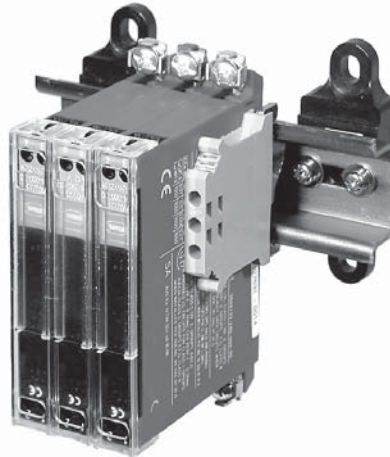


## IntrinSafe (Intrinsic Safety Barrier)

IntrinSafe enables the use of the Advantium alarm with CONCOA's automatic switchover, Protocol stations or Gas Blending systems with flammable gases or in hazardous locations. IntrinSafe utilizes intrinsic safety barriers that keep electrical circuit energy below the minimum ignition levels published by such standards as ANSI/UL 913 AND FM3610. By eliminating the source of ignition, CONCOA's IntrinSafe system offers a simple, reliable, low cost alternative to explosion-proof containment devices. This makes CONCOA the perfect choice for laboratory, chemical processing, heat-treating and plasma welding and cutting applications.



### Specifications

- **Current Limitation**  
Resistive  
Replaceable fuse protection for each channel
- **Dimensions**  
5" W x 4" L x 3 17/32" D
- **Operating Temperature Range**  
-4 to +140F (-20 to +60 C)
- **Mounting Location**  
Non-hazardous or Class I, Div. 2 location
- **Grounding Method**  
Designated ground electrode with #12 AWG size conductor or larger  
Ground path resistance not to exceed 1 ohm

Part Number	Description
529-5312	For use with Advantium 1 and 2 PLUS Alarms
529-5296	For use with 529-5310 and 529-5311 remote alarm

## Relief Valves

The 9400 Series Gas Phase Relief Valves offer excellent discharge capacity and field adjustability. The captive seat design minimizes the wetted surface area, reducing possible contamination. The unique design also provides an accurate cracking pressure with zero leakage up to 98% of the nominal set pressure. Models 2039 and 2040 are designed for cryogenic in-line application and offer a gooseneck design that enables a safe discharge.



### Specifications

- **580-2039 and 580-2040 Temperature Range**  
-450°F to 1500°F
- **830-9412, 830-9413, and 830-9414 Temperature Range**  
Viton® Seat - 20°F to 400°F  
Neoprene - 40°F to 300°F  
Maximum Pressure - 3700 PSI

## Ordering Information

Part Number	Description	Connections	Material
830-9412	Preset at 220 PSIG: (range 130 - 310 PSIG)	½" MPT x ½" FPT	Brass Body, Viton® Seat
830-9413	Preset at 420 PSIG: (range 260 - 600 PSIG)	½" MPT x ½" FPT	Brass Body, Viton® Seat
830-9414	Preset at 100 PSIG: (range 80 - 120 PSIG)	¼" MPT x ½" FPT	Brass Body, Neoprene Seat
830-9415	Preset at 20 PSIG: (range 8 - 34 PSIG)	½" MPT x ½" FPT	Brass Body, Neoprene Seat
580-2039	750 PSIG Cryogenic Relief	Male x Female CGA 440 (⅝" Flare)	Stainless Steel
580-2040	750 PSIG Cryogenic Relief	Male x Female CGA 295 (½" Flare)	Stainless Steel