



## FURON<sup>®</sup> FLAREGRIP<sup>®</sup> II FITTINGS

INDUSTRY STANDARD  
FINE FLARE THREAD

The Furon FlareGrip II fitting line utilizes injection molding and a premium grade of high purity PFA. The product line covers the common range of tubing sizes used in the Micro E industry and a wide array of standard configurations are available from stock for immediate shipment. Furon products are available through the Saint-Gobain organization & our worldwide distribution network.

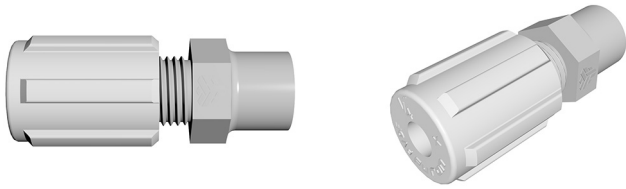
### APPLICATIONS

The Furon FlareGrip II fittings offers the perfect fitting solution and superior performance for transfer, recirculation, dispensing and bulk delivery for the Semiconductor, Photovoltaic, Chemical processing, or any industry where high-purity and chemical resistance is a must.

### FEATURES AND BENEFITS

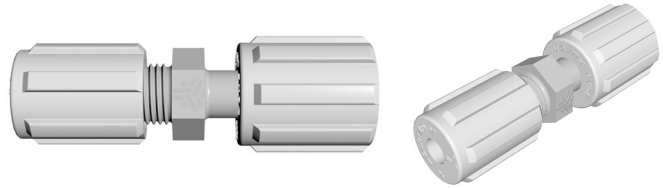
- Molded from virgin premium high-purity PFA
- Ideally used with Furon HP PFA 400 Tubing
- Male Flare & Female Flare
- Large variety of configuration:
  - Tee
  - Cap
  - Reducer
  - Elbow
- Transition fitting to other connection style:
  - NPT connections
  - FuseBond™ connections
- Double bagged in Cleanroom
- Nuts available in different type of material to fit your exact need, among the most commonly manufactured:
  - PFA
  - ETFE
  - PVDF

## STRAIGHT FLAREGRIP II FITTING LINE



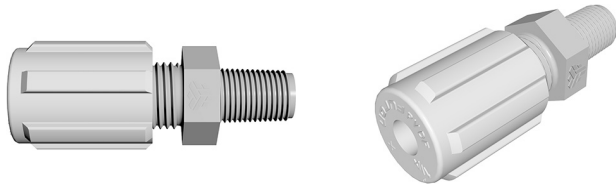
**UAF**  
Union Adapter Female

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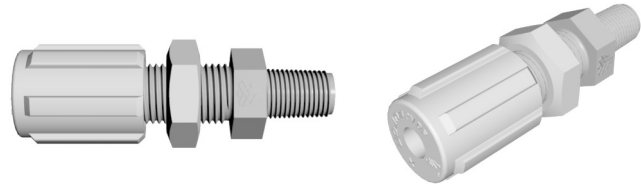
**UAFF**  
Union Adapter Female Flare

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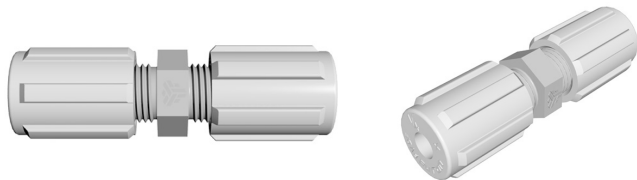
**UAM**  
Union Adapter Male

Page 10



**UAMP**  
Union Adapter Male Panel

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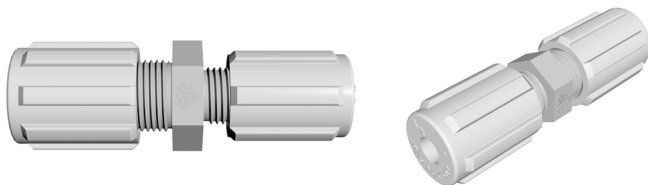
**SU**  
Straight Union

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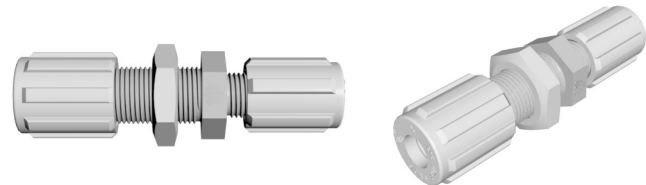
**SUP**  
Straight Union Panel

Page 14



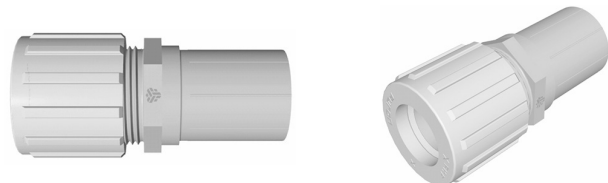
**SUR**  
Straight Union Reducer

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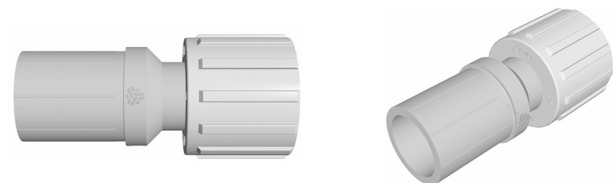
**SUPR**  
Straight Union Panel Reducer

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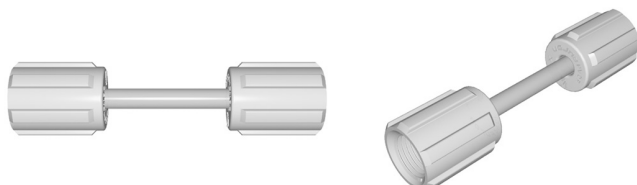
**UA (FuseBond™)**  
Union Adapter

Page 12



**UAFF (FuseBond™)**  
Union Adapter Female Flare

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**STU**  
Straight Tube Union

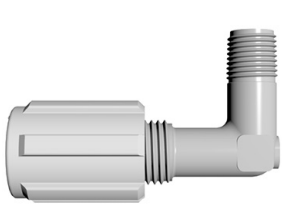
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### NOTES

All fittings are class 100 cleanroom assembled and double bagged.

All pipe ends are manufactured to standard schedule 40 pipe dimensions.

## ELBOW AND NUT FLAREGRIP II FITTING LINE



**EAM**  
Elbow Adapter Male

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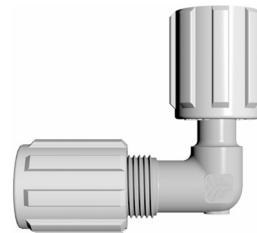
**ETAFF**  
Elbow Tube Adapter  
Female Flare

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**UE**  
Union Elbow

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**UEFF**  
Union Elbow Female Flare

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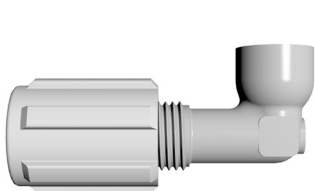
**ETA**  
Elbow Tube Adapter

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**PVDF | ETFE | PFA**  
Nut

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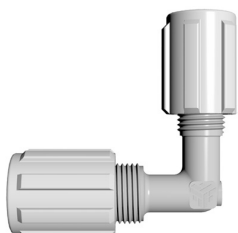
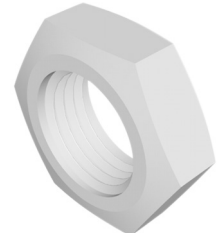
**EAF**  
Elbow Adapter Female

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**PVDF**  
Panel Nut

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**UER**  
Union Elbow Reducer

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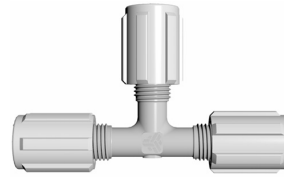
## TEE FLAREGRIP II FITTING LINE



**UTFF I**  
Union Tee Female Flare I



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**UT**  
Union Tee



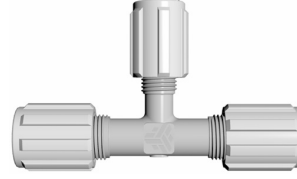
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**UTFF III**  
Union Tee Female Flare III



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**UTR**  
Union Tee Reducer



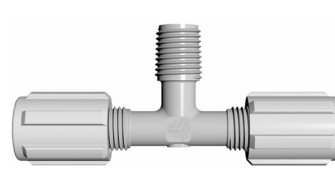
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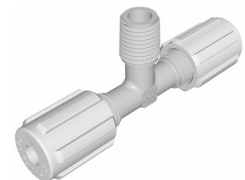
**UTRFF I**  
Union Tee Reducer  
Female Flare



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**MBT**  
Male Branch Tee



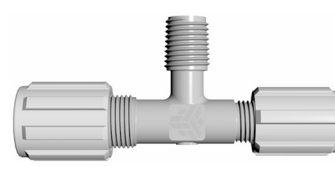
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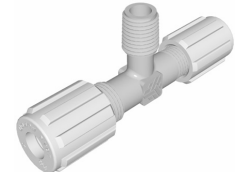
**UTRFF II**  
Union Tee Reducer  
Female Flare II



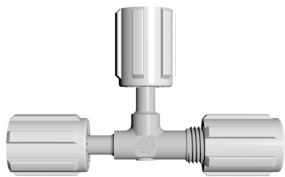
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**MBTR**  
Male Branch Tee Reducer



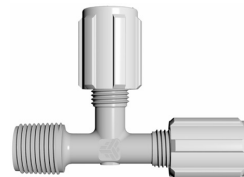
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**UTRFF III**  
Union Tee Reducer  
Female Flare III



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**MRT**  
Male Run Tee



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**BTFF (FuseBond™)**  
Branch Tee Female Flare



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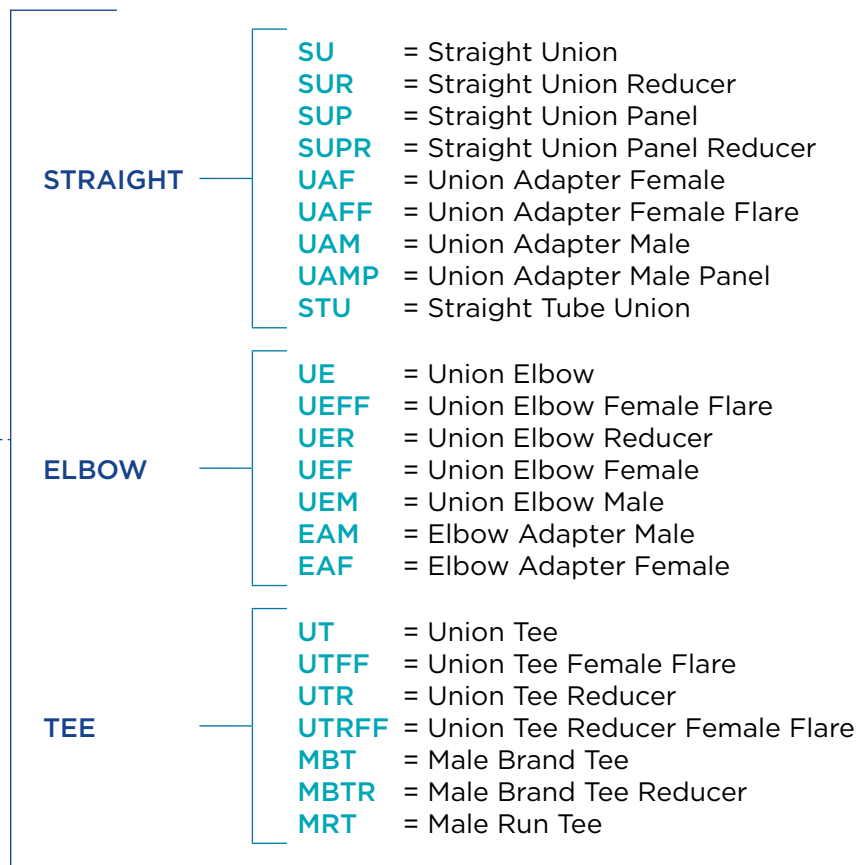
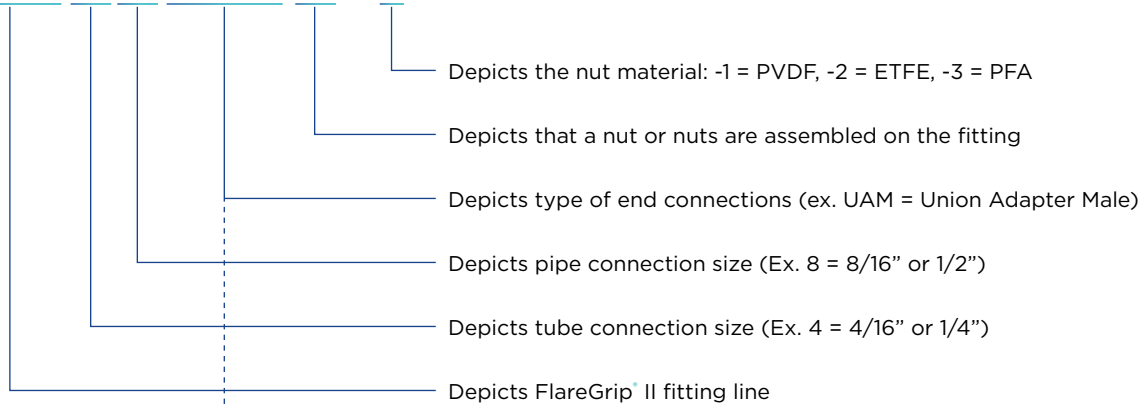
**BT**  
Branch Tee



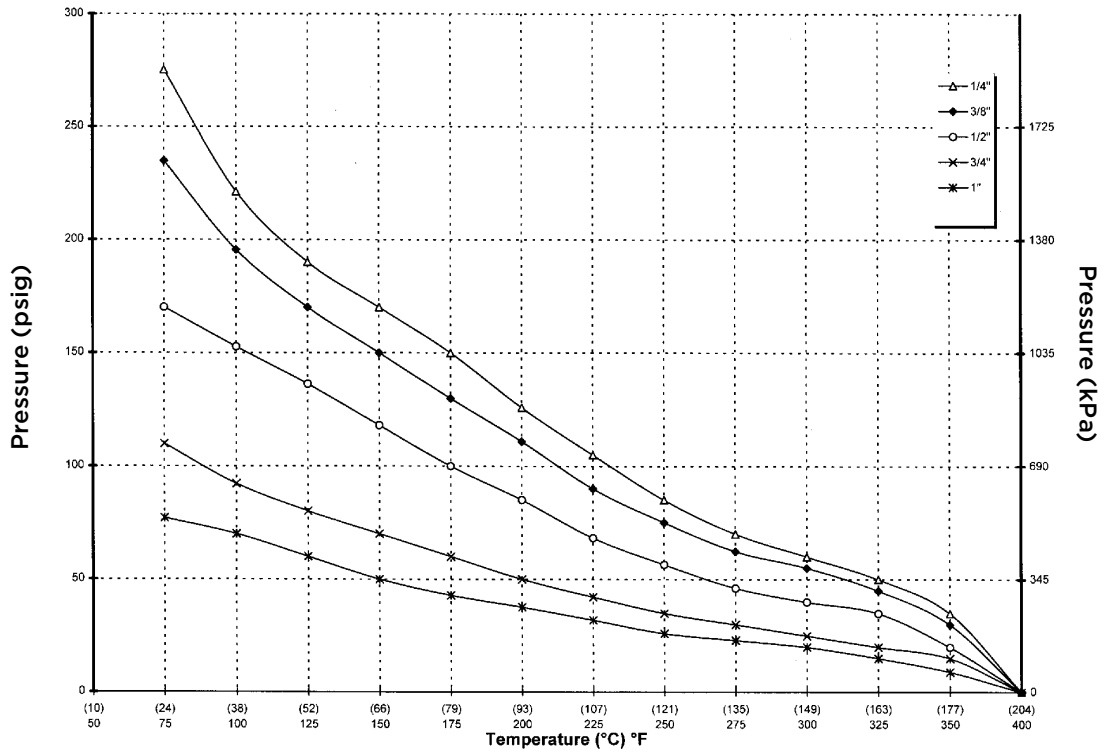
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## NOMENCLATURE

