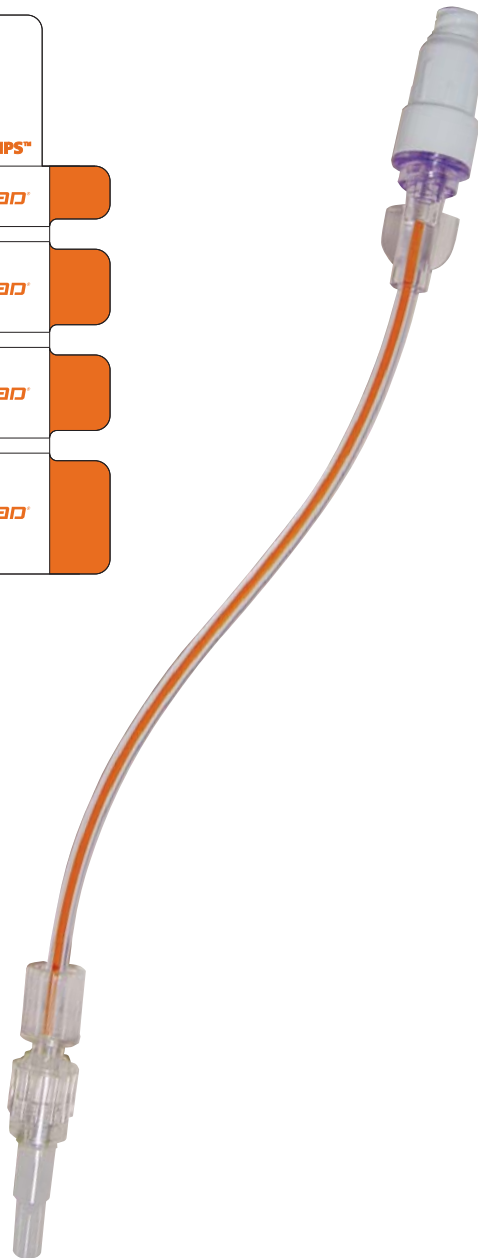
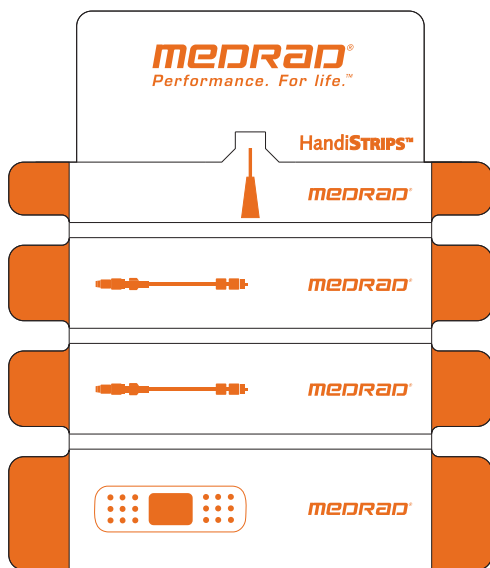


# *PRES*™ Pressure-Rated Extension Set with HandiSTRIPS™ Medical Adhesive Tape & Bandages



MEDRAD *PRES* is the only extension set available that is both pressure-rated for use with power injection and specifically approved by MEDRAD for use with MEDRAD CT Contrast Injection Systems. *PRES* is approved for use with power injectors that have a pressure limit of 325 psi.

Incorporated with *PRES* are MEDRAD HandiSTRIPS, which secure *PRES* to the patient quickly and easily.

*PRES* is specially designed to tolerate the high pressures that accompany power injection of CT contrast media. Extension sets not rated for pressure injection can leak, rupture, or explode at pressures that are common with power injection.

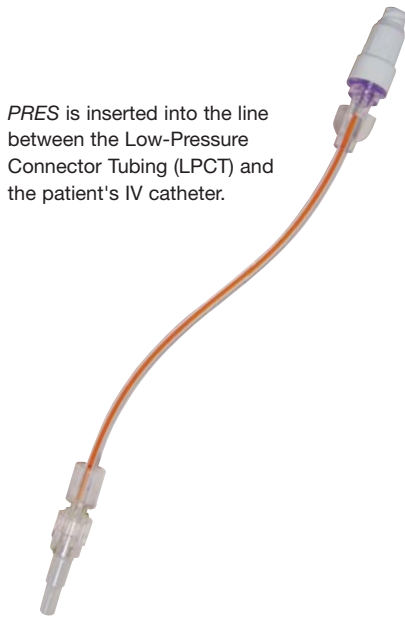
*PRES* reduces the risk of ruptures that can result in a leak of contrast media, contamination of the room and personnel with contrast media and blood, or the need to replace the IV catheter.<sup>1</sup>



Swabbable Valve



Rotating Luer



PRES is inserted into the line between the Low-Pressure Connector Tubing (LPCT) and the patient's IV catheter.

