



SUBMITTAL DATA SHEET	
NI_G_IN_00004	- 6

NIRON CLIMA PIPE PP-RCT SDR17

ITEM	27TNIRCL_17
SIZE RANGE	2" (63 mm) ÷ 24" (630 mm)
SDR	17
MATERIAL	Material shall be β -crystalline PP-RCT and solid grey in color having a cell classification of PP0220B56832 according to ASTM F4101 and shall be coextruded with a POWERCORE middle layer containing added fiberglass.
DESING TYPE A	2" (63 mm) ÷ 24" (630 mm) ▪ Inner Layer: Solid PP-RCT ▪ Powercore Layer: PP-RCT w/added fiberglass ▪ Outer Layer: Solid PP-RCT



COLOR Steel Grey

INSTALLATION INSTRUCTIONS

In accordance with DVS 2207, ASTM D2657 and NUPI Niron Installation Manual.

LISTINGS

NSF PW; ANSI/NSF 14; ANSI/NSF 61; ANSI/NSF 51; UPC; IPC; IAPMO; ICC-ES; CAN/UCL S102; CAN/UCL S115*

STANDARDS

ANSI/NSF 14; ANSI/NSF 61; ASTM F2389; ASTM F2023; CSA B137,11; ASTM E-84***; CAN/ULC S102***; NSF 51; ISO 15874

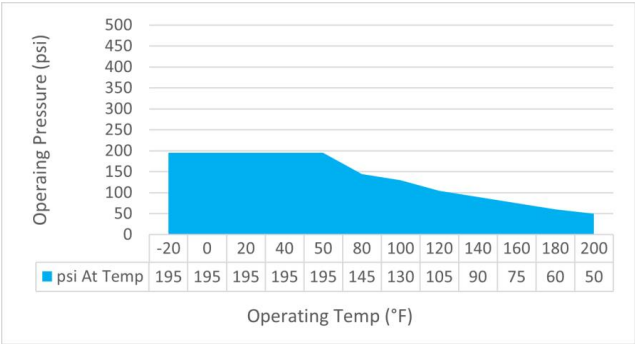
MAXIMUM OPERATING PRESSURE

LINEAR EXPANSION RATE

0.23 in /10°F/100 ft

R-VALUE

hr-ft2-°F/BTU



For code or standard question pertaining to NIRON CLIMA Pipe and Fittings, contact Nupi Americas.

PRODUCT INFORMATION AND APPLICATION USE

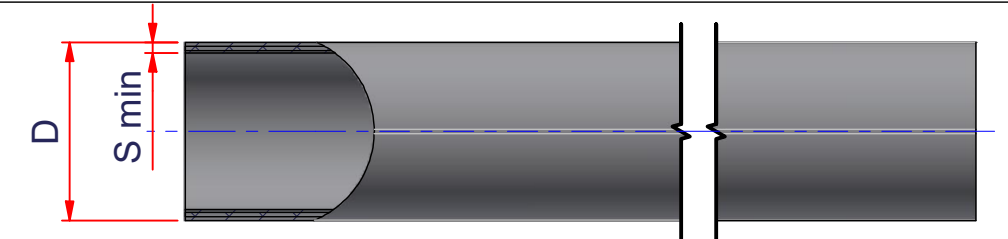
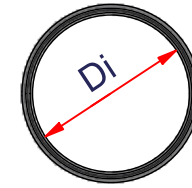
Niron Clima Pipe is designed to be joined with socket fusion, butt-fusion, electrofusion, electrolet fusion, and instabranh fusion in accordance with the above listed installation instructions. Pipe is of extruded PP-RCT material, containing triple layers PP-RCT with the center layer consisting of a powercore™ fiberglass ring which limits thermal expansion. Dimensions of the pipe are in accordance with ASTM F2389. Pressure rating of the pipe is temperature dependent and noted in the above pressure rating table.

MANUFACTURER’S WARRANTY

Thirty (30) Years from the date of sale upon successful completion of pressure test of the piping system (refer to published warranty for complete details).