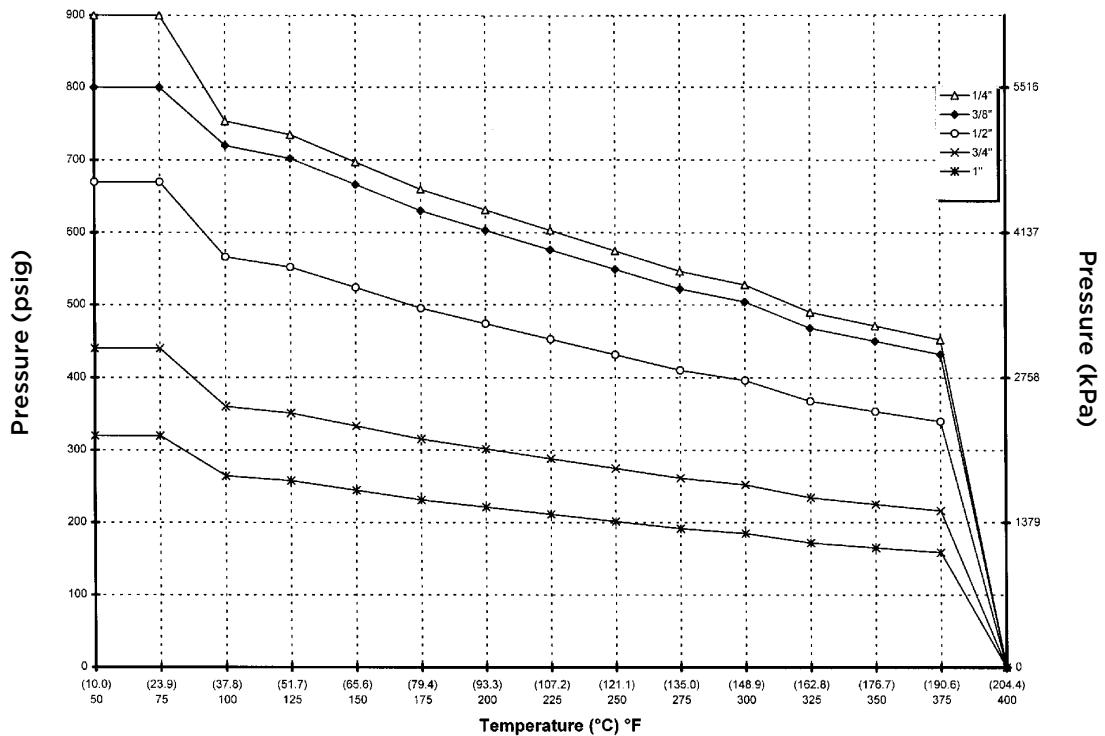
### FMF 4 8 UAM N - 1



## FINE THREAD FLARE MAX OPERATING PRESSURE



## FINE THREAD FLARE BURST PRESSURE



## MAXIMUM OPERATING PRESSURE VS. TEMPERATURE

### PFA TUBING

| Temperature |     | 1/4" |      | 3/8" |      | 1/2" |      | 3/4" |     | 1"  |     |
|-------------|-----|------|------|------|------|------|------|------|-----|-----|-----|
| °F          | °C  | psi  | kPa  | psi  | kPa  | psi  | kPa  | psi  | kPa | psi | kPa |
| 75          | 24  | 275  | 1896 | 235  | 1620 | 170  | 1172 | 110  | 758 | 77  | 531 |
| 200         | 93  | 130  | 896  | 115  | 793  | 85   | 586  | 55   | 379 | 40  | 276 |
| 250         | 121 | 85   | 586  | 75   | 517  | 55   | 379  | 35   | 241 | 25  | 172 |
| 300         | 149 | 60   | 414  | 55   | 379  | 40   | 276  | 25   | 172 | 20  | 138 |
| 350         | 177 | 35   | 241  | 30   | 207  | 20   | 138  | 15   | 103 | 9   | 62  |
| 400         | 204 | N/R  | N/R  | N/R  | N/R  | N/R  | N/R  | N/R  | N/R | N/R | N/R |

### PVDF NUT

| Temperature |     | 1/4" |      | 3/8" |      | 1/2" |      | 3/4" |     | 1"  |     |
|-------------|-----|------|------|------|------|------|------|------|-----|-----|-----|
| °F          | °C  | psi  | kPa  | psi  | kPa  | psi  | kPa  | psi  | kPa | psi | kPa |
| 75          | 24  | 275  | 1896 | 235  | 1620 | 170  | 1172 | 110  | 758 | 77  | 531 |
| 200         | 93  | 130  | 896  | 115  | 793  | 85   | 586  | 55   | 379 | 40  | 276 |
| 250         | 121 | 85   | 586  | 75   | 517  | 55   | 379  | 35   | 241 | 25  | 172 |
| 300         | 149 | 60   | 414  | 55   | 379  | 40   | 276  | 25   | 172 | 20  | 138 |
| 350         | 177 | 35   | 241  | 30   | 207  | 20   | 138  | 15   | 103 | 9   | 62  |
| 400         | 204 | N/R  | N/R  | N/R  | N/R  | N/R  | N/R  | N/R  | N/R | N/R | N/R |

### PFA NUT

| Temperature |     | 1/4" |      | 3/8" |      | 1/2" |      | 3/4" |     | 1"  |     |
|-------------|-----|------|------|------|------|------|------|------|-----|-----|-----|
| °F          | °C  | psi  | kPa  | psi  | kPa  | psi  | kPa  | psi  | kPa | psi | kPa |
| 75          | 24  | 275  | 1896 | 235  | 1620 | 170  | 1172 | 110  | 758 | 77  | 531 |
| 200         | 93  | 130  | 896  | 115  | 793  | 85   | 586  | 55   | 379 | 40  | 276 |
| 250         | 121 | 85   | 586  | 75   | 517  | 55   | 379  | 35   | 241 | 25  | 172 |
| 300         | 149 | 60   | 414  | 55   | 379  | 40   | 276  | 25   | 172 | 20  | 138 |
| 350         | 177 | 35   | 241  | 30   | 207  | 20   | 138  | 15   | 103 | 9   | 62  |
| 400         | 204 | N/R  | N/R  | N/R  | N/R  | N/R  | N/R  | N/R  | N/R | N/R | N/R |

### ETFE NUT

| Temperature |     | 1/4" |      | 3/8" |     | 1/2" |      | 3/4" |     | 1"  |     |
|-------------|-----|------|------|------|-----|------|------|------|-----|-----|-----|
| °F          | °C  | psi  | kPa  | psi  | kPa | psi  | kPa  | psi  | kPa | psi | kPa |
| 75          | 24  | 277  | 1910 | 237  | 134 | 173  | 1193 | 112  | 772 | 77  | 531 |
| 200         | 93  | 132  | 910  | 117  | 807 | 87   | 600  | 57   | 393 | 40  | 276 |
| 250         | 121 | 88   | 607  | 77   | 531 | 58   | 400  | 35   | 241 | 25  | 172 |
| 300         | 149 | 63   | 434  | 58   | 400 | 42   | 290  | 25   | 172 | 21  | 145 |
| 350         | 177 | N/R  | N/R  | N/R  | N/R | N/R  | N/R  | N/R  | N/R | N/R | N/R |
| 400         | 204 | N/R  | N/R  | N/R  | N/R | N/R  | N/R  | N/R  | N/R | N/R | N/R |

N/R: Not Recommended

## BURST PRESSURE VS. TEMPERATURE

### PFA TUBING

| Temperature |     | 1/4" |      | 3/8" |      | 1/2" |      | 3/4" |      | 1"  |      |
|-------------|-----|------|------|------|------|------|------|------|------|-----|------|
| °F          | °C  | psi  | kPa  | psi  | kPa  | psi  | kPa  | psi  | kPa  | psi | kPa  |
| 75          | 24  | 900  | 6206 | 800  | 5516 | 670  | 4620 | 440  | 3034 | 320 | 2206 |
| 200         | 93  | 631  | 4353 | 603  | 4159 | 474  | 3270 | 302  | 2082 | 221 | 1527 |
| 250         | 121 | 575  | 3963 | 549  | 3787 | 432  | 2977 | 275  | 1895 | 202 | 1390 |
| 300         | 149 | 528  | 3638 | 504  | 3477 | 396  | 2733 | 252  | 1740 | 185 | 1276 |
| 350         | 177 | 471  | 3248 | 450  | 3104 | 354  | 2440 | 225  | 1553 | 165 | 1139 |
| 400         | 204 | N/R  | N/R  | N/R  | N/R  | N/R  | N/R  | N/R  | N/R  | N/R | N/R  |

### PVDF NUT

| Temperature |     | 1/4" |      | 3/8" |      | 1/2" |      | 3/4" |      | 1"  |      |
|-------------|-----|------|------|------|------|------|------|------|------|-----|------|
| °F          | °C  | psi  | kPa  | psi  | kPa  | psi  | kPa  | psi  | kPa  | psi | kPa  |
| 75          | 24  | 900  | 6206 | 800  | 5516 | 670  | 4620 | 440  | 3034 | 320 | 2206 |
| 200         | 93  | 631  | 4353 | 603  | 4159 | 474  | 3270 | 302  | 2082 | 221 | 1527 |
| 250         | 121 | 575  | 3963 | 549  | 3787 | 432  | 2977 | 275  | 1895 | 202 | 1390 |
| 300         | 149 | 528  | 3638 | 504  | 3477 | 396  | 2733 | 252  | 1740 | 185 | 1276 |
| 350         | 177 | 471  | 3248 | 450  | 3104 | 354  | 2440 | 225  | 1553 | 165 | 1139 |
| 400         | 204 | N/R  | N/R  | N/R  | N/R  | N/R  | N/R  | N/R  | N/R  | N/R | N/R  |

### PFA NUT

| Temperature |     | 1/4" |      | 3/8" |      | 1/2" |      | 3/4" |      | 1"  |      |
|-------------|-----|------|------|------|------|------|------|------|------|-----|------|
| °F          | °C  | psi  | kPa  | psi  | kPa  | psi  | kPa  | psi  | kPa  | psi | kPa  |
| 75          | 24  | 900  | 6206 | 800  | 5516 | 670  | 4620 | 440  | 3034 | 320 | 2206 |
| 200         | 93  | 631  | 4353 | 603  | 4159 | 474  | 3270 | 302  | 2082 | 221 | 1527 |
| 250         | 121 | 575  | 3963 | 549  | 3787 | 432  | 2977 | 275  | 1895 | 202 | 1390 |
| 300         | 149 | 528  | 3638 | 504  | 3477 | 396  | 2733 | 252  | 1740 | 185 | 1276 |
| 350         | 177 | 471  | 3248 | 450  | 3104 | 354  | 2440 | 225  | 1553 | 165 | 1139 |
| 400         | 204 | N/R  | N/R  | N/R  | N/R  | N/R  | N/R  | N/R  | N/R  | N/R | N/R  |

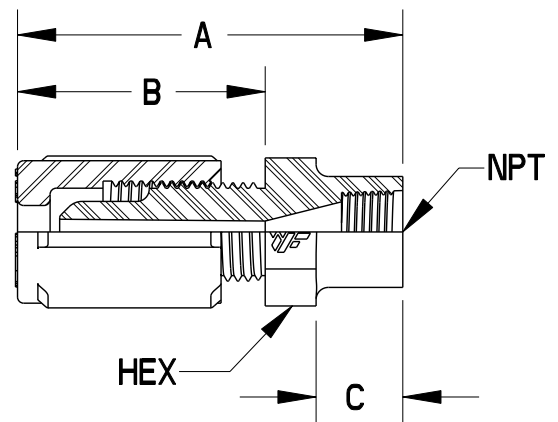
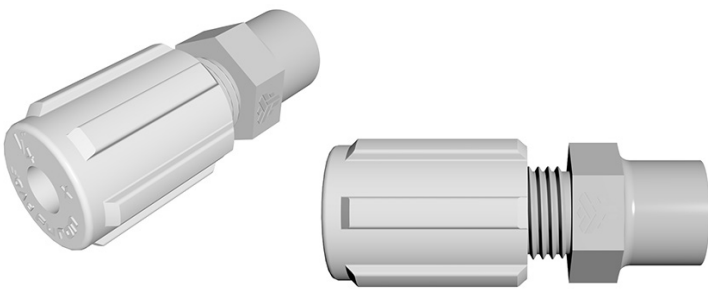
### ETFE NUT

| Temperature |     | 1/4" |      | 3/8" |      | 1/2" |      | 3/4" |      | 1"  |      |
|-------------|-----|------|------|------|------|------|------|------|------|-----|------|
| °F          | °C  | psi  | kPa  | psi  | kPa  | psi  | kPa  | psi  | kPa  | psi | kPa  |
| 75          | 24  | 900  | 6206 | 800  | 5516 | 670  | 4620 | 440  | 3034 | 320 | 2206 |
| 200         | 93  | 631  | 4353 | 603  | 4159 | 474  | 3270 | 302  | 2082 | 221 | 1527 |
| 250         | 121 | 575  | 3963 | 549  | 3787 | 432  | 2977 | 275  | 1895 | 202 | 1390 |
| 300         | 149 | 528  | 3638 | 504  | 3477 | 396  | 2733 | 252  | 1740 | 185 | 1276 |
| 350         | 177 | 471  | 3248 | 450  | 3104 | 354  | 2440 | 225  | 1553 | 165 | 1139 |
| 400         | 204 | N/R  | N/R  | N/R  | N/R  | N/R  | N/R  | N/R  | N/R  | N/R | N/R  |

N/R: Not Recommended

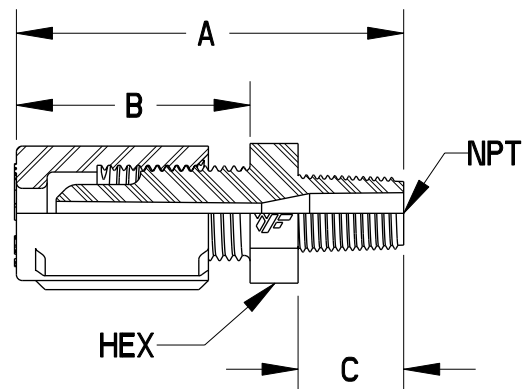
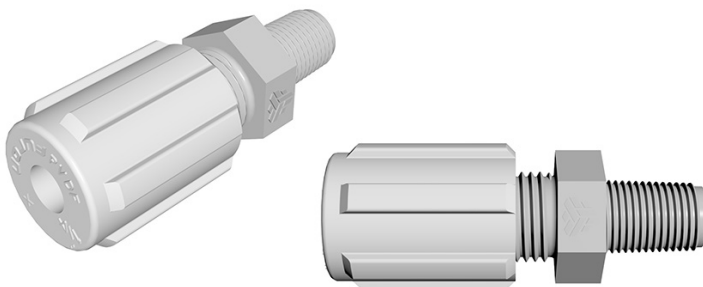
## FURON® UAF - UNION ADAPTER FEMALE

| Description     | Tube Size |      | Female<br>NPT | Orifice |       | A    |      | B    |      | HEX  |      |      |      |
|-----------------|-----------|------|---------------|---------|-------|------|------|------|------|------|------|------|------|
|                 | in        | mm   |               | in      | in    | mm   | in   | mm   | in   | mm   | in   | mm   |      |
| FMF42UAFN - 1   | 1/4       | 6.4  | 1/8           | 0.125   | 3.18  | 1.89 | 48.1 | 1.22 | 30.9 | 0.63 | 16.0 |      |      |
| FMF44UAFN - 1   |           |      | 1/4           |         |       | 2.05 | 52.0 |      |      | 0.94 | 23.9 |      |      |
| FMF46UAFN - 1   |           |      | 3/8           |         |       | 2.06 | 52.2 |      |      | 0.19 | 30.2 |      |      |
| FMF48UAFN - 1   |           |      | 1/2           |         |       | 2.20 | 55.8 |      |      |      |      |      |      |
| FMF62UAFN - 1   | 3/8       | 9.5  | 1/8           | 0.250   | 6.35  | 1.99 | 50.5 | 1.31 | 33.4 | 0.63 | 16.0 |      |      |
| FMF64UAFN - 1   |           |      | 1/4           |         |       | 2.13 | 54.1 | 1.30 | 32.9 | 23.9 | 23.9 |      |      |
| FMF66UAFN - 1   |           |      | 3/8           |         |       | 2.14 | 54.2 |      |      | 31.8 | 31.8 |      |      |
| FMF68UAFN - 1   |           |      | 1/2           |         |       | 2.28 | 57.8 |      |      |      |      |      |      |
| FMF84UAFN - 1   | 1/2       | 12.7 | 1/4           | 0.375   | 9.53  | 2.24 | 56.9 | 1.41 | 35.7 | 0.94 | 23.9 |      |      |
| FMF86UAFN - 1   |           |      | 3/8           |         |       | 2.25 | 57.0 |      |      | 1.13 | 28.7 |      |      |
| FMF88UAFN - 1   |           |      | 1/2           |         |       | 2.43 | 61.6 | 1.45 | 36.8 |      |      | 1.38 | 35.1 |
| FMF812UAFN - 1  |           |      | 3/4           |         |       | 2.44 | 62.0 |      |      | 1.19 | 30.2 |      |      |
| FMF816UAFN - 1  | 1         | 2.59 | 65.8          |         |       |      |      |      |      |      |      |      |      |
| FMF128UAFN - 1  | 3/4       | 19.1 | 1/2           | 0.625   | 15.88 | 2.50 | 63.6 | 1.52 | 38.7 | 1.38 | 35.1 |      |      |
| FMF1212UAFN - 1 |           |      | 3/4           |         |       | 2.53 | 64.2 | 1.54 | 39.0 | 1.63 | 41.4 |      |      |
| FMF1216UAFN - 1 |           |      | 1             |         |       | 2.68 | 68.1 |      |      |      |      |      |      |
| FMF168UAFN - 1  | 1         | 25.4 | 1/2           | 0.632   | 16.05 | 2.75 | 69.9 | 1.77 | 45.0 | 1.44 | 36.6 |      |      |
| FMF1612UAFN - 1 |           |      | 3/4           | 0.875   | 22.23 |      |      |      |      | 1.76 | 44.6 | 1.63 | 41.4 |
| FMF1616UAFN - 1 |           |      | 1             |         |       |      |      |      |      |      |      |      |      |