## PRES Pressure-Rated Extension Set

### Increased Patient Safety and Throughput in CT Suites

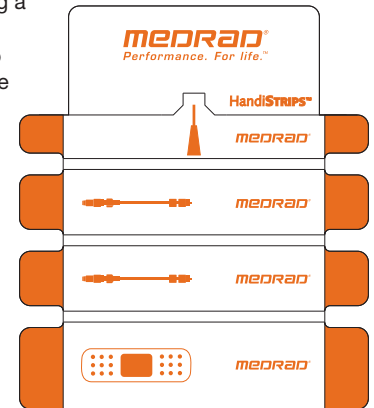
MEDRAD PRES is easy to use and allows placement of IV Catheters in a remote location, reducing preparation time spent in the Scan Room. MEDRAD's unique HandiSTRIPS™ Medical Adhesive Tape and Bandages quickly and easily secure the IV catheter and extension set on to the patient, and can reduce the number of components for each procedure. PRES helps achieve compliance with current FDA recommendations relating to preventing rupture of vascular access devices when used with power injectors by ensuring that the pressure from the power injection does not exceed the pressure rating on the extension set.<sup>2</sup>

**PRES:**

- Uses a Swabbable Valve to enable multiple sterile accesses to patient's IV catheter
  - Positive displacement valve minimizes blood reflux in catheter
  - Tested for microbial ingress according to FDA regulations
- Is easy to connect to patient's IV catheter with one hand using a rotating luer
- Has an orange line on the tubing that makes it easy to identify as pressure-rated and MEDRAD-approved for use with CT injection systems
- Also serves as a standard extension set for infusion/gravity flow applications

MEDRAD HandiSTRIPS Medical Adhesive Tape & Bandages make securing PRES quick and easy and are like having a third hand when preparing for a CT scan. They safely secure the catheter and pressure-rated extension set to the patient, and can be used to secure a bandage at the end of the procedure.

- Specifically designed with the right texture, length, adhesive, and pliability to quickly and easily secure IV components in a hectic environment.
- Easy to apply and remove from the patient, even while wearing gloves.
- Reduces steps and time for each procedure.
- Innovative design enables aseptic technique when securing components to the patient.
- HandiSTRIPS help achieve compliance with current CDC guidelines to improve sterility when placing the catheter.<sup>3</sup>



1,2. "Reminders from FDA Regarding Ruptured Vascular Access Devices from Power Injection." U.S. Food and Drug Administration. 7 July, 2004. Accessed 25 May, 2007. <<http://www.fda.gov/MedicalDevices/Safety/AlertsandNotices/TipsandArticlesonDeviceSafety/ucm070193.htm>>.

3. O'Grady NM, Alexander M, Dellinger E.P et al "Guidelines for the Prevention of Intravascular Catheter-Related Infections." 9 August 2002. Center for Disease Control and Prevention. Accessed 25 May, 2007. <<http://www.cdc.gov/mmwr/preview/mmwrhtml/rr5110a1.htm>>.

MEDRAD reserves the right to modify the specifications and features described herein, or discontinue manufacture of the product described at any time without prior notice or obligation. Please contact your authorized MEDRAD representative for the most current information.

MEDRAD is a federally registered trademark and MEDRAD Radiology, Performance. For life., PRES and HandiSTRIPS are trademarks of MEDRAD, INC. U.S.A.

**MEDRAD, INC.**  
**John. P. Friel Center for Innovation**  
 One Medrad Drive  
 Indianola, PA 15051-0780 USA  
 Telephone: +1-412-767-2400  
 Fax: +1-412-767-4120

**Customer Service/Orders**  
 +1-800-MEDRAD-1  
 +1-800-633-7231

**Customer Service Fax**  
 +1-412-767-4120

**www.medrad.com**  
 Email address for more information:  
 info@medrad.com