

Niron Beta PP-RCT Pipe and Fittings

All pipe and fittings listed below must be completely separated by non-removable, fire-resistant barriers from any area protected by the system. A non-removable barrier cannot be removed without substantial cosmetic damage. A fire-resistant barrier has a minimum fire rating of 1 hour when tested per ASTM E 119, or 15 minutes if the installation conditions meet the applicable requirements in FM Property Loss Prevention Data Sheet 2-0, *Installation Guidelines for Automatic Sprinklers*. Except for minimal exposure at a sprinkler connection, the intent is that the sprinkler system will not be directly exposed to fire.

Product Specification

Model No	Product Description	Nominal Pipe Size, mm	Rated Working Pressure		Remarks
			bar	(psi)	
Niron Clima Beta	Pipe, DR 7.4	25, 32, 40, 50, 63, 75, 90, 110, 125	12.1	(175)	f, g
Niron Clima Beta	Pipe, DR 9	32	12.1	(175)	f, g
Niron Clima Beta	Pipe, DR 11	40, 50, 63, 75, 90, 110, 125	12.1	(175)	f, g
27NCCxx	End Cap	25, 32, 40, 50, 63, 75, 90, 110, 125	12.1	(175)	a
27NGxx	90° Elbow	25, 32, 40, 50, 63, 75, 90, 110, 125	12.1	(175)	a
27NG9073xxMM	90° Long Spigot Elbow	63, 75, 90, 110, 125	12.1	(175)	a
27NGMFxx	90° Male/Female Elbow	25, 32, 40	12.1	(175)	a
27NC45xx	45° Elbow	25, 32, 40, 50, 63, 75, 90, 110, 125	12.1	(175)	a
27CM4573xxMM	45° Long Spigot Elbow	63, 75, 90, 110, 125	12.1	(175)	a
27NMANxx	Coupling	25, 32, 40, 50, 63, 75, 90, 110, 125	12.1	(175)	a
27NGFxxxyNPT	90° Elbow, Threaded Outlet (socket x FNPT)	25 x 1/2, 3/4 in. 32 x 1/2, 3/4, 1 in. 40 x 1 in. 50 x 1-1/4, 1-1/2 in. 63 x 1-1/2, 2 in.	12.1	(175)	a, b
27NGFxxxyL	90° Elbow, Threaded Outlet (socket x FBSPT)	25 x 1/2, 3/4 in. 32 x 1/2, 3/4, 1 in. 40 x 1 in. 50 x 1-1/4, 1-1/2 in. 63 x 1-1/2, 2 in.	12.1	(175)	a, b

27NGMxxyyNPT	90° Elbow, Threaded Outlet (socket x MNPT)	25 x 1/2, 3/4 in. 32 x 1/2, 3/4, 1 in.	12.1	(175)	a, b
27NGMxxyyL	90° Elbow, Threaded Outlet (socket x MBSPT)	25 x 1/2, 3/4 in. 32 x 1/2, 3/4, 1 in.	12.1	(175)	a, b
27NRxxzz	Reducer, Concentric	32 x 25 40 x 25 50 x 25, 32, 40 63 x 25, 32, 40, 50 75 x 25, 32, 40, 50, 63 90 x 63, 75 110 x 63, 75, 90 125 x 90, 110	12.1	(175)	a, c
27NRxxzz73MM	Long Spigot Reducer, Concentric	63 x 40, 50 90 x 63, 75 110 x 63, 75, 90 125 x 63	12.1	(175)	a, c
27NRFFxxyyNPT	Female Threaded Adapter (socket x FNPT)	25 x 1/2, 3/4 in. 32 x 3/4, 1 in. 40 x 1, 1-1/4 in. 50 x 1-1/4, 1-1/2 in. 63 x 1-1/2, 2 in. 75 x 2, 2-1/2 in. 90 x 3 in. 110 x 4 in. 125 x 4 in.	12.1	(175)	a, b
27NRFFCxyyNPT	Female Threaded Adapter (socket x FNPT)	25 x 1/2, 3/4 in. 32 x 1 in.	12.1	(175)	a, b
27NRFFxxyyL	Female Threaded Adapter (socket x FBSPT)	25 x 1/2, 3/4 in. 32 x 3/4, 1 in. 40 x 1, 1-1/4 in. 50 x 1-1/4, 1-1/2 in. 63 x 1-1/2, 2 in. 75 x 2, 2-1/2 in. 90 x 3 in. 110 x 4 in. 125 x 4 in.	12.1	(175)	a, b
27NRFMxxyyNPT	Male Threaded Adapter (socket x MNPT)	25 x 1/2, 3/4 in. 32 x 3/4, 1 in. 40 x 1, 1-1/4 in. 50 x 1-1/4, 1-1/2 in. 63 x 1-1/2, 2 in. 75 x 2, 2-1/2 in. 90 x 3 in. 110 x 4 in.	12.1	(175)	a, b