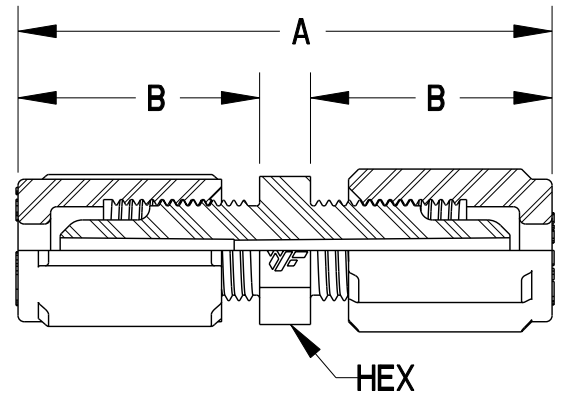
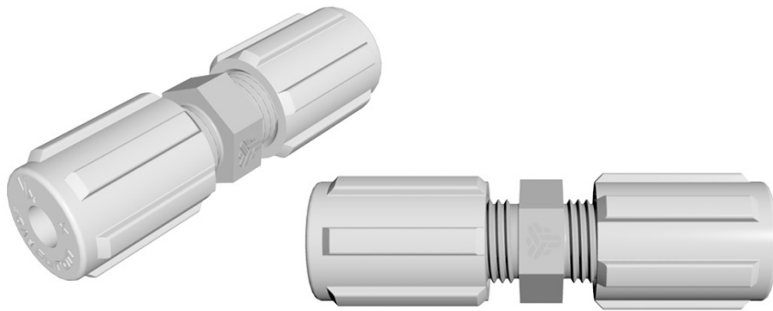
## FURON® UAM - UNION ADAPTER MALE

| Description     | Tube Size |      | Male NPT |       | Orifice |       | A     |       | B    |      | C    |      | HEX  |      |      |      |      |      |
|-----------------|-----------|------|----------|-------|---------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|
|                 | in        | mm   | in       | mm    | in      | mm    | in    | mm    | in   | mm   | in   | mm   | in   | mm   |      |      |      |      |
| FMF42UAMN - 1   | 1/4       | 6.4  | 1/8      | 3.2   | 0.125   | 3.18  | 2.02  | 51.2  | 1.22 | 30.9 | 0.55 | 14.0 | 0.63 | 16.0 |      |      |      |      |
| FMF44UAMN - 1   |           |      | 1/4      | 6.4   |         |       |       |       |      |      |      |      | 0.81 | 20.6 |      |      |      |      |
| FMF46UAMN - 1   |           |      | 3/8      | 9.5   |         |       |       |       |      |      |      |      | 0.94 | 23.9 |      |      |      |      |
| FMF48UAMN - 1   |           |      | 1/2      | 12.7  |         |       |       |       |      |      |      |      | 1.19 | 30.2 |      |      |      |      |
| FMF412UAMN - 1  |           |      | 3/4      | 19.1  |         |       |       |       |      |      |      |      |      |      |      |      |      |      |
| FMF62UAMN - 1   | 3/8       | 9.5  | 1/8      | 3.2   | 0.215   | 5.46  | 2.11  | 53.7  | 1.31 | 33.4 | 0.55 | 14.0 | 0.81 | 20.6 |      |      |      |      |
| FMF64UAMN - 1   |           |      | 1/4      | 6.4   | 0.250   | 6.35  |       |       |      |      |      |      | 2.23 | 56.7 | 0.67 | 17.0 | 0.94 | 23.9 |
| FMF66UAMN - 1   |           |      | 3/8      | 9.5   |         |       |       |       |      |      |      |      |      |      |      |      |      |      |
| FMF68UAMN - 1   |           |      | 1/2      | 12.7  |         |       |       |       |      |      |      |      |      |      |      |      |      |      |
| FMF612UAMN - 1  |           |      | 3/4      | 19.1  |         |       |       |       |      |      |      |      |      |      |      |      |      |      |
| FMF616UAMN - 1  | 1         | 25.4 | 2.41     | 61.3  |         |       | 0.85  | 21.6  | 1.44 | 36.6 |      |      |      |      |      |      |      |      |
| FMF82UAMN - 1   | 1/2       | 12.7 | 1/8      | 3.2   | 0.215   | 5.46  | 2.22  | 56.5  | 1.42 | 36.1 | 0.55 | 14.0 | 0.94 | 23.9 |      |      |      |      |
| FMF84UAMN - 1   |           |      | 1/4      | 6.4   | 0.302   | 7.67  |       |       |      |      |      |      |      |      | 2.34 | 59.5 | 0.67 | 17.0 |
| FMF86UAMN - 1   |           |      | 3/8      | 9.5   | 0.375   | 9.53  |       |       |      |      |      |      |      |      |      |      |      |      |
| FMF88UAMN - 1   |           |      | 1/2      | 12.7  |         |       |       |       |      |      |      |      |      |      |      |      |      |      |
| FMF812UAMN - 1  |           |      | 3/4      | 19.1  |         |       |       |       |      |      |      |      |      |      |      |      |      |      |
| FMF816UAMN - 1  | 1         | 25.4 | 2.52     | 64.1  |         |       | 0.85  | 21.6  | 1.44 | 36.6 |      |      |      |      |      |      |      |      |
| FMF128UAMN - 1  | 3/4       | 19.1 | 1/2      | 12.7  |         |       | 0.546 | 13.87 | 2.44 | 62.1 | 1.52 | 38.7 | 0.67 | 17.0 | 1.19 | 30.2 |      |      |
| FMF1212UAMN - 1 |           |      | 3/4      | 19.1  | 0.625   | 15.88 | 2.62  | 66.6  |      |      |      |      |      |      |      |      | 0.85 | 21.6 |
| FMF1216UAMN - 1 |           |      | 1        | 25.4  |         |       |       |       |      |      |      |      |      |      |      |      |      |      |
| FMF168UAMN - 1  | 1/2       | 12.7 | 0.546    | 13.87 |         |       |       |       | 2.69 | 68.4 | 1.77 | 45.0 | 0.67 | 17.0 | 1.44 | 36.6 |      |      |
| FMF1612UAMN - 1 | 3/4       | 19.1 | 0.742    | 18.85 |         |       |       |       |      |      |      |      |      |      |      |      |      |      |
| FMF1616UAMN - 1 | 1         | 25.4 | 0.875    | 22.23 | 2.87    | 73.0  | 0.85  | 21.6  |      |      |      |      |      |      |      |      |      |      |



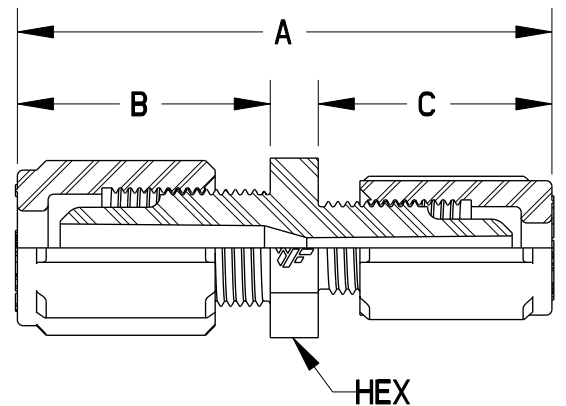
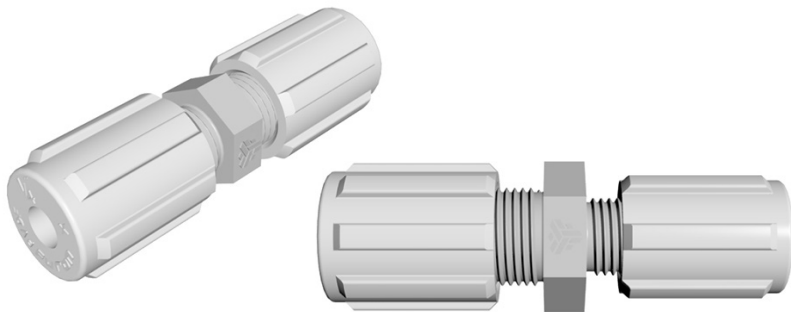
## FURON® SU - STRAIGHT UNION

| Description  | Tube Size |      | Orifice |       | A    |      | B    |       | HEX  |      |
|--------------|-----------|------|---------|-------|------|------|------|-------|------|------|
|              | in        | mm   | in      | mm    | in   | mm   | in   | mm    | in   | mm   |
| FMF4SUN - 1  | 1/4       | 6.4  | 0.125   | 3.18  | 2.68 | 68.2 | 1.22 | 30.9  | 0.63 | 16.0 |
| FMF6SUN - 1  | 3/8       | 9.5  | 0.250   | 6.35  | 2.88 | 73.1 | 1.31 | 133.4 | 0.81 | 20.6 |
| FMF8SUN - 1  | 1/2       | 12.7 | 0.375   | 9.53  | 3.10 | 78.6 | 1.42 | 36.1  | 0.94 | 23.9 |
| FMF12SUN - 1 | 3/4       | 19.1 | 0.625   | 15.88 | 3.30 | 83.7 | 1.52 | 38.7  | 0.19 | 30.2 |
| FMF16SUN - 1 | 1         | 25.4 | 0.875   | 22.23 | 2.78 | 70.7 | 1.27 | 32.2  | 1.44 | 36.6 |



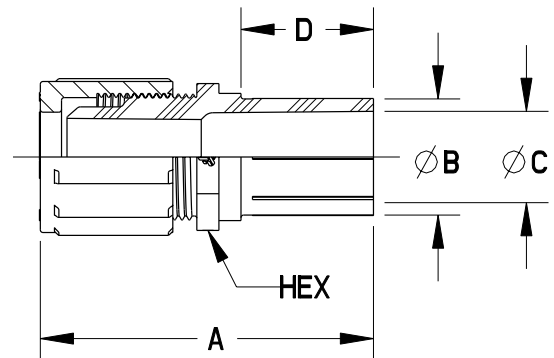
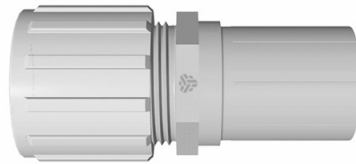
## FURON® SUR - STRAIGHT UNION REDUCER

| Description     | Tube Size |      | Tube Size |      | Orifice |       | A     |      | B    |       | C    |       | HEX  |       |
|-----------------|-----------|------|-----------|------|---------|-------|-------|------|------|-------|------|-------|------|-------|
|                 | in        | mm   | in        | mm   | in      | mm    | in    | mm   | in   | mm    | in   | mm    | in   | mm    |
| FMF64SURN - 1   | 3/8       | 9.5  | 1/4       | 6.4  | 0.125   | 3.18  | 2.78  | 70.6 | 1.31 | 133.4 | 1.22 | 30.9  | 0.81 | 20.6  |
| FMF84SURN - 1   | 1/2       | 12.7 |           |      |         |       | 2.89  | 73.4 |      |       |      |       |      |       |
| FMF86SURN - 1   |           |      | 3/4       | 19.1 | 3/8     | 9.5   | 0.250 | 6.35 | 2.99 | 75.8  | 1.42 | 36.1  | 1.31 | 133.4 |
| FMF124SURN - 1  | 1/4       | 6.4  |           |      | 0.125   | 3.18  | 3.09  | 78.4 | 1.52 | 38.7  |      |       |      |       |
| FMF126SURN - 1  | 3/4       | 19.1 | 3/8       | 9.5  | 0.250   | 6.35  | 3.20  | 81.2 | 1.52 | 38.7  | 1.31 | 133.4 | 0.19 | 30.2  |
| FMF128SURN - 1  |           |      | 1/2       | 12.7 | 0.375   | 9.53  | 3.45  | 87.5 |      |       |      |       |      |       |
| FMF168SURN - 1  | 1         | 25.4 | 3/4       | 19.1 | 0.625   | 15.88 | 3.55  | 90.1 | 1.77 | 45.0  | 1.52 | 38.7  | 1.44 | 36.6  |
| FMF1612SURN - 1 |           |      |           |      |         |       | 3/4   | 19.1 |      |       |      |       |      |       |



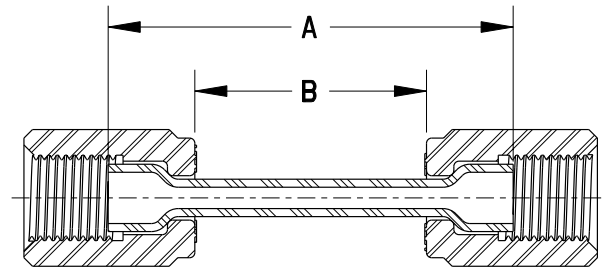
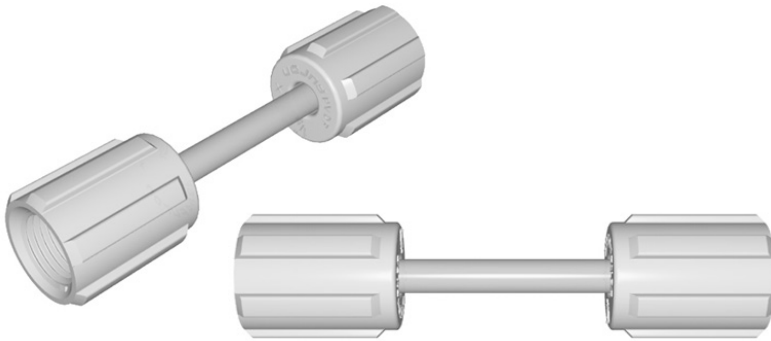
## FURON® UA - UNION ADAPTER (FUSEBOND™)

| Description     | Tube Size |      | Nominal<br>Pipe Size by<br>Schedule 40 | A    |       | ØB    |       | ØC    |       | D    |      | HEX  |      |
|-----------------|-----------|------|--|------|-------|-------|-------|-------|-------|------|------|------|------|
|                 | in        | mm   |  | in   | mm    | in    | mm    | in    | mm    | in   | mm   | in   | mm   |
| FBUA-4F4N - 1   |           |      | 1/4                                    | 2.22 | 56.3  | 0.540 | 13.72 | 0.354 | 8.99  | 0.50 | 12.7 | 0.68 | 17.3 |
| FBUA-4F8N - 1   | 1/4       | 6.4  | 1/2                                    | 3.22 | 81.7  | 0.840 | 21.34 | 0.607 | 15.42 | 1.50 | 38.1 | 0.94 | 23.9 |
| FBUA-4F12N - 1  |           |      | 3/4                                    |      |       | 1.050 | 26.67 | 0.809 | 20.55 |      |      | 1.18 | 30.0 |
| FBUA-6F4N - 1   | 3/8       | 9.5  | 1/4                                    | 2.31 | 58.7  | 0.540 | 13.72 | 0.354 | 8.99  | 0.50 | 12.7 | 0.81 | 20.6 |
| FBUA-6F8N - 1   |           |      | 1/2                                    | 3.31 | 84.1  | 0.840 | 21.34 | 0.607 | 15.42 | 1.50 | 38.1 | 0.94 | 23.9 |
| FBUA-6F12N - 1  |           |      | 3/4                                    |      | 1.050 | 26.67 | 0.809 | 20.55 | 1.18  | 30.0 |      |      |      |
| FBUA-8F8N - 1   | 1/2       | 12.7 | 1/2                                    |      |       | 0.840 | 21.34 | 0.607 | 15.42 | 1.53 | 38.9 | 0.94 | 23.9 |
| FBUA-8F12N - 1  |           |      | 3/4                                    | 3.42 | 86.9  | 1.050 | 26.67 | 0.809 | 20.55 | 1.50 | 38.1 | 1.18 | 30.0 |
| FBUA-8F16N - 1  |           |      | 1                                      |      | 1.315 | 33.40 | 1.034 | 26.26 | 1.44  | 36.6 |      |      |      |
| FBUA-12F8N - 1  | 3/4       | 19.1 | 1/2                                    |      |       | 0.840 | 21.34 | 0.607 | 15.42 | 1.53 | 38.9 | 1.18 | 30.0 |
| FBUA-12F12N - 1 |           |      | 3/4                                    | 3.52 | 89.5  | 1.050 | 26.67 | 0.809 | 20.55 |      |      | 1.44 | 36.6 |
| FBUA-12F16N - 1 |           |      | 1                                      |      | 1.315 | 33.40 | 1.034 | 26.26 | 1.44  |      |      | 36.6 |      |
| FBUA-16F8N - 1  | 1         | 25.4 | 1/2                                    |      |       | 0.840 | 21.34 | 0.607 | 15.42 | 1.50 | 38.1 | 1.44 | 36.6 |
| FBUA-16F12N - 1 |           |      | 3/4                                    |      |       | 1.050 | 26.67 | 0.809 | 20.55 |      |      | 1.44 | 36.6 |
| FBUA-16F16N - 1 |           |      | 1                                      | 3.77 | 95.8  | 1.315 | 33.40 | 1.034 | 26.26 |      |      | 1.44 | 36.6 |
| FBUA-16F24N - 1 |           |      | 1-1/2                                  |      |       | 1.900 | 48.26 | 1.610 | 40.89 |      |      | 2.03 | 51.6 |
| FBUA-16F32N - 1 |           |      | 2                                      |      |       | 2.375 | 60.33 | 2.052 | 52.12 |      |      | 2.50 | 63.5 |



