

# The Mechanical Pipeline

## IPEX System 15<sup>®</sup> and System XFR<sup>®</sup> Support New Multi-Purpose Complex

The new Pictou County Wellness Centre is a world-class, multi-purpose gathering centre



**T**hanks to \$31 million in funding contributed by Federal, Provincial and Municipal governments,

Pictou County, Nova Scotia now enjoys a new multi-purpose sport, recreation and wellness complex. The fully accessible, energy-efficient facility enhances the region's image as an attractive place to live and work. Located on an 11-acre site, the new 150,000 square-foot centre will be owned and managed by the Pictou County Wellness Centre Building Authority.

The new Pictou County Wellness Centre is a world-class, multi-purpose gathering centre which will house ice and aquatic sports, community fitness and wellness programs, youth programming, local events and business meetings. Specifically, the centre contains

the relocated Pictou County YMCA, two NHL regulation-size hockey rinks, a 25-metre pool, warm water pool for therapeutic programs, gymnasium with rock-climbing wall, indoor track, fitness centre, conference rooms, and licensed child care facility. With so many amenities, the new centre features a wide array of drain, waste and vent (DWV) applications—from sanitary systems and showers in locker rooms to rain water collection and venting. Thankfully, easy-to-install PVC drainage systems from IPEX helped speed the installation of the complex DWV system.

Fast becoming the norm in building DWV specifications, System 15<sup>®</sup> and System XFR<sup>®</sup> pipe and fittings from IPEX have emerged as a viable alternative to cast iron and copper. System 15 is a cost-effective pipe for the majority of low-rise and light commercial applications. System XFR



## SYSTEM 15® DWV    SYSTEM XFR® DWV

- » Meets code requirements for noncombustible buildings
- » Significantly lighter than cast iron
- » Easier to install
- » Corrosion resistant
- » High impact resistance
- » Improved flow

is a PVC pipe that is rated for installation in high buildings and plenum applications where tighter flame and smoke regulations previously limited the use of thermoplastic. System XFR's advanced material meets the 25/50 Flame Spread and Smoke Development limits of the National Building Code (NBC) of Canada, as confirmed with listings to ULC S102.2.

Weighing much less than cast iron piping, System 15 and System XFR are significantly easier to store, handle and install. No special equipment is needed to hoist up pipe during installation which contributes to substantially lower installation labour costs and time. PVC also offers excellent insulating properties. Unlike metal pipes, System XFR has less potential to form condensation, which can ultimately reduce or eliminate the cost of adding insulation.

"We mostly used the XFR product for speed," says Stewart MacIntosh with Atlantica Mechanical who installed the DWV system for the Pictou County Wellness Centre. "It's especially ideal for smaller diameters where you would have to use copper with soldered joints. When you compare joining PVC to soldering, there's no comparison."

Made of tough, impact-resistant PVC, System 15 and System XFR are extremely durable and

require virtually no maintenance, offering long-term cost benefits over the life of the system. They provide excellent long-term performance – even under continued exposure to corrosive environments—yielding a more pleasing, aesthetic system that will look as good in twenty years as it does the day it is installed.

"We used System 15 and System XFR for all of the drainage, sanitation and main and lateral rain water leaders at the new complex," says MacIntosh. "We've been using the product for quite some time. The IPEX team are good to work with, and they do their best to address our needs."

System XFR's substantially lower roughness factor and larger inside diameter compared to cast iron allows for increased flow capacity providing engineers with the versatility to design smaller, compact systems as needed. This feature proves particularly advantageous in avoiding blockages with today's lower flow, water-conserving toilets.

System 15 and System XFR DWV – providing optimum value for Pictou County Wellness Centre users through high quality, long-lasting drain piping.