

# Municipal Pressure Piping Systems

PRODUCT INFORMATION BULLETIN

## IPEX Centurion® and Blue Brute® Pressure Piping Systems

PVC Pressure Systems manufactured to  
AWWA C900 and CSA B137.3 Standards

Blue Brute® 4" – 12" (100mm – 300mm)

IPEX Centurion® 14" – 60"  
(350mm – 1,500mm)

Designed for municipal applications, IPEX Centurion® and Blue Brute® systems deliver superior strength with corrosion resistant performance and the ability to flex without damage.

IPEX municipal pressure piping systems are made with a high-strength, high-impact PVC compound, allowing them to perform even under high traffic loads and deep burial conditions.

For applications involving potable water, irrigation systems, or sewage forcemains, IPEX municipal systems offer the lowest break rate of any pipe material.

Blue Brute fittings are injection molded and are even tougher than the pipe. Injection molded Blue Brute fittings have a wall thickness 125% larger than DR18 pipe, and custom-made fabricated fittings are wrapped with a tough layer of fiberglass for extra protection.

Proven in tough North American climates for over 50 years, IPEX PVC pipe and fitting systems have an established track record of performance.

**IPEX CENTURION®**  
**BLUE BRUTE®**



### Available Sizes:

DR	Size Range (mm)
14	350 – 400
18	350 – 1,050
25	350 – 1,200
32.5	350 – 1,350
41	350 – 1,500
51	450 – 1,500

### Standards:



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## Pressure Classes:

The Pressure Class (PC) of IPEX Centurion and Blue Brute is derived using a 2.0 Safety Factor versus the long-term strength of the PVC compound. They are shown in the table below:

DR	PC (psi)
14	305
18	235
25	165
32.5	125
41	100
51	80

## Key Features:

- **Corrosion-Proof Performance**

IPEX Centurion and Blue Brute systems are immune to corrosion from aggressive soils and galvanic action.

- **Superior Hydraulics**

The glass-like finish of PVC reduces friction losses and eliminates the tuberculation common in iron pipes. As a result, pumping costs are reduced and water quality is maintained.

- **Cast Iron Outside Diameter (CIOD)**

Blue Brute and IPEX Centurion systems are manufactured with a cast iron outside diameter (CIOD). This is compatible with waterworks valves, appurtenances and restrainers.

- **Bottle-Tight Joints, Removable Gaskets**

IPEX's patented gasket system not only withstands many times the rated system pressure, but also withstands full vacuum pressures. The unique removable gasket system allows special oil-resistant (nitrile) gaskets to be easily installed when working in contaminated soils.

- **Third-Party Certification**

All IPEX municipal systems are third-party certified as applicable. In addition, IPEX Centurion and Blue Brute systems have Factory Mutual approval and Underwriter's Laboratories (ULI and ULC) listings.