

SYSTEM XFR DRAINAGE SYSTEMS

1-1/2" - 12" (40mm - 300mm)

SYSTEM XFR® DWV

Contractors installing DWV pipe in high buildings and plenums had few alternatives to heavy cast iron and copper. IPEX has changed that. System XFR® is the world's first PVC DWV system rated for high buildings and air plenums where the National Building Code mandates more stringent Flame Spread and Smoke Development requirements which previously limited the use of thermoplastic.

Suitable for use in noncombustible environments, System XFR's advanced material has a Flame Spread Rating of 25 and Smoke Developed Classification of 50 which permits it to be installed in High Buildings and Air Return Plenums in accordance with local Codes.

And in addition to its flame and smoke attributes, System XFR delivers all the performance advantages you'd expect from thermoplastic piping.

APPLICATIONS

Drain Waste and Vent Piping in:

- Commercial
- Industrial
- Residential
- Above ground or underground

STANDARDS



CSA B181.2
CAN/ULC S102.2

ADVANTAGES

1 Flame & Smoke

System XFR possesses superior fire- and smoke- retardant capabilities. When tested to the CAN/ULC S102.2 Standard, System XFR achieved a Flame Spread Rating of not greater than 25 and a Smoke Developed Classification of not greater than 50.

2 Code Compliance

Ideal for noncombustible applications, System XFR meets these national and provincial building codes:

- High buildings as defined by NBC article 3.2.6
- Air plenums as defined by NBC article 3.6.4.3
- Noncombustible construction as defined by NBC article 3.1.5
- Penetrating a rated fire separation as defined by NBC article 3.1.9.4.(4)

3 High Impact Resistance

Thanks to its advanced materials, System XFR demonstrates a high impact strength in cold temperatures. Impact-tested at 0 °C and 23 °C, XFR is tough enough to exceed the CSA requirements.

4 Improved Flow

System XFR has a substantially lower roughness factor compared to metal systems, allowing for overall improved flow. It's also made with a larger inside diameter which provides a greater cross-sectional area for flow and raises both carrying capacity and flow rates. This feature gives engineers the versatility to design smaller, compact systems that can still handle the necessary flow rates.

5 Lower Thermal Conductivity

System XFR sweats less than metal pipe due to its excellent insulating properties. As a result, XFR can reduce — and in many cases, eliminate — the need for insulation.

6 Comparable Noise Attenuation

In real world sound tests performed on constructed buildings, IPEX DWV systems have proven to provide comparable noise attenuation when compared to cast iron from drainage flow. Numerous installations from schools to hospitals and nursing homes have been plumbed with these IPEX drainage systems, all proving that in these critical installations the IPEX systems measure up in terms of sound transfer.





DID YOU KNOW?

SYSTEM XFR — the world’s first uncoated PVC rated for high buildings and plenums where tighter fire and smoke regulations have previously limited the use of thermoplastic.

Suitable for use in noncombustible environments, System XFR’s advanced material meets all fire-resistance and smoke development codes. Its revolutionary fire-retardant properties virtually eliminate flame spread and reduce the volume of smoke generated.

SHORT FORM SPECIFICATIONS

SYSTEM XFR DWV PIPE AND FITTINGS

IPEX System XFR Drain, Waste and Vent pipe and fittings shall be certified to CSA B181.2 and when used in noncombustible construction, high buildings and air plenums, they shall be tested and listed in accordance with CAN/ULC S102.2 and clearly marked with the certification logo indicating a Flame Spread Rating not more than 25 and a Smoke Developed Classification not exceeding 50.

System XFR® pipe and fittings have been tested and certified by CSA to the CSA B181.2 standard. System XFR pipe and fittings are listed with ITS (Warnock Hersey) to exhibit Flame and Smoke values as per CAN/ULC S102.2-10.

Test Results

ITS (Warnock Hersey) conducted the testing in accordance with CAN/ULC S102.2 test standard. The following table summarizes the results of these tests.

Component	Flame Spread Rating	Smoke-Developed Classification
System XFR®		
Pipe	≤ 25	≤ 50
Fittings	≤ 25	≤ 50
Fabricated PVC fittings with XFR Coating	≤ 25	≤ 50

PRODUCT SELECTION CHART - SYSTEM XFR

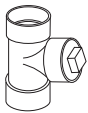
Dimension		Product Code
inches	mm	

System XFR DWV Pipe



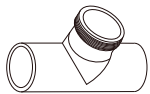
1-1/2	40	110067
2	50	110068
3	75	110069
4	100	110070
6	150	110071
8	200	110072
10	250	110073
12	300	110074

Line Cleanout H x H x Gasket Plug



1-1/2	40	526040
2	50	526041
3	75	526103
4	100	526104
4 x 3 x 4	100 x 75 x 100	526105
6	150	526161
8	200	526162
10	250	526163
12	300	526164

