

### SWABABLE BREAK-OFF VALVE

#### General Characteristics

- Halkey-Roberts needlefree break-off valves are designed to attach directly to the solution bag during their production. These swabable valves can be used as needlefree injection sites or to access the bag with a mating luer connector, eliminating the need for spike ports and needles.
- All materials are Gamma resistant, ISO 10993 compliant, DEHP-free and not made with natural rubber latex.
- The Break-off valve is available in polycarbonate for easy bonding.
- The break-off valves are designed to fit two tubing sizes: 6.0 mm and 6.6 mm I.D.
- Produced under GMP: Halkey-Roberts is an ISO 13485-2003 and FDA registered manufacturing facility.
- The Swabable Valve series is a medical component: bulk, non-sterile, for manufacturing processing or repacking only.
- Customer is responsible for the Qualification/Verification of the HR® medical component in their final device application.
- Luer fittings are compatible with International Standard ISO 594, and ISO 80369-7

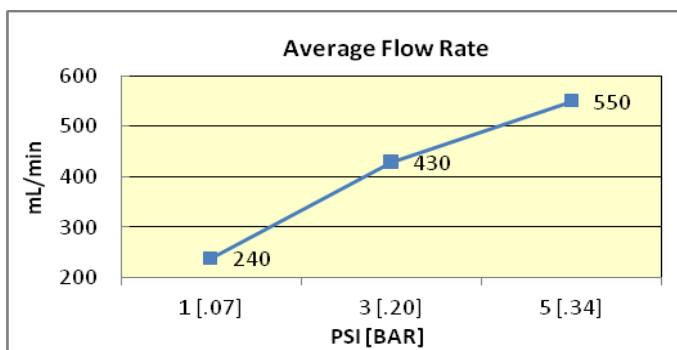


**SWABABLE BREAK-OFF VALVE**

#### BREAK-OFF VALVE

PART NUMBER:

- 245112024 6.0 mm
- 245113024 6.6 mm



#### PERFORMANCE CHARACTERISTICS

- Priming volume: 0.30 ml

#### Flow Rate Averages

- Flow Rate @ 1 psi: 240 ml/minute (14,400 ml/hr @ 30 inch height)
- Flow Rate @ 3 psi: 430 ml/minute
- Flow Rate @ 5 psi: 550 ml/minute

#### MATERIALS

- Swabable Stem: Blue Silicone
- Swabable Body: Clear Polycarbonate

#### PACKAGING AND SHIPPING

- Valves are bulk packaged, double bagged in clean, closed polybags
- Shipping container is clearly labeled with HR® part number, lot number and quantity

#### POTENTIAL STERILIZATION METHOD

- ETO and Gamma, based on raw material manufacturer's data

**Important:** All HR® Medical Components are shipped bulk, non-sterile, and are single patient use medical device components requiring further processing (e.g. assembly, packaging, sterilization) before clinical use. The buyer is responsible for determining effects of processing/multiple usage on these components, the appropriateness of the component in the final application, and pre/post shelf life.