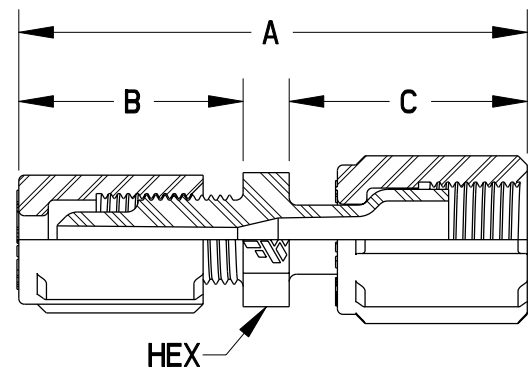
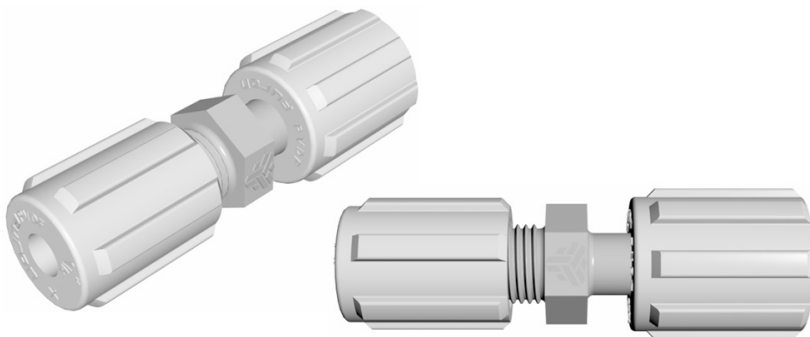
## FURON® STU - STRAIGHT TUBE UNION

| Description   | Tube Size |      | Orifice |       | A    |       | B    |      |
|---------------|-----------|------|---------|-------|------|-------|------|------|
|               | in        | mm   | in      | mm    | in   | mm    | in   | mm   |
| FMF4STUN - 1  | 1/4       | 6.4  | 0.125   | 3.18  | 3.47 | 88.1  | 2.46 | 62.4 |
| FMF6STUN - 1  | 3/8       | 9.5  | 0.250   | 6.35  | 3.61 | 91.7  | 2.30 | 58.4 |
| FMF8STUN - 1  | 1/2       | 12.7 | 0.375   | 9.53  | 3.98 | 101.1 | 2.56 | 65.0 |
| FMF12STUN - 1 | 3/4       | 19.1 | 0.625   | 15.88 | 4.48 | 113.8 | 3.04 | 77.2 |
| FMF16STUN - 1 | 1         | 25.4 | 0.875   | 22.23 | 3.86 | 98.0  | 2.24 | 56.9 |



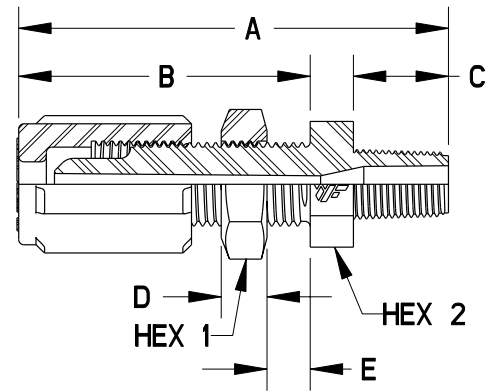
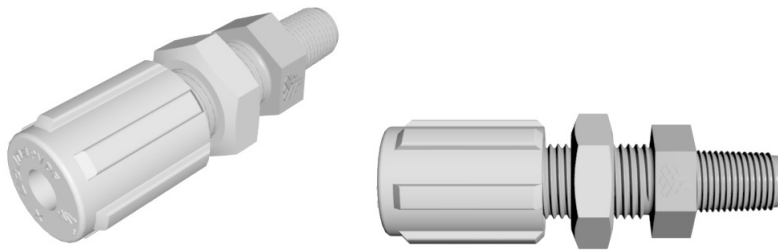
## FURON® UAFF - UNION ADAPTER FEMALE FLARE (FF)

| Description      | Tube Size |      | Tube Size FF |      | Orifice |       | A    |      | B    |      | C    |      | HEX  |      |
|------------------|-----------|------|--------------|------|---------|-------|------|------|------|------|------|------|------|------|
|                  | in        | mm   | in           | mm   | in      | mm    | in   | mm   | in   | mm   | in   | mm   | in   | mm   |
| FMF46UAFFN - 1   | 1/4       | 6.4  | 3/8          | 9.5  | 0.150   | 3.81  | 2.76 | 70.1 | 1.22 | 30.9 | 1.29 | 32.8 | 0.63 | 16.0 |
| FMF48UAFFN - 1   |           |      | 1/2          | 12.7 |         |       | 2.83 | 71.8 |      |      | 1.36 | 34.5 |      |      |
| FMF68UAFFN - 1   | 3/8       | 9.5  | 3/4          | 19.1 | 0.250   | 6.35  | 2.92 | 74.2 | 1.31 | 33.4 | 1.53 | 39.0 | 0.94 | 23.9 |
| FMF612UAFFN - 1  |           |      |              |      |         |       | 1/2  | 12.7 |      |      | 3.03 | 77.0 |      |      |
| FMF812UAFFN - 1  | 1/2       | 12.7 | 3/4          | 19.1 | 0.375   | 9.53  | 3.21 | 81.5 | 38.7 | 38.7 | 1.53 | 39.0 | 0.81 | 20.6 |
| FMF1212UAFFN - 1 |           |      |              |      |         |       | 3/4  | 19.1 |      |      | 3.31 | 84.0 |      |      |
| FMF1216UAFFN - 1 | 3/4       | 19.1 | 1            | 25.4 | 0.625   | 15.88 | 3.58 | 90.9 | 45.0 | 45.0 | 1.80 | 45.8 | 1.19 | 30.2 |
| FMF1612UAFFN - 1 |           |      |              |      |         |       | 3/4  | 19.1 |      |      | 3.56 | 90.4 |      |      |
| FMF1616UAFFN - 1 | 1         | 25.4 | 1            | 25.4 | 0.875   | 22.23 | 3.83 | 97.2 | 1.80 | 45.8 | 1.44 | 36.6 |      |      |



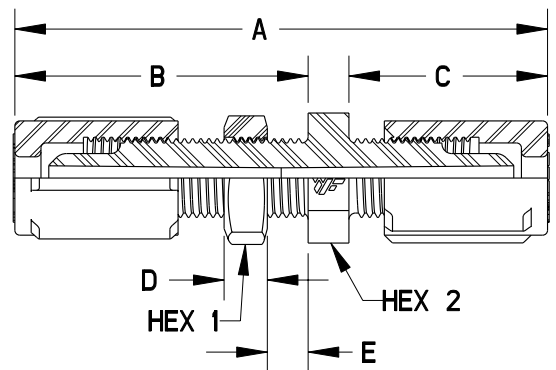
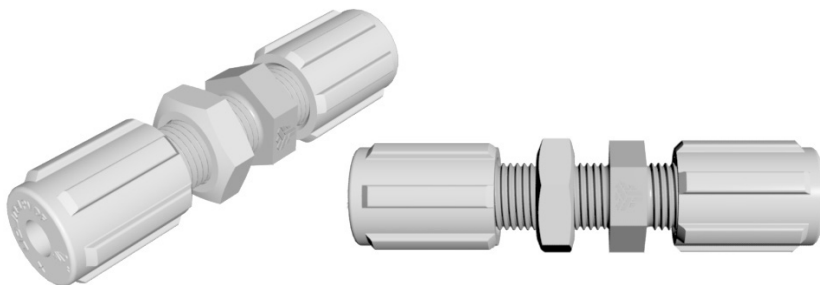
## FURON® UAMP - UNION ADAPTER MALE PANEL

| Description      | Tube Size |       | Male NTP | Orifice |       | A    |      | B    |      | C    |      | D    |      | E Max |      | HEX 1 |      | HEX 2 |      |
|------------------|-----------|-------|----------|---------|-------|------|------|------|------|------|------|------|------|-------|------|-------|------|-------|------|
|                  | in        | mm    |          | in      | mm    | in   | mm   | in   | mm   | in   | mm   | in   | mm   | in    | mm   | in    | mm   | in    | mm   |
| FMF42UAMPN - 1   | 1/4       | 6.4   | 1/8      | 0.150   | 3.81  | 2.60 | 66.0 | 1.80 | 45.6 | 0.55 | 14.0 | 0.27 | 6.7  | 0.25  | 6.4  | 0.75  | 19.1 | 0.63  | 16.0 |
| FMF44UAMPN - 1   |           |       | 1/4      |         |       |      |      |      |      |      |      |      |      |       |      | 0.69  | 17.5 |       |      |
| FMF66UAMPN - 1   | 3/8       | 9.5   | 3/8      | 0.250   | 6.35  | 2.73 | 69.4 | 1.93 | 49.1 | 0.55 | 14.0 | 0.27 | 6.7  | 0.25  | 6.4  | 0.94  | 23.9 | 0.81  | 20.6 |
| FMF84UAMPN - 1   | 1/2       | 12.7  | 1/4      | 0.302   | 7.67  | 2.87 | 73.0 | 2.07 | 52.7 |      |      |      |      |       |      |       |      |       |      |
| FMF86UAMPN - 1   |           |       | 3/8      | 0.375   | 9.53  | 2.99 | 76.0 | 0.67 | 17.0 | 1.06 | 26.9 | 0.94 | 23.9 |       |      |       |      |       |      |
| FMF88UAMPN - 1   | 1/2       | 0.546 | 13.87    | 3.30    | 83.9  | 2.38 | 60.5 |      |      |      |      |      |      | 1.31  | 33.3 | 1.19  | 30.2 |       |      |
| FMF128UAMPN - 1  | 3/4       | 19.1  | 3/4      | 0.625   | 15.88 | 3.40 | 86.4 | 2.48 | 63.1 | 0.67 | 17.0 | 0.27 | 6.7  | 0.25  | 6.4  | 1.75  | 44.5 | 1.44  | 36.6 |
| FMF1212UAMPN - 1 |           |       |          | 0.742   | 18.85 |      |      |      |      |      |      |      |      |       |      | 1.19  | 30.2 |       |      |
| FMF1612UAMPN - 1 | 1         | 25.4  | 1        | 0.875   | 22.23 | 3.40 | 86.4 | 2.48 | 63.1 | 0.67 | 17.0 | 0.27 | 6.7  | 0.25  | 6.4  | 1.75  | 44.5 | 1.44  | 36.6 |
| FMF1616UAMPN - 1 |           |       |          | 1       | 0.875 |      |      |      |      |      |      |      |      |       |      | 22.23 | 1.44 | 36.6  |      |



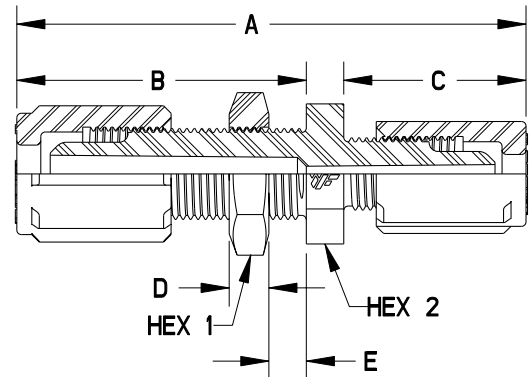
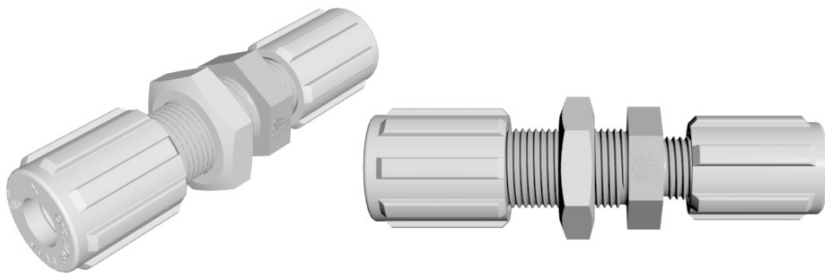
## FURON® SUP - STRAIGHT UNION PANEL

| Description   | Tube Size |      | Orifice |       | A    |       | B    |      | C    |      | D    |     | E Max |     | HEX 1 |      | HEX 2 |      |
|---------------|-----------|------|---------|-------|------|-------|------|------|------|------|------|-----|-------|-----|-------|------|-------|------|
|               | in        | mm   | in      | mm    | in   | mm    | in   | mm   | in   | mm   | in   | mm  | in    | mm  | in    | mm   | in    | mm   |
| FMF4SUPN - 1  | 1/4       | 6.4  | 0.150   | 3.81  | 3.26 | 82.9  | 1.80 | 45.6 | 1.22 | 30.9 | 0.27 | 6.7 | 0.25  | 6.4 | 0.75  | 19.1 | 0.69  | 17.5 |
| FMF6SUPN - 1  | 3/8       | 9.5  | 0.250   | 6.35  | 3.50 | 88.8  | 1.93 | 49.1 | 1.31 | 33.4 |      |     |       |     |       |      | 0.81  | 20.6 |
| FMF8SUPN - 1  | 1/2       | 12.7 | 0.375   | 9.53  | 3.68 | 93.4  | 2.07 | 52.7 | 1.35 | 34.4 | 0.27 | 6.7 | 0.25  | 6.4 | 0.75  | 19.1 | 0.94  | 23.9 |
| FMF12SUPN - 1 | 3/4       | 19.1 | 0.625   | 15.88 | 4.16 | 105.6 | 2.38 | 60.5 | 1.52 | 38.7 |      |     |       |     |       |      | 1.19  | 30.2 |
| FMF16SUPN - 1 | 1         | 25.4 | 0.875   | 22.23 | 4.51 | 114.5 | 2.48 | 63.1 | 1.77 | 45.0 | 0.27 | 6.7 | 0.25  | 6.4 | 0.75  | 19.1 | 1.75  | 44.5 |
|               |           |      |         |       |      |       |      |      |      |      |      |     |       |     |       |      |       |      |