		125 x 4 in.			
27NRFMCxxyyNPT	Male Threaded Adapter (socket x MNPT)	25 x 1/2, 3/4 in. 32 x 1 in.	12.1	(175)	a, b
27NRFMxxyyL	Male Threaded Adapter (socket x MBSPT)	25 x 1/2, 3/4 in. 32 x 3/4, 1 in. 40 x 1, 1-1/4 in. 50 x 1-1/4, 1-1/2 in. 63 x 1-1/2, 2 in. 75 x 2, 2-1/2 in. 90 x 3 in. 110 x 4 in. 125 x 4 in.	12.1	(175)	a, b
27NTxx	Tee, Equal	25, 32, 40, 50, 63, 75, 90, 110, 125	12.1	(175)	a
27NT73xxMM	Long Spigot Tee, Equal	63, 75, 90, 110, 125	12.1	(175)	a
27NTRxxaazz	Tee, Reducing	25 x 25 x 32 32 x 25 x 25, 32 32 x 32 x 25 40 x 40 x 25, 32 50 x 50 x 25, 32, 40 63 x 63 x 25, 32, 40, 50 75 x 75 x 32, 40, 50, 63 90 x 90 x 63, 75 110 x 110 x 63, 75, 90 125 x 125 x 75, 90, 110	12.1	(175)	a, c, d
NTR73xxzzFxx	Tee, Reducing, Female Side Fusion (All Socket, M x M x F)	90 x 90 x 40, 50 110 x 110 x 40, 50, 63 125 x 40, 50, 63, 75	12.1	(175)	a, d
27NTFxxyyNPT	Tee, Female Threaded Outlet (socket x socket x FNPT)	25 x 1/2, 3/4 in. 32 x 1/2, 3/4, 1 in.	12.1	(175)	a, b
27NTFxxyyL	Tee, Female Threaded Outlet (socket x socket x FBSPT)	25 x 1/2, 3/4 in. 32 x 1/2, 3/4, 1 in.	12.1	(175)	a, b
27NTMxxyyNPT	Tee, Male Threaded Outlet (socket x socket x MNPT)	25 x 1/2, 3/4 in. 32 x 1/2, 3/4, 1 in.	12.1	(175)	a, b
27NTMxxyyL	Tee, Male Threaded Outlet (socket x socket x MBSPT)	25 x 1/2, 3/4 in. 32 x 1/2, 3/4, 1 in.	12.1	(175)	a, b

27NGSxxbb	Weld-In Saddle	40 x 25 50 x 25 63/75 x 25, 32 90/110/125 x 25, 32 90 x 40, 50 110 x 40, 50, 63 125 x 40, 50, 63	12.1	(175)	a, e
27NGSFCyybbL	Weld-In Saddle, Threaded Outlet (FNPT)	40/50 x 1/2, 3/4 in. 63/75 x 1/2, 3/4, 1 in. 90/110/125 x 1/2, 3/4, 1 in. 90 x 1-1/4, 1-1/2 in. 110 x 1-1/4, 1-1/2, 2 in. 125 x 1-1/4, 1-1/2, 2 in.	12.1	(175)	b, e
27NGSFyybbL	Weld-In Saddle, Threaded Outlet (FBSPT)	40/50 x 1/2, 3/4 in. 63/75 x 1/2, 3/4, 1 in. 90/110/125 x 1/2, 3/4, 1 in.	12.1	(175)	b, e
27NCRTxx73	Flange Adapter, Long Spigot (Stub End)	32, 40, 50, 63, 75, 90, 110, 125	12.1	(175)	a

- a. The letters "xx" are a placeholder in the model number for the nominal size in mm. The size may be two or three digits.
- b. The letters "yy" are a placeholder in the model number for the nominal size of a threaded outlet in fractional inches (e.g., 114 = 1-1/4 inch). The size may be two or three digits.
- c. The letters "zz" are a placeholder in the model number for the nominal size of the outlet of a reducing fitting. The size may be two or three digits.
- d. The letters "aa" are a placeholder in the model number for the nominal size of the reduced branch of a reducing tee.
- e. The letters "bb" are a placeholder in the model number for the nominal size or sizes of the branch line to which a weld saddle may be fused. Multiple sizes appear in succession with no delimiter (e.g., a model 27NGS weld saddle with a 25 mm outlet that is compatible with 90, 110, or 125 mm branch sizes has the designation 27NGS2590110125).
- f. Pipe available in solid grey color and grey with red striping.
- g. FM Approval of pipe is not restricted to any specific length or range of lengths.

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Listing Country:	Italy
Certification Type:	FM Approved
Class of Work:	1635-Plastic Pipe & Ftngs AS Sys