NOTE

* CAN/UCL S115 systems that are listed for use with Niron are manufactured by others (firestop manufacturers other than Nupi). Specific systems to be used depend on the diameter and wall thickness, wall or ceiling type and the number of rated hours required for the specific installation.
** For Niron pipe and fittings to meet E-84 for installation in a plenum application, it must be covered with a minimum of 1" or greater E-84 rated fiberglass insulation.
*** For Niron pipe and fittings to meet CAN/ULC S102.2 for installation in a plenum application, it must be covered with a minimum of 1" or greater E-84 rated fiberglass insulation.
**** Technical Data may undergo dimensional changes, check revision at the top of the submittal sheet to be sure that this is the latest version.



CODE	SDR	ND	D	S	Di	Lenght ft	Weight lbs/ft	Volume ft³
27TNIRCL6317	17	2" => 63 mm	2.48	0.15	2.18	20	0.48	0.5225
27TNIRCL6317S40	17	2" => 63 mm	2.48	0.15	2.18	40	0.48	1.0449
27TNIRCL7517	17	2 1/2" => 75 mm	2.95	0.18	2.6	20	0.69	0.7405
27TNIRCL7517S40	17	2 1/2" => 75 mm	2.95	0.18	2.6	40	0.69	1.4809
27TNIRCL9017	17	3" => 90 mm	3.54	0.21	3.12	20	0.98	1.0663
27TNIRCL9017S40	17	3" => 90 mm	3.54	0.21	3.12	40	0.98	2.1325
27TNIRCL11017	17	3 1/2" => 110 mm	4.33	0.26	3.81	20	1.45	1.5928
27TNIRCL11017S40	17	3 1/2" => 110 mm	4.33	0.26	3.81	40	1.45	3.1856
27TNIRCL12517	17	4" => 125 mm	4.92	0.29	4.34	20	1.86	2.0568
27TNIRCL12517S40	17	4" => 125 mm	4.92	0.29	4.34	40	1.86	4.1136
27TNIRCL16017	17	6" => 160 mm	6.3	0.37	5.55	20	3.04	3.3699
27TNIRCL16017S40	17	6" => 160 mm	6.3	0.37	5.55	40	3.04	6.7398
27TNIRCL20017	17	8" => 200 mm	7.87	0.47	6.94	20	4.74	5.2654
27TNIRCL20017S40	17	8" => 200 mm	7.87	0.47	6.94	40	4.74	10.5309
27TNIRCL25017	17	10" => 250 mm	9.84	0.58	8.68	20	7.32	8.2272
27TNIRCL25017S40	17	10" => 250 mm	9.84	0.58	8.68	40	7.32	16.4545
27TNIRCL31517	17	12" => 315 mm	12.4	0.74	10.93	20	11.6	13.0616
27TNIRCL31517S40	17	12" => 315 mm	12.4	0.74	10.93	40	11.6	26.1232
27TNIRCL35517	17	14" => 355 mm	13.98	0.83	12.33	20	14.67	16.5894
27TNIRCL35517S40	17	14" => 355 mm	13.98	0.83	12.33	40	14.67	33.1788
27TNIRCL40017	17	16" => 400 mm	15.75	0.93	13.4	20	18.55	21.0618
27TNIRCL40017S40	17	16" => 400 mm	15.75	0.93	13.4	40	18.55	42.1235
27TNIRCL45017	17	18" => 450 mm	17.72	1.05	15.61	20	23.41	26.6563
27TNIRCL45017S40	17	18" => 450 mm	17.72	1.05	15.61	40	23.41	53.3126
27TNIRCL50017	17	20" => 500 mm	19.69	1.17	17.35	20	28.83	32.909
27TNIRCL50017S40	17	20" => 500 mm	19.69	1.17	17.35	40	28.83	65.818
27TNIRCL56017	17	22" => 560 mm	22.05	1.31	19.43	20	35.97	41.281
27TNIRCL56017S40	17	22" => 560 mm	22.05	1.31	19.43	40	35.97	82.5621
27TNIRCL63017	17	24" => 630 mm	24.8	1.47	21.86	20	45.43	52.2463
27TNIRCL63017S40	17	24" => 630 mm	24.8	1.47	21.86	40	45.43	104.4926



NIRON

ITEM:
TNIRCL_17

C:\Vault_Temp\Disegni\Schede Tecniche\00_Inches\Niron Grey\Multilayer
Pipes\NI10732.dwg

DESC: NIRON CLIMA PP-RCT PIPE
SDR 17



DRAWING No:

NI10169

SHEET OF REV.

1 1 -2