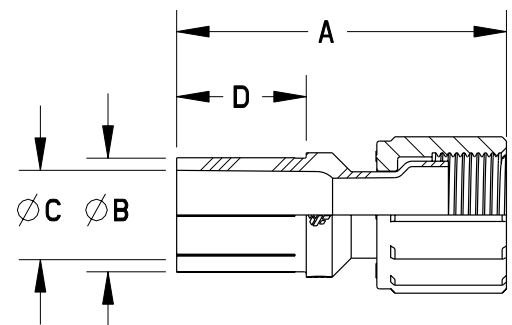
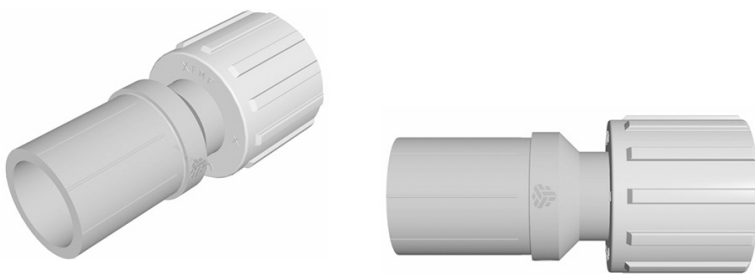
## FURON® SUPR - STRAIGHT UNION PANEL REDUCER

| Description      | Tube Size |      | Tube Size |      | Orifice |       | A    |       | B    |      | C    |      | D    |      | E Max |      | HEX 1 |      | HEX 2 |      |
|------------------|-----------|------|-----------|------|---------|-------|------|-------|------|------|------|------|------|------|-------|------|-------|------|-------|------|
|                  | in        | mm   | in        | mm   | in      | mm    | in   | mm    | in   | mm   | in   | mm   | in   | mm   | in    | mm   | in    | mm   | in    | mm   |
| FMF64SUPRN - 1   | 3/8       | 9.5  | 1/4       | 6.4  | 0.125   | 3.18  | 3.40 | 86.4  | 1.93 | 49.1 | 1.22 | 30.9 | 0.27 | 6.7  | 0.25  | 6.4  | 0.94  | 23.9 | 0.81  | 20.6 |
| FMF84SUPRN - 1   | 1/2       | 12.7 |           |      |         |       | 3.54 | 89.9  | 2.07 | 52.7 |      |      |      |      |       |      | 1.06  | 26.9 | 0.94  | 23.9 |
| FMF86SUPRN - 1   |           |      | 3/8       | 9.5  | 0.250   | 6.35  | 3.64 | 92.4  | 1.31 | 33.4 | 1.31 | 33.4 | 1.19 | 30.2 |       |      |       |      |       |      |
| FMF128SUPRN - 1  | 3/4       | 19.1 | 1/2       | 12.7 | 0.375   | 9.53  | 3.99 | 101.2 | 2.38 | 60.5 | 1.35 | 34.4 | 1.75 | 44.5 | 1.75" | 44.5 |       |      |       |      |
| FMF1612SUPRN - 1 | 1         | 25.4 | 3/4       | 19.1 | 0.625   | 15.88 | 4.24 | 107.7 | 2.48 | 63.1 | 1.51 | 38.3 |      |      |       |      |       |      |       |      |



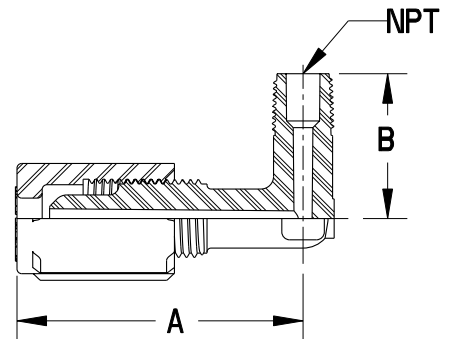
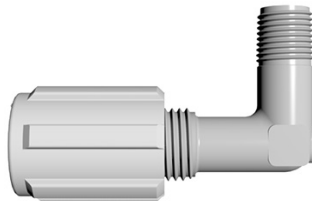
## FURON® UAFF - UNION ADAPTER FEMALE FLARE (FUSEBOND™)

| Description        | Tube Size FF |      | Nominal Pipe Size by Schedule 40 |       | A     |       | ØB    |       | ØC    |      | D    |    |
|--------------------|--------------|------|----------------------------------|-------|-------|-------|-------|-------|-------|------|------|----|
|                    | in           | mm   | in                               | mm    | in    | mm    | in    | mm    | in    | mm   | in   | mm |
| FBUA - 4FF4N - 1   | 1/4          | 6.4  | 1/4                              | 2.34  | 59.5  | 0.540 | 13.72 | 0.354 | 8.99  | 0.50 | 12.7 |    |
| FBUA - 8FF8N - 1   | 1/2          | 12.7 | 1/2                              | 3.39  | 86.2  | 0.840 | 21.34 |       |       |      |      |    |
| FBUA - 8FF12N - 1  |              |      | 3/4                              | 3.50  | 88.8  | 1.050 | 26.67 | 0.809 | 20.55 |      |      |    |
| FBUA - 12FF8N - 1  | 3/4          | 19.1 | 1/2                              | 3.44  | 87.4  | 0.840 | 21.34 | 0.607 | 15.42 | 1.50 | 38.1 |    |
| FBUA - 12FF12N - 1 |              |      | 3/4                              | 90.1  | 90.1  | 1.050 | 26.67 | 0.809 | 20.55 |      |      |    |
| FBUA - 12FF16N - 1 | 1            | 25.4 | 1                                | 93.4  | 93.4  | 1.315 | 33.40 | 1.034 | 26.26 |      |      |    |
| FBUA - 16FF12N - 1 |              |      | 3/4                              | 3.69  | 93.6  | 1.050 | 26.67 | 0.809 | 20.55 |      |      |    |
| FBUA - 16FF16N - 1 | 1            | 25.4 | 1                                | 3.82  | 97.0  | 1.315 | 33.40 | 1.034 | 26.26 |      |      |    |
| FBUA - 16FF24N - 1 |              |      | 1-1/2                            | 4.11  | 104.4 | 1.900 | 48.26 | 1.610 | 40.89 |      |      |    |
| FBUA - 16FF32N - 1 | 2            | 4.35 | 110.4                            | 2.375 | 60.33 | 2.052 | 52.12 |       |       |      |      |    |



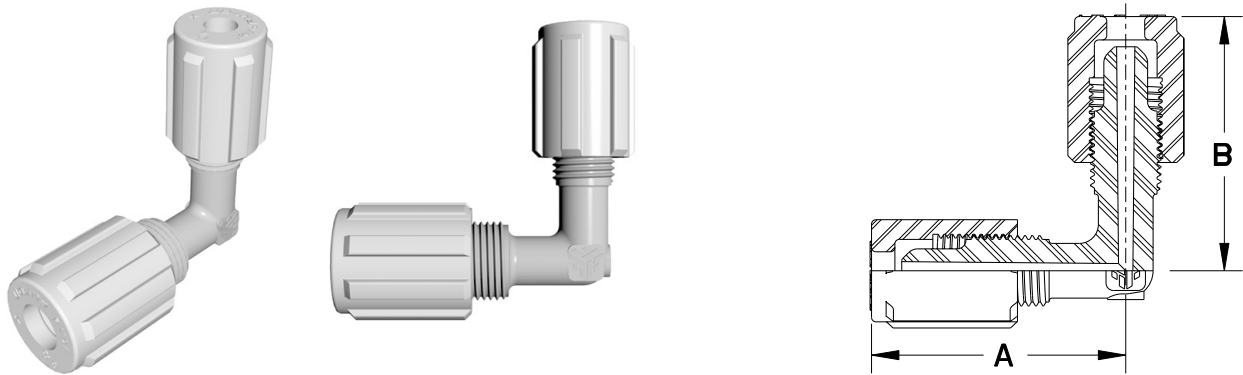
## FURON® EAM - ELBOW ADAPTER MALE

| Description     | Tube Size |      | Male NTP |      | Orifice |       | A    |      | B     |       |
|-----------------|-----------|------|----------|------|---------|-------|------|------|-------|-------|
|                 | in        | mm   | in       | mm   | in      | mm    | in   | mm   | in    | mm    |
| FMF42EAMN - 1   | 1/4       | 6.4  | 1/8      | 3.2  | 0.125   | 3.18  | 1.82 | 46.2 | 0.92  | 23.4  |
| FMF44EAMN - 1   |           |      | 1/4      | 6.4  |         |       |      |      | 1.12  | 28.4  |
| FMF46EAMN - 1   |           |      | 3/8      | 9.5  |         |       |      |      | 1.31  | 33.3  |
| FMF48EAMN - 1   |           |      | 1/2      | 12.7 |         |       |      |      | 1.36  | 34.5  |
| FMF62EAMN - 1   | 3/8       | 9.5  | 1/8      | 3.2  | 0.200   | 5.08  | 1.95 | 49.6 | 0.97  | 24.6  |
| FMF64EAMN - 1   |           |      | 1/4      | 6.4  | 0.250   | 6.35  |      |      | 1.18  | 30.0  |
| FMF66EAMN - 1   |           |      | 3/8      | 9.5  |         |       |      |      | 1.96  | 49.9  |
| FMF68EAMN - 1   |           |      | 1/2      | 12.7 |         |       |      |      | 2.17  | 55.2  |
| FMF612EAMN - 1  |           |      | 3/4      | 19.1 |         |       |      |      | 0.290 | 7.37  |
| FMF84EAMN - 1   | 1/4       | 6.4  | 0.375    | 9.53 |         |       | 1.42 | 36.1 |       |       |
| FMF86EAMN - 1   | 3/8       | 9.5  |          |      | 2.26    | 57.5  |      |      |       |       |
| FMF88EAMN - 1   | 1/2       | 12.7 |          |      | 0.540   | 13.72 | 1.57 | 39.9 |       |       |
| FMF812EAMN - 1  | 3/4       | 19.1 |          |      |         |       | 2.45 | 62.3 |       |       |
| FMF128EAMN - 1  | 3/4       | 19.1 | 1/2      | 12.7 | 0.625   | 15.88 | 2.72 | 69.2 | 1.78  | 45.2  |
| FMF1212EAMN - 1 |           |      | 3/4      | 19.1 |         |       |      |      | 2.80  | 71.2  |
| FMF1216EAMN - 1 |           |      | 1        | 25.4 |         |       |      |      | 3.00  | 76.3  |
| FMF1612EAMN - 1 | 1         | 25.4 | 3/4      | 19.1 | 0.660   | 16.76 | 2.80 | 71.2 | 1.82  | 46.2  |
| FMF1616EAMN - 1 |           |      | 1        | 25.4 |         |       |      |      | 0.875 | 22.23 |



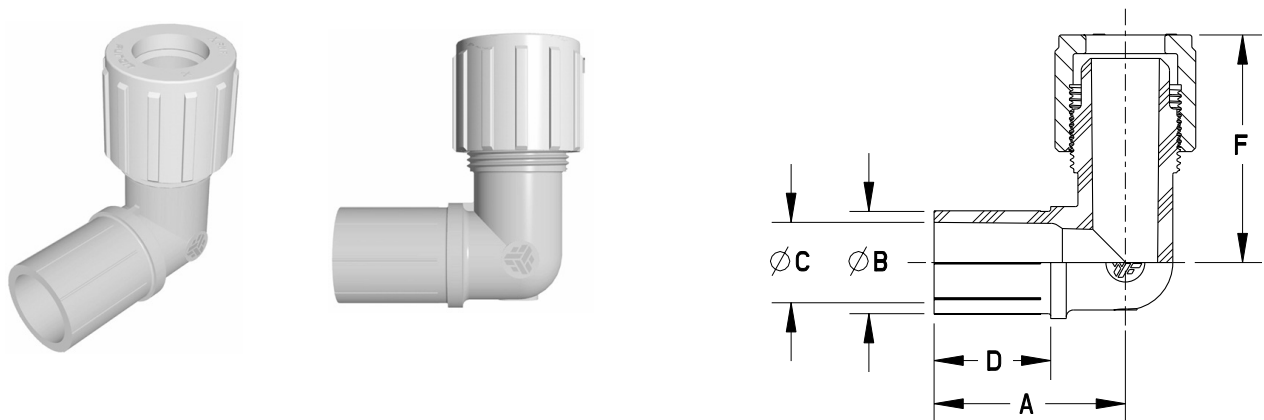
## FURON® UE - UNION ELBOW

| Description  | Tube Size |      | Orifice |       | A    |      | B    |      |
|--------------|-----------|------|---------|-------|------|------|------|------|
|              | in        | mm   | in      | mm    | in   | mm   | in   | mm   |
| FMF4UEN - 1  | 1/4       | 6.4  | 0.125   | 3.18  | 1.74 | 44.2 | 1.74 | 44.2 |
| FMF6UEN - 1  | 3/8       | 9.5  | 0.250   | 6.35  | 1.89 | 48.1 | 1.89 | 48.1 |
| FMF8UEN - 1  | 1/2       | 12.7 | 0.375   | 9.53  | 2.06 | 52.4 | 2.06 | 52.4 |
| FMF12UEN - 1 | 3/4       | 19.1 | 0.625   | 15.88 | 1.74 | 44.2 | 1.74 | 44.2 |
| FMF16UEN - 1 | 1         | 25.4 | 0.875   | 22.23 | 2.80 | 71.2 | 2.80 | 71.2 |



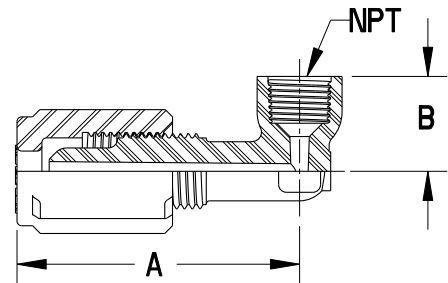
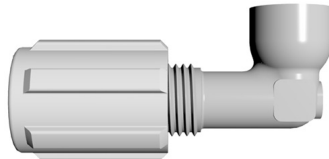
## FURON® ETA - ELBOW TUBE ADAPTER

| Description        | Tube Size |      | Nominal<br>Pipe Size by<br>Schedule 40 | A    |      | ØB    |        | ØC    |       | D    |      | F      |       |
|--------------------|-----------|------|--|------|------|-------|--------|-------|-------|------|------|--------|-------|
|                    | in        | mm   |  | in   | mm   | in    | mm     | in    | mm    | in   | mm   | in     | mm    |
| FBETA - 4F4N - 1   | 1/4       | 6.4  | 1/4                                    | 1.08 | 27.4 | 0.540 | 13.716 | 0.354 | 8.99  | 0.50 | 12.7 | 1.99   | 50.6  |
| FBETA - 8F8N - 1   | 1/2       | 12.7 | 1/2                                    | 2.20 | 55.9 | 0.840 | 21.336 | 0.607 | 15.42 | 1.50 | 38.1 | 2.51   | 63.8  |
| FBETA - 8F12N - 1  |           |      | 3/4                                    | 2.23 | 56.6 | 1.050 | 26.670 | 0.809 | 20.55 |      |      | 2.54   | 64.6  |
| FBETA - 12F8N - 1  | 3/4       | 19.1 | 1/2                                    | 2.20 | 55.9 | 0.840 | 21.336 | 0.607 | 15.42 |      |      | 2.57   | 65.3  |
| FBETA - 12F12N - 1 |           |      | 3/4                                    | 2.35 | 59.7 | 1.050 | 26.670 | 0.809 | 20.55 | 2.73 | 69.3 |        |       |
| FBETA - 12F16N - 1 | 1/2       | 12.7 | 1                                      | 2.46 | 62.5 | 1.315 | 33.401 | 1.034 | 26.26 | 2.93 | 74.3 | 3.21   | 81.5  |
| FBETA - 16F16N - 1 | 1         | 25.4 |  |      |      | 1-1/2 | 2.44   | 61.9  | 1.900 |      |      | 48.260 | 1.610 |
| FBETA - 16F24N - 1 |           |      | 3/4                                    | 2.35 | 59.7 | 1.050 | 26.670 | 0.809 | 20.55 |      |      | 2.90   | 73.7  |
| FBETA - 16F12N - 1 |           |      | 2                                      | 2.50 | 63.5 | 2.375 | 60.325 | 2.052 | 52.12 | 3.42 | 86.8 |        |       |



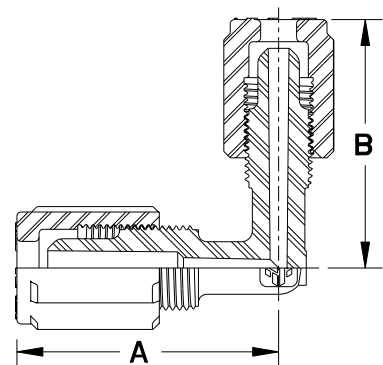
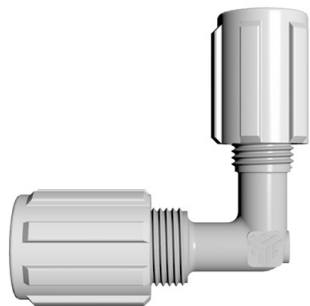
## FURON® EAF - ELBOW ADAPTER FEMALE

| Description     | Tube Size |      | Female NTP |      | Orifice |       | A    |      | B     |       |
|-----------------|-----------|------|------------|------|---------|-------|------|------|-------|-------|
|                 | in        | mm   | in         | mm   | in      | mm    | in   | mm   | in    | mm    |
| FMF42EAFN - 1   | 1/4       | 6.4  | 1/8        | 3.2  | 0.125   | 3.18  | 1.82 | 46.2 | 0.61  | 15.5  |
| FMF44EAFN - 1   |           |      | 1/4        | 6.4  |         |       |      |      | 0.88  | 22.4  |
| FMF64EAFN - 1   | 3/8       | 9.5  | 1/4        | 6.4  | 0.250   | 6.35  | 1.96 | 49.9 | 0.85  | 21.6  |
| FMF66EAFN - 1   |           |      | 3/8        | 9.5  |         |       |      |      | 0.91  | 23.1  |
| FMF68EAFN - 1   |           |      | 1/2        | 12.7 |         |       |      |      | 0.875 | 22.23 |
| FMF84EAFN - 1   | 1/2       | 12.7 | 1/4        | 6.4  | 0.375   | 9.53  | 2.09 | 53.2 | 0.88  | 22.4  |
| FMF86EAFN - 1   |           |      | 3/8        | 9.5  |         |       |      |      | 1.00  | 25.4  |
| FMF88EAFN - 1   |           |      | 1/2        | 12.7 |         |       |      |      | 1.25  | 31.8  |
| FMF1616EAFN - 1 | 1         | 25.4 | 1          | 25.4 | 0.875   | 22.23 | 3.00 | 76.3 | 1.50  | 38.1  |