Line Cleanout Sp x Sp x Threaded Plug



8 200

526766
FOR USE WITH
MJ GREY™

Plug Cleanout MPT with gasket



1-1/2	40	526401
2	50	526402
3	75	526403
4	100	526404
6	150	526405

Fitting Cleanout Sp x FPT



1-1/2	40	526042
2	50	526046
3	75	526047
4	100	526048
6	150	426050

Fitting Cleanout Sp x Gasket Plug



1-1/2	40	526345
2	50	526346
3	75	526347
4	100	526348
6	150	526349

Dimension		Product Code
inches	mm	

Tube End Cleanout H x Gasket Plug



1-1/2	40	526291
2	50	526298
3	75	526299
4	100	526300

Tube End Cleanout H x Bolted Cover



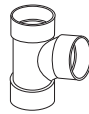
8	200	526000
10	250	526001
12	300	526002

Fitting Cleanout Sp x Bolted Cover



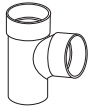
8	200	526140
10	250	526141
12	300	526142

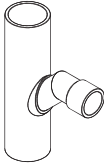
Sanitary Tee H x H x H

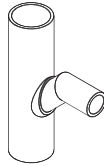


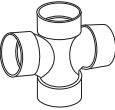
1-1/2	40	526081
2	50	526082
2 x 1-1/2 x 1-1/2	50 x 40 x 40	526058
2 x 1-1/2 x 2	50 x 40 x 50	526057
2 x 1-1/2	50 x 40	526056
3	75	526083
3 x 1 1/2	75 x 40	526061
3 x 2	75 x 50	526060
4	100	526084
4 x 2	100 x 50	526064
4 x 3	100 x 75	526066
6	150	526377
6 x 4	150 x 100	526385
8	200	526810
8 x 4	200 x 100	526808
8 x 6	200 x 150	526809
10	250	526814
10 x 4	250 x 100	526811
10 x 6	250 x 150	526812
10 x 8	250 x 200	526813
12	300	526819
12 x 4	300 x 100	526815
12 x 6	300 x 150	526816
12 x 8	300 x 200	526817
12 x 10	300 x 250	526818
14 x 4	350 x 100	526820
14 x 6	350 x 150	526821
16 x 4	400 x 100	526826
16 x 6	400 x 150	526827
18 x 4	450 x 100	526833
18 x 6	450 x 150	526834

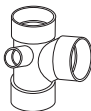
PRODUCT SELECTION CHART - SYSTEM XFR

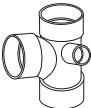
	Dimension		Product Code
	inches	mm	
	Sp x H x H		
	1-1/2	40	526550
	3 x 1-1/2	75 x 40	526552
	4	100	426557

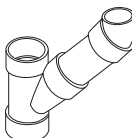
	Dimension		Product Code
	inches	mm	
	Sp x Sp x H		
	8 x 4	200 x 100	526926
	8 x 6	200 x 150	526998
	10 x 4	250 x 100	526997
	10 x 6	250 x 150	526758
	12 x 4	300 x 100	526761
	12 x 6	300 x 150	526762

	Dimension		Product Code
	inches	mm	
	Sp x Sp x Sp		
	8	200	526999
	10 x 8	250 x 200	526759
	10	250	526760
	12 x 8	300 x 200	526763
	12 x 10	300 x 250	526764
	12	300	526765

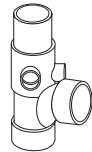
	Dimension		Product Code
	inches	mm	
	H x H x H x H		
	1-1/2	40	526542
	2	50	526543
	2 x 1-1/2	50 x 40	526547
	3	75	526544
	3 x 1-1/2	75 x 40	526538
	3 x 2	75 x 50	426539

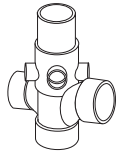
	Dimension		Product Code
	inches	mm	
	(left hand) H x H x H x H SI		
	3 x 3 x 3 x 1-1/2	75 x 75 x 75 x 40	526395
	3 x 3 x 3 x 2	75 x 75 x 75 x 50	526396


	Dimension		Product Code
	inches	mm	
	(right hand) H x H x H SI x H		
	3 x 3 x 3 x 1-1/2	75 x 75 x 75 x 40	526397
	3 x 3 x 3 x 2	75 x 75 x 75 x 50	526398


	Dimension		Product Code
	inches	mm	
	H x x H x Sp		
	3	75	526006


Dimension		Product Code
inches	mm	


	Dimension		Product Code
	inches	mm	
	H x Sp x H		
	3	75	526007

	Dimension		Product Code
	inches	mm	
	H x Sp x H x H		
	3	75	526008

	Dimension		Product Code
	inches	mm	
	H x H		
	1-1/2	40	526121
	1-1/2 L	40 L	426024
	2	50	526035
	2 L	50 L	526122
	3	75	526025
	3 L	75 L	526123
	4	100	526124
	6	150	526125
	8	200	526126
	10	250	526127
	12	300	526128
	14	350	526129
16	400	526130	
18	450	526131	

	Dimension		Product Code
	inches	mm	
	Sp x H		
	1-1/2	40	526231
	2	50	526232
	3	75	526233
	4	100	526234
	6	150	526235
	8	200	526236
	10	250	526237
	12	300	526238
	14	350	526135
	16	400	526136
18	450	526137	

	Dimension		Product Code
	inches	mm	
	Sp x Sp		
	8	200	526967
	10	250	526968
	12	300	526970

	Dimension		Product Code
	inches	mm	
	Closet Bend Reducing	Sp x H	
	4 x 3	100 x 75	426026