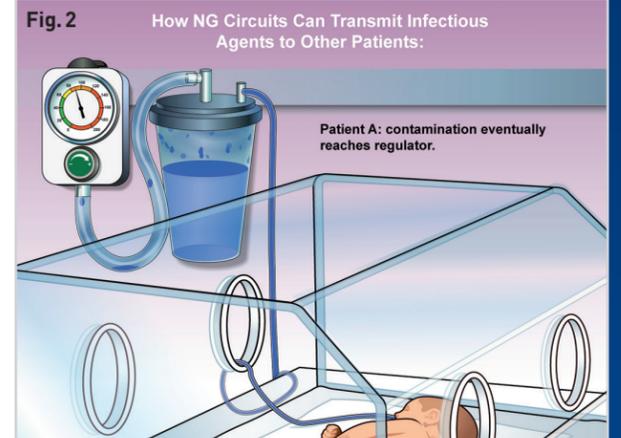
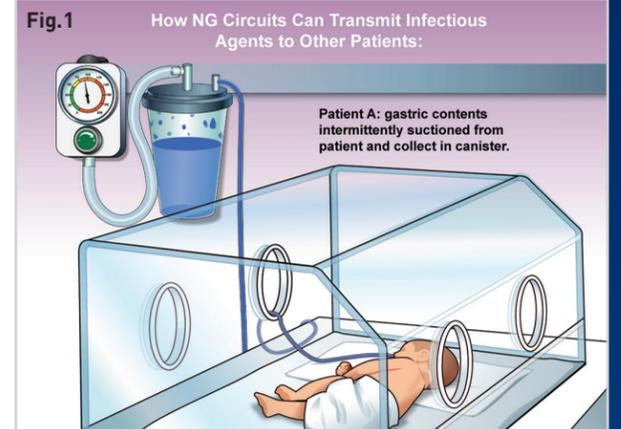
### How Pathogens are Transmitted

During suction therapies, secretions are drawn through the catheter into the canister, but are not completely captured there. Secretions commonly reach the suction regulator and remain trapped inside (Fig. 2).

When suction regulators operate in intermittent mode as with nasogastric suctioning, the ON/OFF cycling allows backflow, splashes and condensation to migrate through canisters, filters and trap bottles to deliver potential infection to the next patient.

This fluid dynamic can allow pathogens from a regulator to be transmitted to a new canister in as little as 30 minutes and to the next patient in just eight hours. *Boehringer Regulators did not show this effect within 48 hours (Fig. 3).\**

**AUTOCLAVE 270° F/4 MIN**



\*Kaye, Keith. (2010). Suction regulators: a potential vector for hospital-acquired pathogens. *Infection Control and Hospital Epidemiology*, 31(7), 772-774.

### Model Overview

| Model | Intermit | Line | Regulated Range | Ports    | Dimensions        | Weight | Modes                 |
|-------|----------|------|-----------------|----------|-------------------|--------|-----------------------|
| 3810  | No       | No   | 10-100 mmHg     | 1/8 NPTF | 5 3/4 x 2 1/2 x 4 | 22 oz  | OFF - REG             |
| 3814  | Yes      | No   | 10-100 mmHg     | 1/8 NPTF | 5 3/4 x 4 1/8 x 4 | 26 oz  | OFF - INTERMIT - CONT |