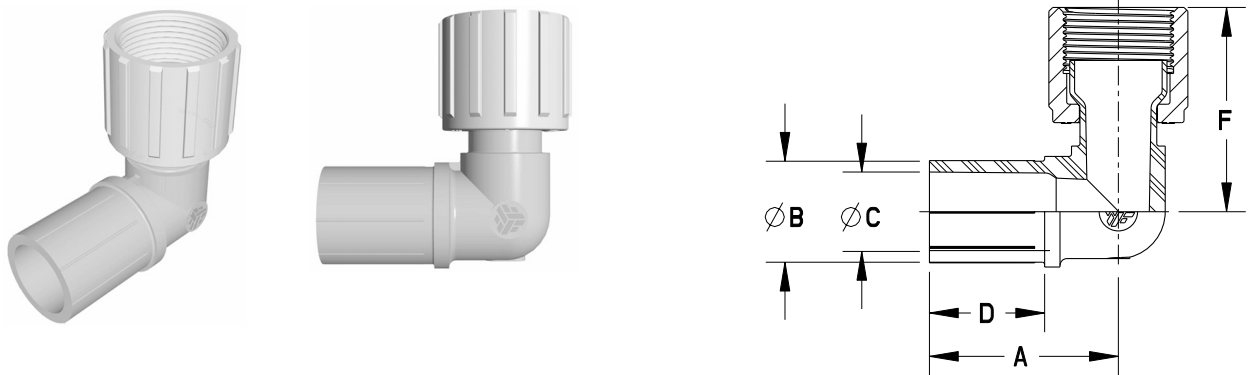
## FURON® UER - UNION ELBOW REDUCER

| Description     | Tube Size |      | Tube Size |      | Orifice |       | A     |      | B    |      |
|-----------------|-----------|------|-----------|------|---------|-------|-------|------|------|------|
|                 | in        | mm   | in        | mm   | in      | mm    | in    | mm   | in   | mm   |
| FMF64UERN - 1   | 3/8       | 9.5  | 1/4       | 6.4  | 0.150   | 3.81  | 1.89  | 48.1 | 1.80 | 45.6 |
| FMF84UERN - 1   | 1/2       | 12.7 |           |      |         |       |       |      |      |      |
| FMF124UERN - 1  |           |      | 3/4       | 19.1 | 1/4     | 6.4   | 0.150 | 3.81 | 2.31 | 58.8 |
| FMF126UERN - 1  | 3/8       | 9.5  |           |      | 0.250   | 6.35  |       |      |      |      |
| FMF128UERN - 1  | 1/2       | 12.7 |           |      | 0.375   | 9.53  |       |      |      |      |
| FMF1612UERN - 1 | 1         | 25.4 | 3/4       | 19.1 | 0.625   | 15.88 | 2.80  | 71.2 | 2.31 | 58.8 |



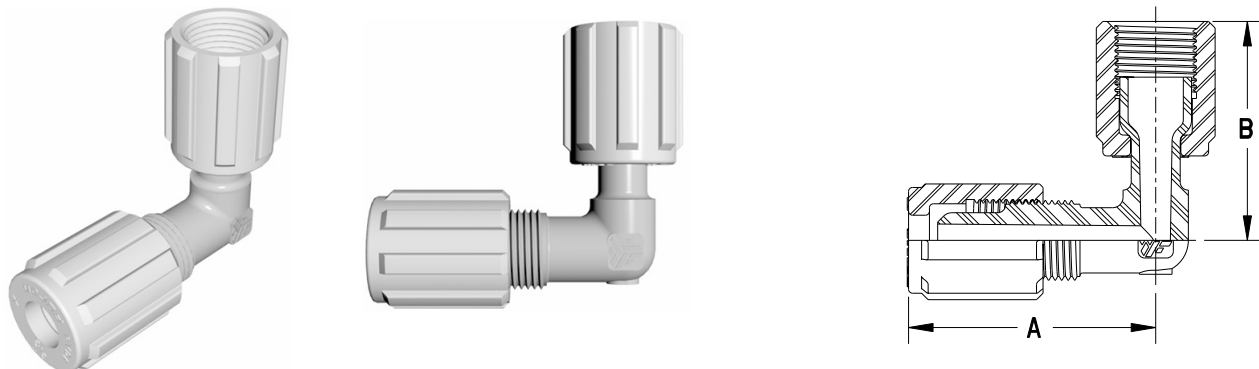
## FURON® ETAFF - ELBOW TUBE ADAPTER FEMALE FLARE (FF)

| Description         | Tube Size<br>FF |      | Nominal<br>Pipe Size by<br>Schedule 40 | A    |      | ØB    |        | ØC    |       | D    |      | F    |      |
|---------------------|-----------------|------|--|------|------|-------|--------|-------|-------|------|------|------|------|
|                     | in              | mm   |  | in   | mm   | in    | mm     | in    | mm    | in   | mm   | in   | mm   |
| FBETA - 4FF4N - 1   | 1/4             | 6.4  | 1/4                                    | 1.08 | 27.4 | 0.540 | 13.716 | 0.354 | 8.99  | 0.50 | 12.7 | 1.82 | 46.1 |
| FBETA - 8FF8N - 1   | 1/2             | 12.7 | 1/2                                    | 2.20 | 55.9 | 0.840 | 21.336 | 0.607 | 15.42 | 1.50 | 38.1 | 2.02 | 51.3 |
| FBETA - 8FF12N - 1  |                 |      | 3/4                                    | 2.23 | 56.6 | 1.050 | 26.670 | 0.809 | 20.55 |      |      | 2.05 | 52.1 |
| FBETA - 12FF12N - 1 | 3/4             | 19.1 | 3/4                                    | 2.35 | 59.7 | 1.315 | 33.401 | 1.034 | 26.26 |      |      | 2.22 | 56.4 |
| FBETA - 12FF16N - 1 |                 |      | 1                                      | 2.46 | 62.5 |       |        |       |       |      |      | 2.39 | 60.7 |
| FBETA - 16FF16N - 1 | 1               | 25.4 | 1-1/2                                  | 2.44 | 61.9 | 1.900 | 48.260 | 1.610 | 40.89 |      |      | 2.66 | 67.6 |
| FBETA - 16FF24N - 1 |                 |      | 2                                      | 2.50 | 63.5 | 2.375 | 60.325 | 2.052 | 52.12 |      |      | 2.94 | 74.7 |
| FBETA - 16FF32N - 1 |                 |      | 2                                      | 2.50 | 63.5 | 2.375 | 60.325 | 2.052 | 52.12 |      |      | 3.15 | 80.0 |
| FBETA - 12FF8N - 1  | 3/4             | 19.1 | 1/2                                    | 2.20 | 55.9 | 0.845 | 21.46  | 0.607 | 15.42 |      |      | 2.21 | 56.2 |
| FBETA - 16FF12N - 1 | 1               | 25.4 | 3/4                                    | 2.35 | 59.7 | 1.055 | 26.80  | 0.809 | 20.55 | 2.66 | 67.4 |      |      |



## FURON® UEFF - UNION ELBOW FEMALE FLARE

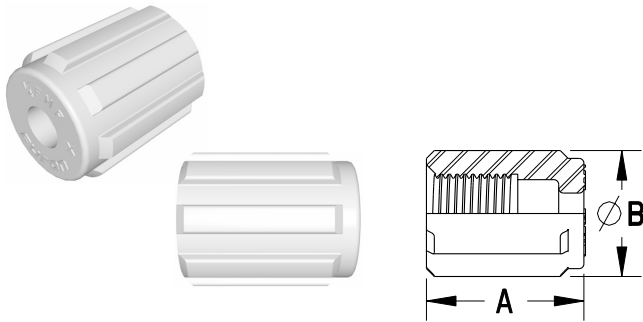
| Part Number    | Tube Size |      | Orifice |       | A    |      | B    |      |
|----------------|-----------|------|---------|-------|------|------|------|------|
|                | in        | mm   | in      | mm    | in   | mm   | in   | mm   |
| FMF6FFUEN - 1  | 3/8       | 9.5  | 0.250   | 6.35  | 1.89 | 48.1 | 1.68 | 42.6 |
| FMF8FFUEN - 1  | 1/2       | 12.7 | 0.375   | 9.53  | 2.06 | 52.4 | 1.80 | 45.7 |
| FMF12FFUEN - 1 | 3/4       | 19.1 | 0.625   | 15.88 | 2.31 | 58.8 | 2.13 | 54.1 |
| FMF16FFUEN - 1 | 1         | 25.4 | 0.875   | 22.23 | 2.80 | 71.2 | 2.64 | 67.1 |



# Furon® FlareGrip® II Fittings

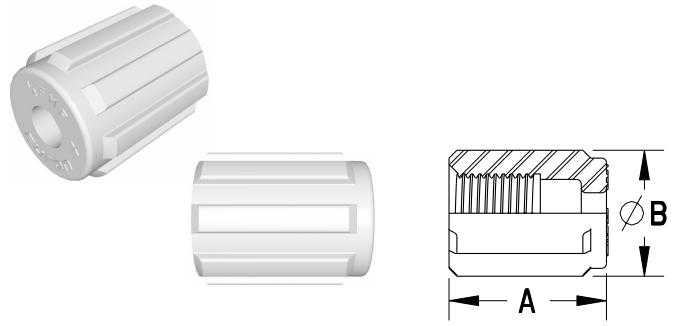
## FURON® PVDF NUT

| Description | Tube Size |      | A    |      | ØB   |      |
|-------------|-----------|------|------|------|------|------|
|             | in        | mm   | in   | mm   | in   | mm   |
| FMF4N - 1   | 1/4       | 6.4  | 1.01 | 25.6 | 0.81 | 20.5 |
| FMF6N - 1   | 3/8       | 9.5  | 1.15 | 29.2 | 0.93 | 23.6 |
| FMF8N - 1   | 1/2       | 12.7 | 1.14 | 28.9 | 1.05 | 26.6 |
| FMF12N - 1  | 3/4       | 19.1 | 1.27 | 32.2 | 1.35 | 34.2 |
| FMF16N - 1  | 1         | 25.4 | 1.52 | 38.7 | 1.83 | 46.4 |



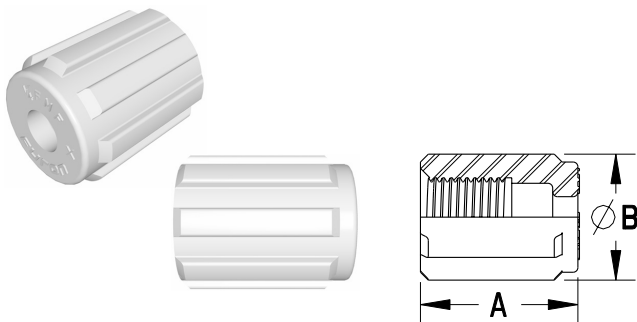
## FURON® ETFE NUT

| Description | Tube Size |      | A    |      | ØB   |      |
|-------------|-----------|------|------|------|------|------|
|             | in        | mm   | in   | mm   | in   | mm   |
| FMF4N - 2   | 1/4       | 6.4  | 1    | 25.4 | 0.8  | 20.5 |
| FMF6N - 2   | 3/8       | 9.5  | 1.13 | 28.7 | 0.91 | 23.6 |
| FMF8N - 2   | 1/2       | 12.7 | 1.14 | 28.9 | 1.03 | 26.6 |
| FMF12N - 2  | 3/4       | 19.1 | 1.27 | 31.5 | 1.33 | 34.2 |
| FMF16N - 2  | 1         | 25.4 | 1.5  | 38.1 | 1.81 | 46.4 |



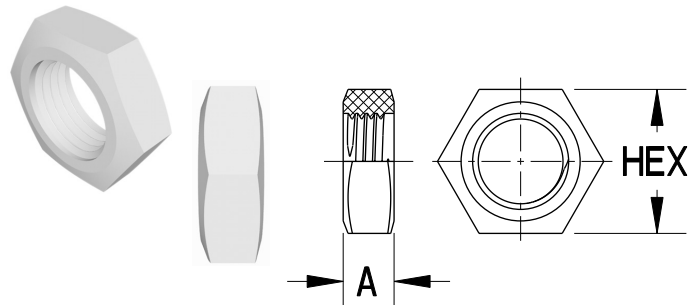
## FURON® PFA NUT

| Description | Tube Size |      | A    |      | ØB   |        |
|-------------|-----------|------|------|------|------|--------|
|             | in        | mm   | in   | mm   | in   | mm     |
| FMF4N - 3   | 1/4       | 6.4  | 1.00 | 25.4 | 0.83 | 21.1   |
| FMF6N - 3   | 3/8       | 9.5  | 1.13 | 28.7 | 0.94 | 23.9   |
| FMF8N - 3   | 1/2       | 12.7 | 1.14 | 28.9 | 1.07 | 1.27.2 |
| FMF12N - 3  | 3/4       | 19.1 | 1.24 | 31.5 | 1.41 | 35.8   |
| FMF16N - 3  | 1         | 25.4 | 1.50 | 38.1 | 1.89 | 48.0   |



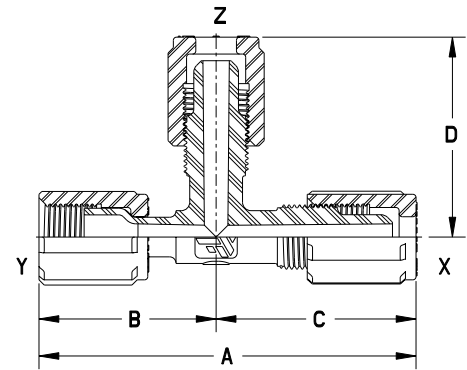
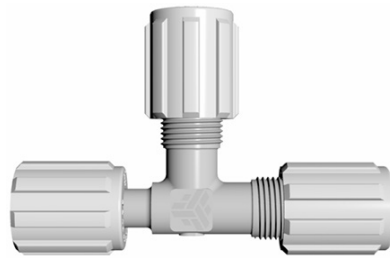
## FURON® PVDF PANEL NUT

| Description | Tube Size |      | A    |      | HEX  |     |
|-------------|-----------|------|------|------|------|-----|
|             | in        | mm   | in   | mm   | in   | mm  |
| FMF4PN      | 1/4       | 6.4  | 0.75 | 19.1 | 0.27 | 6.7 |
| FMF6PN      | 3/8       | 9.5  | 0.94 | 23.9 |      |     |
| FMF8PN      | 1/2       | 12.7 | 1.06 | 26.9 |      |     |
| FMF12PN     | 3/4       | 19.1 | 1.31 | 33.3 |      |     |
| FMF16PN     | 1         | 25.4 | 1.75 | 44.5 |      |     |



