







## SRV™ DATA SHEET

-  **Single Use**
-  **Connects using standard Luer Connectors**
-  **Makes return to Treatment fast, simple, & clean**
-  **Proprietary Flow Path Seals when Valve is separated under predetermined tension**



### SAFETY RELEASE VALVE™ - Performance Specifications

<b>Luer Connectivity</b>	<b>Yes</b>
<b>Single Use Only</b>	<b>Yes</b>
<b>Materials</b>	<b>Silicone, Polycarbonate</b>
<b>Priming Volume</b>	<b>0.182 mL</b>
<b>Residual Volume following Separation</b>	<b>0.058 mL</b>
<b>Non-Metallic</b>	<b>Yes</b>
<b>Flow Path</b>	<b>In-line proprietary design</b>
<b>Latex/DEHP Free</b>	<b>Yes</b>
<b>Disconnect Tension</b>	<b>Max 3.25 lbs</b>

### SAFETY RELEASE VALVE™ - Order Information

<b>Reference Ordering Number</b>	<b>1812-B300 Rev D</b>
<b>Packaging</b>	<b>Individual pkgd unit</b>
<b>Sold As Case</b>	<b>100 units</b>



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# Orchid Safety Release Valve™

The Orchid Safety Release Valve™ (SRV) is a sterile, single patient use connector for needle-free access, placed between the existing IV extension set and general IV tubing connection intended to be used for delivery of fluid to/from an IV catheter. The Orchid SRV can be used during direct injection, intermittent infusion, and continuous infusion.



Dislodgement is most frequently caused by patient confusion or removal of the catheter, loose dressing or tape, or tubing tangled in the bed or linens.<sup>1</sup>

## Helping to Solve a Major Issue

Of the 342 million peripheral IVs in the U.S. each year<sup>2</sup>, up to 10% may dislodge<sup>3</sup>, costing over \$2 billion annually. The Orchid SRV addresses this issue by reducing dislodgement, improving patient satisfaction, and freeing clinicians from some unnecessary restarts.

IV insertion site

Existing IV  
securement/  
stabilization

## How the Safety Release Valve Works

When tension on the IV line activates the SRV, the valve disconnects and seals off both sides of the IV creating a sterile barrier. The clinician restores the line by simply removing the separated halves and replacing them with a new, prepackaged, sterile valve.

### IV ADMINISTRATION SET

The valve attaches to the administration set using a standard luer connector, making it easy to integrate with existing IV's.



### ORCHID SRV

The single-use valve prevents post-dislodgement reconnection. It utilizes a latex-free, MRI-compatible seal and proprietary design to enclose the flow path.



### IV EXTENSION SET

As with the IV administration set, the SRV attaches to the extension set using a standard luer connector.



<sup>1</sup> "Accidental Intravenous Device Dislodgement: Incidence and Perceptions of Safety at the Bedside." Scientific poster presentation by Nancy Moureau, AVA 2017 annual meeting

<sup>2</sup> iData research report

<sup>3</sup> "The Peripheral Intravenous Catheter Journey: A Prospective Cohort Study of 1000 Patients." Podium presentation by Nicole Marsh, RN, and Claire Rickard, RN, PhD, AVA 2017 annual meeting