

# SUBMITTAL DATA SHEET

NI\_G\_IN\_00042.docx  
Rev. -0 of 08/09/2023



## NIRON CLIMA BUTT FUSION FITTING 90° ELBOW LONG SPIGOT SDR 17



|               |                                                                |
|---------------|----------------------------------------------------------------|
| ITEM:         | 27NG9017_MM                                                    |
| SIZE RANGE:   | 2" (63 mm) ÷ 24" (630 mm)                                      |
| SDR:          | 17                                                             |
| FUSION RANGE: | For Butt Fusion – SDR17<br>For Electrofusion – SDR17 and up    |
| MATERIAL:     | PP-RCT (Borealis RA 7050 beta crystalline random copolymer PP) |
| COLOR:        | Steel Grey                                                     |

### INSTALLATION INSTRUCTIONS:

Butt fusion - Butt fitting in accordance with DVS 2207, ASTM D2657 and NUPI Niron Installation Manual

Electrofusion - Electrofusion in accordance with ASTM D2657 and NUPI Niron Installation Manual

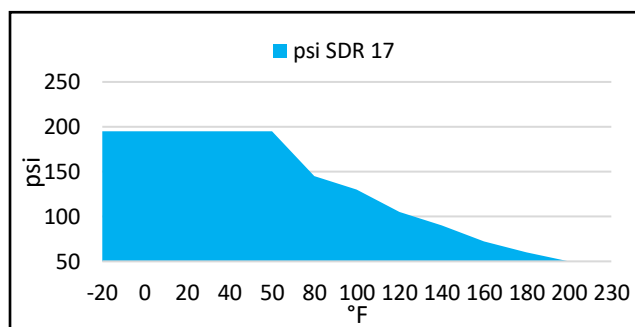
### LISTINGS:

NSF PW; ANSI/NSF 14; ANSI/NSF 61; ANSI/NSF 51; UPC; IPC; IAPMO; ICC-ES

### 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:



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

### PRODUCT INFORMATION AND APPLICATION USE:

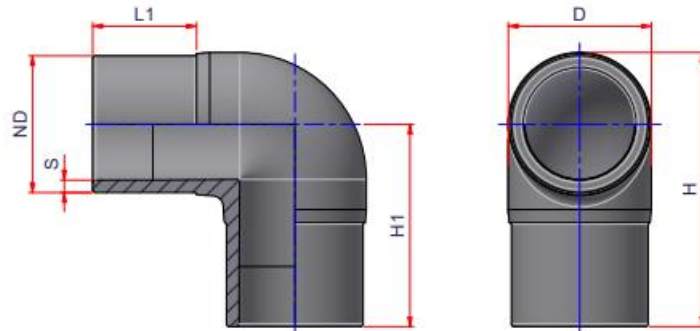
Niron Butt Fusion Fittings is designed to be joined by means of heat element butt fusion or electrofusion in accordance with the above listed installation instructions. Fittings are manufactured with extended plain ends on each outlet which a reinforced area in the center of the fitting for strength. The dimensions of the fittings are in accordance with the requirements of ASTM F2389. The fittings are designed to match the wall thickness and pressure ratings of the matching Niron pipe of the same SDR. Fittings are unitary and injection molded and are solid grey in color.



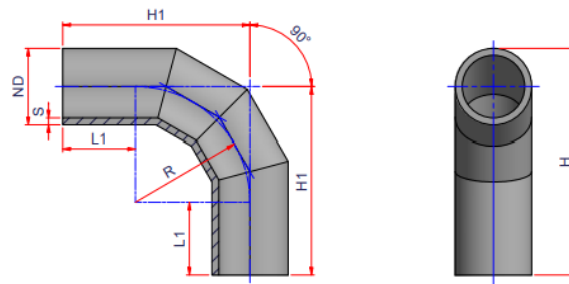
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| CODE          | Weight<br>lbs/pc | Volume<br>ft <sup>3</sup> /pc | ND               | D     | S    | L1   | H1    | H     |
|---------------|------------------|-------------------------------|------------------|-------|------|------|-------|-------|
| 27NG901763MM  | 0.423            | 0.0527                        | 2" => 63 mm      | 2.68  | 0.15 | 2.76 | 4.72  | 6.06  |
| 27NG901775MM  | 0.677            | 0.0774                        | 2 1/2" => 75 mm  | 3.23  | 0.18 | 2.95 | 5.12  | 6.73  |
| 27NG901790MM  | 1.011            | 0.1235                        | 3" => 90 mm      | 3.88  | 0.21 | 3.54 | 5.85  | 7.76  |
| 27NG9017110MM | 1.854            | 0.1897                        | 3 1/2" => 110 mm | 4.8   | 0.26 | 3.43 | 6.1   | 8.7   |
| 27NG9017125MM | 2.293            | 0.2758                        | 4" => 125 mm     | 5.16  | 0.29 | 3.74 | 7.24  | 9.84  |
| 27NG9017160MM | 4.852            | 0.5188                        | 6" => 160 mm     | 6.77  | 0.37 | 4.33 | 8.54  | 11.93 |
| 27NG9017200MM | 8.711            | 0.9008                        | 8" => 200 mm     | 8.38  | 0.47 | 4.61 | 9.84  | 14.06 |
| 27NG9017250MM | 15.319           | 1.6714                        | 10" => 250 mm    | 10.26 | 0.58 | 5.31 | 12    | 17.13 |
| 27NG9017315MM | 30.315           | 3.1259                        | 12" => 315 mm    | 12.99 | 0.74 | 6.69 | 14.37 | 20.87 |