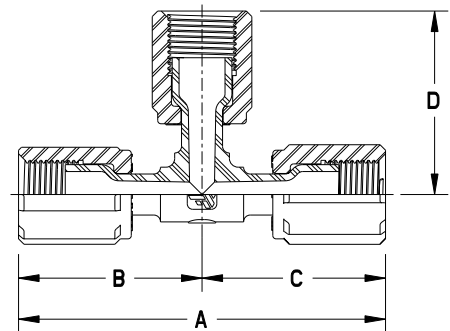
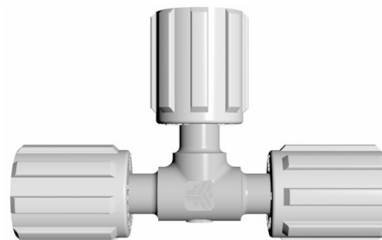
## FURON® UTFF I - UNION TEE FEMALE FLARE I

| Description          | Tube Size |     |     | Orifice |       | A    |       | B    |      | C    |      | D    |      |
|----------------------|-----------|-----|-----|---------|-------|------|-------|------|------|------|------|------|------|
|                      | X         | Y   | Z   | in      | mm    | in   | mm    | in   | mm   | in   | mm   | in   | mm   |
| FMF66FF4UTFFN - 1    | 3/8       | 3/8 | 1/4 | 0.150   | 3.81  | 3.57 | 90.7  | 1.68 | 42.6 | 1.89 | 48.1 | 1.80 | 45.6 |
| FMF66FF6UTFFN - 1    | 3/8       | 3/8 | 3/8 | 0.250   | 6.35  |      |       |      |      |      |      | 1.89 | 48.1 |
| FMF88FF4UTFFN - 1    | 1/2       | 1/2 | 1/4 | 0.150   | 3.81  | 3.86 | 98.1  | 1.80 | 45.7 | 2.06 | 52.4 | 1.87 | 47.6 |
| FMF88FF8UTFFN - 1    | 1/2       | 1/2 | 1/2 | 0.375   | 9.53  |      |       |      |      |      |      | 2.06 | 52.4 |
| FMF128FF12UTFFN - 1  | 3/4       | 1/2 | 3/4 |         |       | 4.24 | 107.6 | 1.92 | 48.9 |      |      | 2.31 | 58.8 |
| FMF1212FF6UTFFN - 1  | 3/4       | 3/4 | 3/8 | 0.250   | 6.35  | 4.44 | 112.8 | 2.13 | 54.1 | 2.31 | 58.8 | 2.17 | 55.2 |
| FMF1212FF12UTFFN - 1 | 3/4       | 3/8 | 3/8 | 0.625   | 15.88 |      |       |      |      |      |      | 2.31 | 58.8 |
| FMF1616FF16UTFFN - 1 | 1         | 1   | 1   | 0.875   | 22.23 | 5.43 | 138.0 | 2.63 | 66.8 | 2.80 | 71.2 | 2.80 | 71.2 |



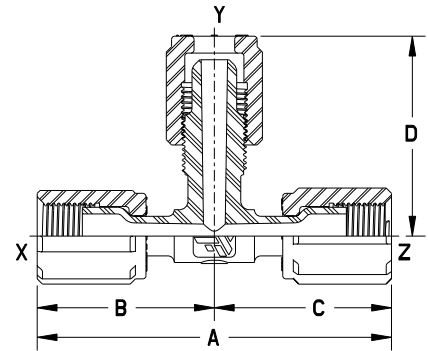
## FURON® UTFF III - UNION TEE FEMALE FLARE III

| Description   | Tube Size |      | Orifice |       | A    |       | B    |      | C    |      | D    |      |
|---------------|-----------|------|---------|-------|------|-------|------|------|------|------|------|------|
|               | in        | mm   | in      | mm    | in   | mm    | in   | mm   | in   | mm   | in   | mm   |
| FMF6UTFFN - 1 | 3/8       | 9.5  | 0.250   | 6.35  | 3.35 | 85.2  | 1.68 | 42.6 | 1.68 | 42.6 | 1.68 | 42.6 |
| FMF8UTFFN - 1 | 1/2       | 12.7 | 0.375   | 9.53  | 3.60 | 91.4  | 1.80 | 45.7 | 1.80 | 45.7 | 1.80 | 45.7 |
| FMF12UTFF - 1 | 3/4       | 19.1 | 0.625   | 15.88 | 4.26 | 108.2 | 2.13 | 54.1 | 2.13 | 54.1 | 2.13 | 54.1 |
| FMF16UTFF - 1 | 1         | 25.4 | 0.875   | 22.23 | 5.26 | 133.6 | 2.63 | 66.8 | 2.63 | 66.8 | 2.63 | 66.8 |



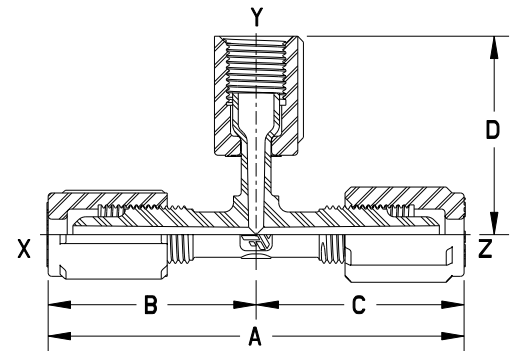
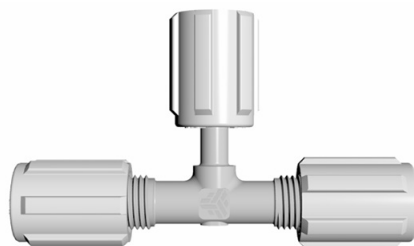
## FURON® UTRFF I - UNION TEE REDUCER FEMALE FLARE I

| Description             | Tube Size |     |     | Orifice |       | A    |       | B    |      | C    |      | D    |      |
|-------------------------|-----------|-----|-----|---------|-------|------|-------|------|------|------|------|------|------|
|                         | X         | Y   | Z   | in      | mm    | in   | mm    | in   | mm   | in   | mm   | in   | mm   |
|                         | in        | in  | in  | in      | mm    | in   | mm    | in   | mm   | in   | mm   | in   | mm   |
| FMF6FF66FFUTRFFN - 1    | 3/8       | 3/8 | 3/8 | 0.250   | 6.35  | 3.36 | 85.2  | 1.68 | 42.6 | 1.68 | 42.6 | 1.89 | 48.1 |
| FMF8FF88FFUTRFFN - 1    | 1/2       | 1/2 | 1/2 | 0.375   | 9.53  | 3.60 | 91.4  | 1.80 | 44.7 | 1.80 | 44.7 | 2.06 | 52.4 |
| FMF8FF128FFUTRFFN - 1   | 1/2       | 3/4 | 1/2 | 0.625   | 15.88 | 3.60 | 91.4  | 1.80 | 44.7 | 1.80 | 44.7 | 2.06 | 52.4 |
| FMF12FF1212FFUTRFFN - 1 | 3/4       | 3/4 | 3/4 |         |       | 4.26 | 108.2 | 2.13 | 54.1 | 2.13 | 54.1 | 2.31 | 58.8 |



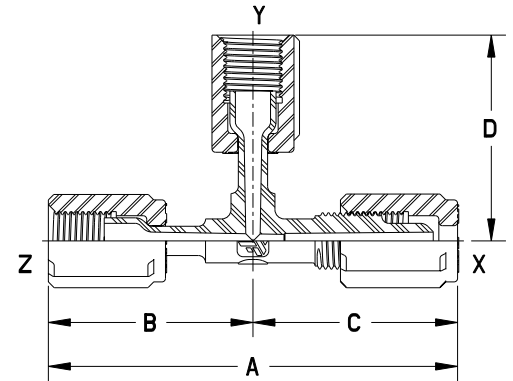
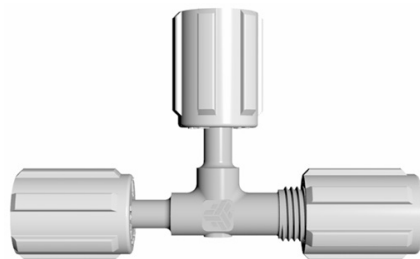
## FURON® UTRFF II - UNION TEE REDUCER FEMALE FLARE II

| Description           | Tube Size |     |     | Orifice |       | A    |       | B    |      | C    |      | D    |      |
|-----------------------|-----------|-----|-----|---------|-------|------|-------|------|------|------|------|------|------|
|                       | X         | Y   | Z   | in      | mm    | in   | mm    | in   | mm   | in   | mm   | in   | mm   |
|                       | in        | in  | in  | in      | mm    | in   | mm    | in   | mm   | in   | mm   | in   | mm   |
| FMF44FF4UTRFFN - 1    | 1/4       | 1/4 | 1/4 | 0.150   | 3.81  | 3.49 | 88.7  | 1.75 | 44.4 | 1.75 | 44.4 | 1.67 | 42.3 |
| FMF64FF6UTRFFN - 1    | 3/8       | 1/4 | 3/8 |         |       | 3.79 | 96.2  | 1.89 | 48.1 | 1.89 | 48.1 | 1.73 | 43.9 |
| FMF88FF8UTRFFN - 1    | 1/2       | 1/2 | 1/2 | 0.375   | 9.53  | 4.13 | 104.8 | 2.06 | 52.4 | 2.06 | 52.4 | 1.80 | 45.7 |
| FMF124FF12UTRFFN - 1  | 3/4       | 1/4 | 3/4 | 0.150   | 3.81  | 4.13 | 104.8 | 2.06 | 52.4 | 2.06 | 52.4 | 1.92 | 48.7 |
| FMF128FF12UTRFFN - 1  | 3/4       | 1/2 | 3/4 | 0.375   | 9.53  | 4.63 | 117.5 | 2.31 | 58.8 | 2.31 | 58.8 | 1.89 | 48.1 |
| FMF1212FF12UTRFFN - 1 | 3/4       | 3/4 | 3/4 | 0.625   | 15.88 | 4.63 | 117.5 | 2.31 | 58.8 | 2.31 | 58.8 | 2.13 | 54.2 |



## FURON® UTRFF III - UNION TEE REDUCER FEMALE FLARE III

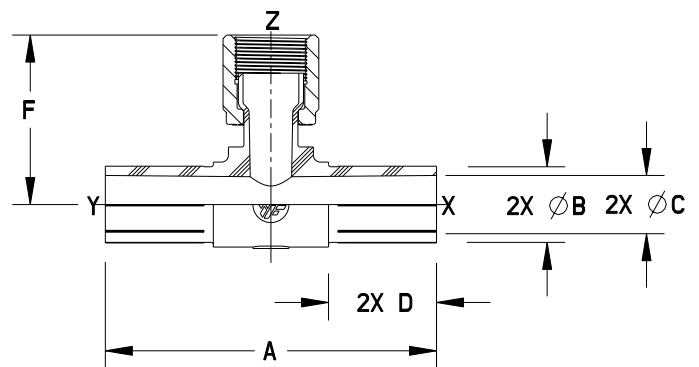
| Description             | Tube Size |     |     | Orifice |       | A    |       | B    |      | C    |      | D    |      |
|-------------------------|-----------|-----|-----|---------|-------|------|-------|------|------|------|------|------|------|
|                         | X         | x   | Y   | x       | Z     | in   | mm    | in   | mm   | in   | mm   | in   | mm   |
|                         | in        | in  | in  | in      | in    | mm   | mm    | in   | mm   | in   | mm   | in   | mm   |
| FMF44FF4FFUTRFFN - 1    | 1/4       | 1/4 | 1/4 | 0.150   | 3.81  | 3.49 | 88.7  | 1.75 | 44.4 | 1.75 | 44.4 | 1.76 | 44.6 |
| FMF88FF8FFUTRFFN - 1    | 1/2       | 1/2 | 1/2 | 0.375   | 9.53  | 3.86 | 98.1  | 1.80 | 45.7 | 2.06 | 52.4 | 1.80 | 45.7 |
| FMF128FF12FFUTRFFN - 1  | 3/4       | 1/2 | 3/4 |         |       | 4.44 | 112.7 |      |      |      |      |      |      |
| FMF812FF12FFUTRFFN - 1  | 3/4       | 3/4 | 1/2 | 0.625   | 15.88 | 4.19 | 106.4 | 2.12 | 54.0 | 2.06 | 52.4 | 2.12 | 54.0 |
| FMF1212FF12FFUTRFFN - 1 | 3/4       | 3/4 | 3/4 |         |       | 4.44 | 112.7 |      |      |      |      |      |      |



## FURON® BTFF - BRANCH TEE FEMALE FLARE (FUSEBOND™)

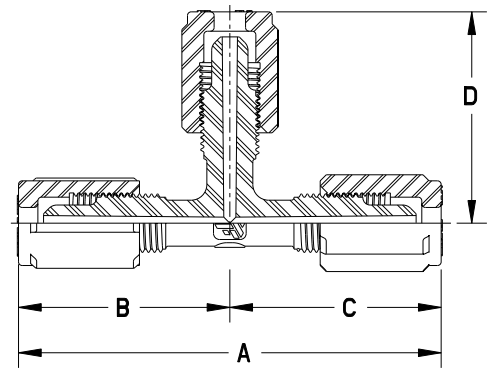
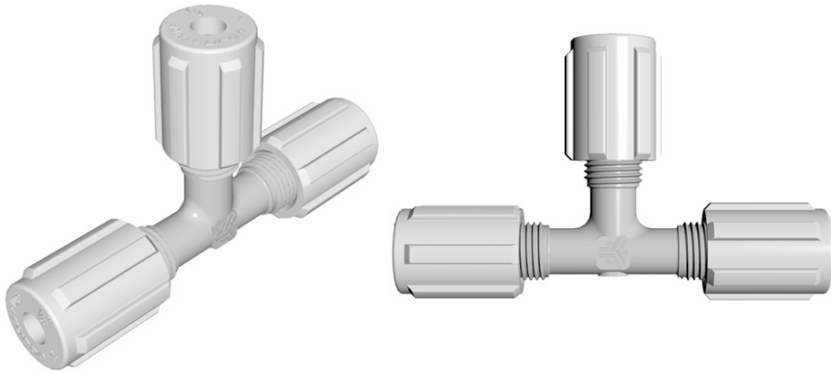
| Description        | Pipe x Pipe** x Tube |     |     | Orifice |       | A    |       | ØB    |       | ØC    |       | D    |      | F    |      |
|--------------------|----------------------|-----|-----|---------|-------|------|-------|-------|-------|-------|-------|------|------|------|------|
|                    | X                    | x   | Y   | x       | Z     | in   | mm    | in    | mm    | in    | mm    | in   | mm   | in   | mm   |
|                    | in                   | in  | in  | in      | in    | mm   | mm    | in    | mm    | in    | mm    | in   | mm   | in   | mm   |
| FBBT-888FFN - 1    | 1/2                  | 1/2 | 1/2 | 0.375   | 9.53  | 4.60 | 116.8 | 0.840 | 21.34 | 0.607 | 15.42 | 1.50 | 38.1 | 2.16 | 55.0 |
| FBBT-121212FFN - 1 | 3/4                  | 3/4 | 3/4 | 0.625   | 15.88 |      |       | 1.050 | 26.67 | 0.809 | 20.55 |      |      | 2.57 | 65.3 |
| FBBT-121216FFN - 1 | 3/4                  | 3/4 | 1   | 0.809   | 20.55 | 4.92 | 125.0 |       |       |       |       |      |      | 2.76 | 70.2 |

\*\* Nominal by Schedule 40



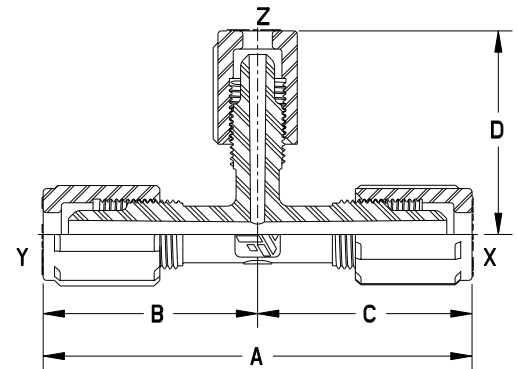
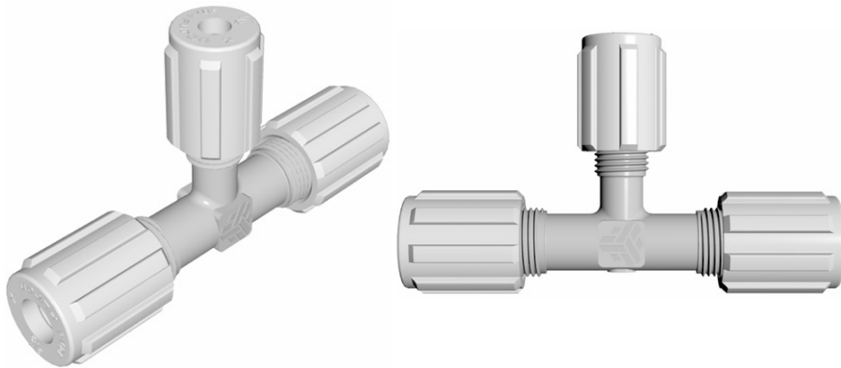
## FURON® UT - UNION TEE

| Description  | Tube Size |      | Orifice |       | A    |       | B    |      | C    |      | D    |      |
|--------------|-----------|------|---------|-------|------|-------|------|------|------|------|------|------|
|              | in        | mm   | in      | mm    | in   | mm    | in   | mm   | in   | mm   | in   | mm   |
| FMF4UTN - 1  | 1/4       | 6.4  | 0.125   | 3.18  | 3.48 | 88.5  | 1.74 | 44.2 | 1.74 | 44.2 | 1.74 | 44.2 |
| FMF6UTN - 1  | 3/8       | 9.5  | 0.250   | 6.35  | 3.79 | 96.2  | 1.89 | 48.1 | 1.89 | 48.1 | 1.89 | 48.1 |
| FMF8UTN - 1  | 1/2       | 12.7 | 0.375   | 9.53  | 4.13 | 104.8 | 2.06 | 52.4 | 2.06 | 52.4 | 2.06 | 52.4 |
| FMF12UTN - 1 | 3/4       | 19.1 | 0.625   | 15.88 | 4.63 | 117.5 | 2.31 | 58.8 | 2.31 | 58.8 | 2.31 | 58.8 |
| FMF16UTN - 1 | 1         | 25.4 | 0.875   | 22.23 | 5.61 | 142.4 | 2.80 | 71.2 | 2.80 | 71.2 | 2.80 | 71.2 |



