



MECHANICAL EASY SPEC

POTABLE WATER SYSTEM⁴

PRODUCT	SIZE RANGE	STANDARDS	APPLICATIONS	ABOVEGROUND		UNDERGROUND	
				COLD	HOT	UNDER BLDG.	OUTSIDE BLDG.
POTABLE WATER PIPING SYSTEMS							
AquaRise® Pipe	1/2" - 4"	CSA B137.6, NSF 61	Hot and cold domestic water	P 1,2,3	P 1,2,3	P	P
Pipe-with-the-Stripe® PE Tubing	1/2" - 3"	CSA B137.1 (Red stripe & Green stripe only)	Water supply piping for residential wells, irrigation and agriculture	N	N	P	P
Gold901™ HDPE Water Service Tubing	3/4" - 2"	AWWA C901, CSA B137.1, NSF-61,	Municipal water service	N	N	P	P
Blue904® PEX Water Service Tubing	3/4" - 2"	ASTM F876, ASTM F877, AWWA C904, CSA B137.5, NSF 61 & 14	Municipal water service	P 1,2,3	P 1,2,3	P	P
Q-Line® Water Service Tubing	3/4" - 1"	ASTM F1282, CSA B137.9, NSF 61 & 14	Municipal water service	N	N	P	P
Xirtec® PVC Pressure Pipe	1/2" - 24"	ASTM D1785, CSA B137.3, NSF 14 & 61	Potable cold water pressure pipe	P 1,2,3	N	P	P
PROCESS PIPING SYSTEMS							
Xirtec® PVC Pressure Pipe	1/2" - 24"	ASTM D1785, CSA B137.3, NSF 14 & 61	Pressure or drainage piping for water supply, chilled water, irrigation, chemical process lines, brine lines, pressure sewers and swimming pool or fountain piping	P 1,2,3	N	P	P
Xirtec® CPVC Schedule 40 & 80	1/4" - 16"	ASTM F441, NSF 14 & 61		P 1,2,3	P 1,2,3	P	P

DRAINAGE SYSTEM⁴

PRODUCT	SIZE RANGE	STANDARDS	APPLICATIONS	ABOVE GROUND	UNDERGROUND	BUILDING
				INSIDE BUILDING	UNDER BUILDING	SEWER
DWV SYSTEMS						
ABS DWV (Solid Wall)	1-1/4" - 6"	CSA B181.1	Sanitary or storm gravity flow drain, waste and vent (DWV)	P 1,2,3	P	P
ABS DWV (Cell Core)	1-1/2" - 4"	ASTM F628	Sanitary or storm gravity flow drain, waste and vent (DWV)	P 1,2,3	P	P
PVC Building Sewer & Drain Pipe	3" - 6"	CSA B182.1	Building sewer pipe, Septic fields, Perimeter drainage, Landscape drainage	N	P	P
System 15® DWV Pipe	1-1/2" - 24"	CSA B181.2	Sanitary or storm gravity flow drain, waste and vent (DWV)	P 1,2,3	P	P
System XFR® DWV Pipe	1-1/2" - 18"	CSA B181.2	Sanitary or storm gravity flow drain, waste and vent (DWV)	P 1,2,3	P	P
Drain-Guard™ Dual Containment	Drain-Guard is a dual containment piping system using System 15 and or System XFR as its primary components.					

INSIDE BUILDING

PRODUCT	SIZE RANGE	STANDARDS	APPLICATIONS	ABOVEGROUND	UNDERGROUND
				FLUE GAS VENTING	
System 636®	PVC: 1-1/2" - 6" CPVC: 2" - 8"	ULC S636	Flue gas venting for gas-fired appliances, residential or commercial	P 1,2,3	P
FIRE PROTECTION					
BlazeMaster® CPVC	3/4" - 3"	ASTM F437, F438, F439 & F442, FM, NSF 61, ULC	Approved for use in NFPA 13 Light Hazard applications in both new and retrofit construction: High buildings (including apartments and hotels), Schools and institutions and Single-family residences	P 1,2,3	P

APPLICATIONS AS PER 2015 NBC SUITABILITY FOR USE^{1,2,3}

PRODUCT PIPE	NONCOMBUSTIBLE BUILDING			
	GENERAL USAGE	AIR PLENUM	VERTICAL SERVICE SPACE	HIGH BUILDING
AquaRise® CPVC	P	P	N	P
Xirtec® PVC	P*	N	N	N
Xirtec® CPVC	P*	P*	N	P*
ABS DWV	N	N	N	N
System 15® DWV	P=	N	N	N
System XFR® DWV	P	P	N	P
Drain-Guard™ Dual Containment	Drain-Guard is a dual containment piping system using System 15 and or System XFR as its primary components.			
System 636® PVC	P	N	N	N
System 636® CPVC	P	P	N	P
BlazeMaster® CPVC	P	P	N	P

† 24" is not permitted

* Some limitations apply. Contact IPEX for details.

FOOTNOTES:

P = Permitted, N = Not Permitted

- Combustible piping in noncombustible construction is subject to the requirements of 3.1.5.16.(1) of the NBC 2015.
- Combustible piping that penetrates a fire separation is subject to the requirements in articles 3.1.9.1, 3.10.9.6 and 9.10.9.7 of the NBC 2015.
- Products may not be approved for use in a Vertical Service Space, (check the table above or contact IPEX).
- Use of pipe and fittings per the National Plumbing Code of Canada 2015 (Tables A-2.25, 2.26 and 2.27).