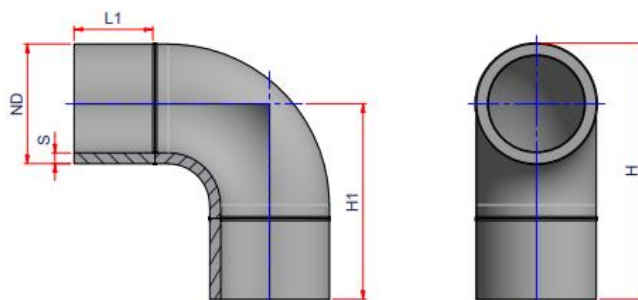
| CODE           | Weight<br>lbs/pc | Volume<br>ft <sup>3</sup> /pc | ND               | S    | L1    | H1    | H     | R    |
|----------------|------------------|-------------------------------|------------------|------|-------|-------|-------|------|
| 27NG901790MMB  | 1.617            | 0.4019                        | 3" => 90 mm      | 0.21 | 5.7   | 12.2  | 14    | 6.5  |
| 27NG9017110MMB | 2.444            | 0.5342                        | 3 1/2" => 310 mm | 0.26 | 5.9   | 12.4  | 14.6  | 6.5  |
| 27NG9017125MMB | 3.306            | 0.7083                        | 4" => 125 mm     | 0.29 | 5.9   | 13.3  | 15.77 | 7.4  |
| 27NG9017160MMB | 6.153            | 1.2476                        | 6" => 160 mm     | 0.37 | 5.9   | 15.35 | 18.5  | 9.4  |
| 27NG9017200MMB | 11.139           | 2.1358                        | 8" => 200 mm     | 0.47 | 5.9   | 17.7  | 21.65 | 11.8 |
| 27NG9017250MMB | 24.227           | 4.9569                        | 10" => 250 mm    | 0.58 | 9.8   | 24.6  | 29.5  | 14.8 |
| 27NG9017315MMB | 48.01            | 9.6138                        | 12" => 315 mm    | 0.74 | 11.81 | 30.4  | 36.6  | 18.6 |
| 27NG9017355MMB | 69.465           | 12.812                        | 14" => 355 mm    | 0.83 | 11.81 | 32.8  | 39.8  | 21   |
| 27NG9017400MMB | 88.226           | 17.0867                       | 16" => 400 mm    | 0.93 | 11.81 | 35.4  | 43.3  | 23.6 |
| 27NG9017450MMB | 112.035          | 22.8799                       | 18" => 450 mm    | 1.05 | 11.81 | 38.4  | 47.24 | 26.6 |
| 27NG9017500MMB | 170.305          | 32.181                        | 20" => 500 mm    | 1.18 | 13.8  | 43.3  | 53.15 | 29.5 |
| 27NG9017560MMB | 228.02           | 42.7728                       | 22" => 560 mm    | 1.31 | 13.8  | 46.85 | 57.9  | 33.1 |
| 27NG9017630MMB | 311.683          | 57.6955                       | 24" => 630 mm    | 1.47 | 13.8  | 51    | 63.4  | 37.2 |



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|----------------|------------------|------------------|---------------|------|------|-------|-------|
| 27NG9017355MMC | 46.994           | 7.8734           | 14" => 355 mm | 0.83 | 7.09 | 24.21 | 31.2  |
| 27NG9017400MMC | 61.736           | 9.8465           | 16" => 400 mm | 0.93 | 7.87 | 25    | 32.87 |
| 27NG9017450MMC | 81.087           | 12.3095          | 18" => 450 mm | 1.05 | 8.66 | 25.79 | 34.65 |
| 27NG9017500MMC | 105.494          | 15.4356          | 20" => 500 mm | 1.17 | 9.84 | 26.97 | 36.81 |

## 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:

\* More information can be found on NIRON TECHNICAL CATALOGUE

\*\*\* In order for Niron pipe and fittings to meet E-84 and/or CAN/ULC S102.2 for installation in a plenum application, it must be covered with a minimum of 1" or greater E-84 fiberglass insulation

\*\*\*\* Technical Data may undergo dimensional changes, check revision at the top



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