



Pipes/Fittings/Couplings | Aboveground Pipe and Fittings | Plastic Pipe and Fittings

Niron Beta PP-RCT Pipe and Fittings

Product Description

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 Global 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) | |
| 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 |
| 27NGFxxyyL | 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 |
| 27NGMxxxyNPT | 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 |



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| Model No | Product Description | Nominal Pipe Size, mm | Rated Working Pressure | | Remarks |
|---------------|--|--|------------------------|-------|---------|
| | | | bar | (psi) | |
| 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 |
| 27NRFFxxyNPT | 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. 125 x 4 in. | 12.1 | (175) | a, b |
| 27NRFCxxyyNPT | Male Threaded Adapter (socket x MNPT) | 25 x 1/2, 3/4 in. 32 x 1 in. | 12.1 | (175) | a, b |



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| Model No | Product Description | Nominal Pipe Size, mm | Rated Working Pressure | | Remarks |
|--------------|---|---|------------------------|-------|---------|
| | | | bar | (psi) | |
| 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 |
| 27NTFxyyNPT | 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 |
| 27NTFxyyL | 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 |



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| Model No | Product Description | Nominal Pipe Size, mm | Rated Working Pressure | | Remarks |
|-------------|---|---|------------------------|-------|---------|
| | | | bar | (psi) | |
| 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 maybe 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).

Details

| | |
|---------------------------|---|
| Category | Plastic Pipe and Fittings |
| Class of Work | 1635 - Plastic Pipe & Ftngs AS Sys |
| Approval Standard | FM 1635 - Plastic Pipe and Fittings for Automatic Sprinkler Systems |
| Certification Type | FM Approved |
| Listing Country | Italy |

Company

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