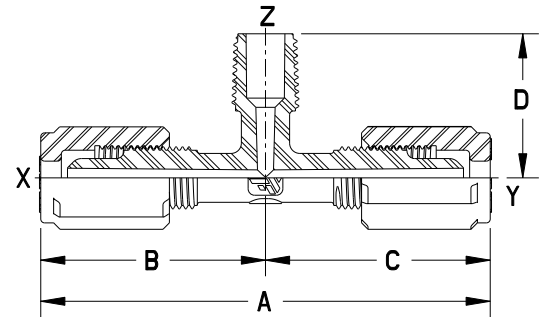
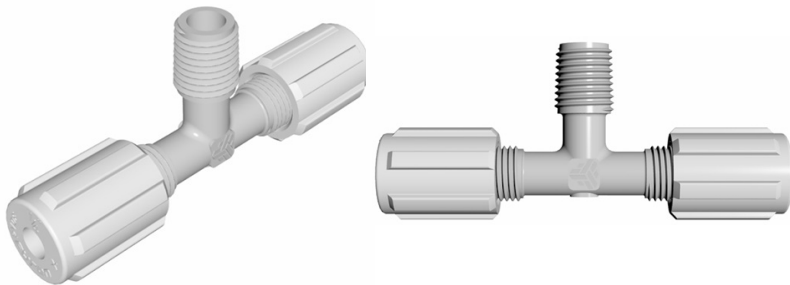
## FURON® UTR - UNION TEE REDUCER

| Description       | Tube Size |     |     | Orifice |       | A    |       | B    |      | C    |      | D    |      |
|-------------------|-----------|-----|-----|---------|-------|------|-------|------|------|------|------|------|------|
|                   | X         | Y   | Z   | in      | mm    | in   | mm    | in   | mm   | in   | mm   | in   | mm   |
| FMF646UTRN - 1    | 3/8       | 1/4 | 3/8 | 0.150   | 3.81  | 3.74 | 95.0  | 1.85 | 46.9 | 1.89 | 48.1 | 1.89 | 48.1 |
| FMF664UTRN - 1    | 3/8       | 3/8 | 1/4 |         |       | 3.79 | 96.2  | 1.89 | 48.1 |      |      | 1.80 | 45.6 |
| FMF668UTRN - 1    | 3/8       | 3/8 | 1/2 | 0.250   | 6.35  | 4.05 | 102.8 | 2.02 | 51.4 | 2.02 | 51.4 | 2.06 | 52.4 |
| FMF6612UTRN - 1   | 3/8       | 3/8 | 3/4 | 0.375   | 9.53  | 4.53 | 115   | 2.26 | 57.5 | 2.26 | 57.5 | 2.31 | 58.8 |
| FMF844UTRN - 1    | 1/2       | 1/4 | 1/4 | 0.150   | 3.81  | 3.81 | 96.8  | 2.06 | 52.4 | 1.75 | 44.4 | 1.75 | 44.4 |
| FMF848UTRN - 1    | 1/2       | 1/4 | 1/2 |         |       | 3.91 | 99.3  | 1.85 | 46.9 |      |      | 2.06 | 52.4 |
| FMF866UTRN - 1    | 1/2       | 3/8 | 3/8 | 0.250   | 6.35  | 3.96 | 100.5 | 2.06 | 52.4 | 1.89 | 48.1 | 1.89 | 48.1 |
| FMF884UTRN - 1    | 1/2       | 1/2 | 1/4 | 0.150   | 3.81  | 4.13 | 104.8 |      |      | 1.86 | 47.2 |      |      |
| FMF886UTRN - 1    | 1/2       | 1/2 | 3/8 | 0.250   | 6.35  |      |       | 2.06 | 52.4 | 1.95 | 49.6 |      |      |
| FMF12124UTRN - 1  | 3/4       | 3/4 | 1/4 | 0.150   | 3.81  | 4.63 | 117.5 | 2.31 | 58.8 | 2.31 | 58.8 | 2.01 | 51.0 |
| FMF16168UTRN - 1  | 1         | 1   | 1/2 | 0.375   | 9.53  | 5.61 | 142.4 | 2.80 | 71.2 | 2.80 | 71.2 | 2.45 | 62.3 |
| FMF161612UTRN - 1 | 1         | 1   | 3/4 | 0.875   | 22.23 | 5.43 | 138.0 | 2.63 | 66.8 | 2.80 | 71.2 | 2.80 | 71.2 |
| FMF1248UTRN - 1   | 3/4       | 1/4 | 1/2 | 0.150   | 3.81  | 4.07 | 103.4 | 1.76 | 44.6 | 2.31 | 58.8 | 1.96 | 49.9 |
| FMF1288UTRN - 1   | 3/4       | 1/2 | 1/2 | 0.375   | 9.53  | 4.38 | 111.2 | 2.31 | 58.8 | 2.06 | 52.4 | 2.06 | 52.4 |
| FMF12812UTRN - 1  | 3/4       | 1/2 | 3/4 |         |       | 4.52 | 114.7 | 2.20 | 56.0 | 2.31 | 58.8 | 2.31 | 58.8 |



## FURON® MBT - MALE BRANCH TEE

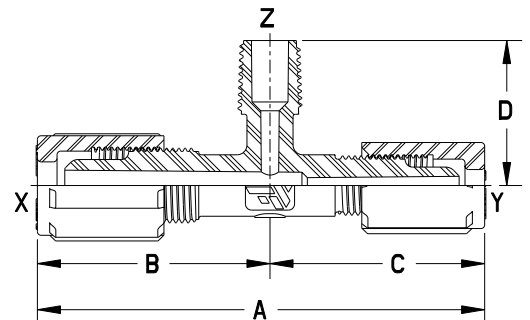
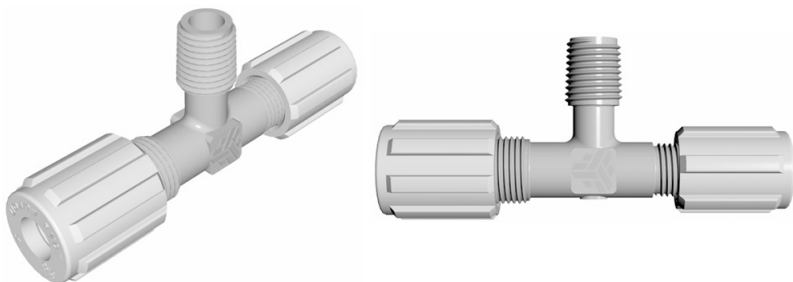
| Description       | Tube Size (NPT) |     |     | Orifice |       | A    |       | B    |      | C    |      | D    |      |
|-------------------|-----------------|-----|-----|---------|-------|------|-------|------|------|------|------|------|------|
|                   | X               | Y   | Z   | in      | mm    | in   | mm    | in   | mm   | in   | mm   | in   | mm   |
| FMF442MBTN - 1    | 1/4             | 1/4 | 1/8 | 0.150   | 3.81  | 3.49 | 88.7  | 1.75 | 44.4 | 1.75 | 44.4 | 0.92 | 23.4 |
| FMF444MBTN - 1    | 1/4             | 1/4 | 1/4 |         |       |      |       |      |      |      |      | 1.12 | 28.4 |
| FMF662MBTN - 1    | 3/8             | 3/8 | 1/8 | 0.188   | 4.78  |      |       |      |      |      |      | 0.97 | 24.6 |
| FMF664MBTN - 1    | 3/8             | 3/8 | 1/4 | 0.225   | 5.72  | 3.79 | 96.2  | 1.89 | 48.1 | 1.89 | 48.1 | 1.18 | 30.0 |
| FMF666MBTN - 1    | 3/8             | 3/8 | 3/8 |         |       |      |       |      |      |      |      |      |      |
| FMF884MBTN - 1    | 1/2             | 1/2 | 1/4 | 0.250   | 6.35  |      |       |      |      |      |      | 1.24 | 31.5 |
| FMF886MBTN - 1    | 1/2             | 1/2 | 3/8 | 0.350   | 8.89  | 4.13 | 104.8 | 2.06 | 52.4 | 2.06 | 52.4 |      |      |
| FMF888MBTN - 1    | 1/2             | 1/2 | 1/2 | 0.375   | 9.53  |      |       |      |      |      |      | 1.42 | 36.1 |
| FMF12124MBTN - 1  | 3/4             | 3/4 | 1/4 | 0.150   | 3.81  |      |       |      |      |      |      | 1.39 | 35.3 |
| FMF12128MBTN - 1  | 3/4             | 3/4 | 1/2 | 0.438   | 11.13 | 4.63 | 117.5 | 2.31 | 58.8 | 2.31 | 58.8 | 1.57 | 39.9 |
| FMF121212MBTN - 1 | 3/4             | 3/4 | 3/4 | 0.600   | 15.24 |      |       |      |      |      |      |      |      |
| FMF16164MBTN - 1  | 1               | 1   | 1/4 | 0.150   | 3.81  | 5.61 | 142.4 | 2.80 | 71.2 | 2.80 | 71.2 | 1.63 | 41.4 |
| FMF161616MBTN - 1 | 1               | 1   | 1   | 0.850   | 21.59 |      |       |      |      |      |      | 2.02 | 51.3 |



## FURON® MBTR - MALE BRANCH TEE REDUCER

| Description     | Pipe x Pipe* x Tube (NPT) |     |     | Orifice |      | A    |       | B    |      | C    |      | D    |      |
|-----------------|---------------------------|-----|-----|---------|------|------|-------|------|------|------|------|------|------|
|                 | X                         | Y   | Z   | in      | mm   | in   | mm    | in   | mm   | in   | mm   | in   | mm   |
| FMF644MBTRN - 1 | 3/8                       | 1/4 | 1/4 | 0.150   | 3.81 | 3.64 | 92.5  | 1.89 | 48.1 | 1.75 | 44.4 | 1.18 | 30.0 |
| FMF646MBTRN - 1 | 3/8                       | 1/4 | 3/8 |         |      |      |       |      |      |      |      |      |      |
| FMF866MBTRN - 1 | 1/2                       | 3/8 | 3/8 | 0.250   | 6.35 | 3.96 | 100.5 | 2.06 | 52.4 | 1.89 | 48.1 | 1.42 | 35.1 |
| FMF848MBTRN - 1 | 1/2                       | 1/4 | 1/2 | 0.150   | 3.81 | 3.81 | 96.8  |      |      | 1.75 | 44.4 |      |      |
| FMF868MBTRN - 1 | 1/2                       | 3/8 | 1/2 | 0.250   | 6.35 | 3.96 | 100.5 |      |      | 1.89 | 48.1 |      |      |

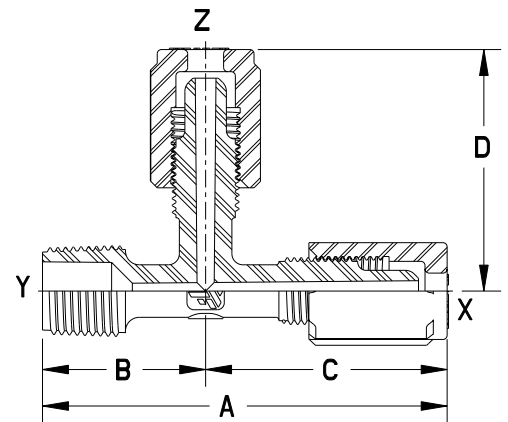
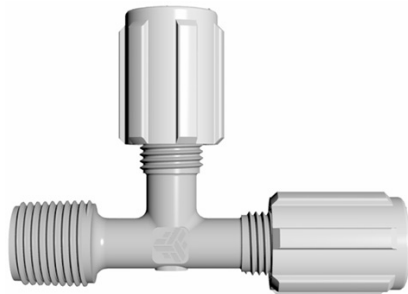
\* Nominal by Schedule 40



# Furon® FlareGrip® II Fittings

## FURON® MRT - MALE RUN TEE

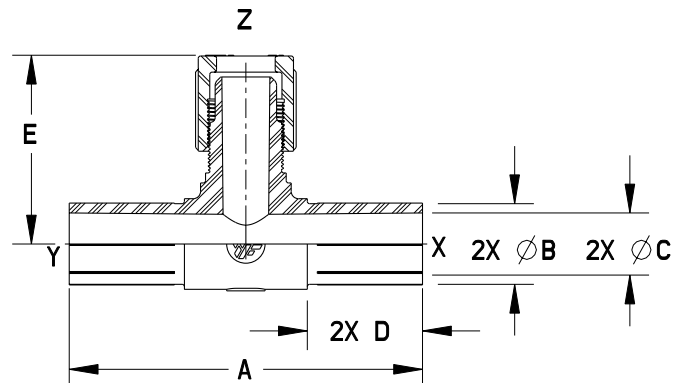
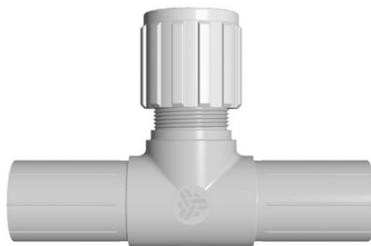
| Description       | Tube x Male x Tube (NPT) |     |     | Orifice |       | A    |      | B    |      | C    |      | D    |      |
|-------------------|--------------------------|-----|-----|---------|-------|------|------|------|------|------|------|------|------|
|                   | X                        | Y   | Z   | in      | mm    | in   | mm   | in   | mm   | in   | mm   | in   | mm   |
|                   | in                       | in  | in  |         |       |      |      |      |      |      |      |      |      |
| FMF424MRTN - 1    | 1/4                      | 1/8 | 1/4 |         |       | 2.67 | 67.7 | 0.92 | 23.4 |      |      |      |      |
| FMF444MRTN - 1    | 1/4                      | 1/4 | 1/4 | 0.150   | 3.81  | 2.87 | 72.8 | 1.12 | 28.4 | 1.75 | 44.4 | 1.75 | 44.4 |
| FMF464MRTN - 1    | 1/4                      | 3/8 | 1/4 |         |       | 2.93 | 74.3 | 1.18 | 30.0 |      |      |      |      |
| FMF626MRTN - 1    | 3/8                      | 1/8 | 3/8 |         |       | 2.81 | 71.5 | 0.92 | 23.4 |      |      |      |      |
| FMF646MRTN - 1    | 3/8                      | 1/4 | 3/8 | 0.250   | 6.35  | 3.01 | 76.5 | 1.12 | 28.4 | 1.89 | 48.1 | 1.89 | 48.1 |
| FMF666MRTN - 1    | 3/8                      | 3/8 | 3/8 |         |       | 3.07 | 78.1 | 1.18 | 30.0 |      |      |      |      |
| FMF686MRTN - 1    | 3/8                      | 1/2 | 3/8 |         |       | 3.31 | 84.2 | 1.42 | 36.1 |      |      |      |      |
| FMF868MRTN - 1    | 1/2                      | 3/8 | 1/2 | 0.375   | 9.53  | 3.24 | 82.4 | 1.18 | 30.0 | 2.06 | 52.4 | 2.06 | 52.4 |
| FMF888MRTN - 1    | 1/2                      | 1/2 | 1/2 |         |       | 3.48 | 88.5 | 1.42 | 36.1 |      |      |      |      |
| FMF12812MRTN - 1  | 3/4                      | 1/2 | 3/4 | 0.625   | 15.88 | 3.73 | 94.8 |      |      | 2.31 | 58.8 | 2.31 | 58.8 |
| FMF121212MRTN - 1 | 3/4                      | 3/4 | 3/4 |         |       | 3.88 | 98.6 | 1.57 | 39.9 |      |      |      |      |



## FURON® BT - BRANCH TEE

| Description       | Pipe x Pipe* x Tube |     |     | Orifice |       | A    |       | ØB    |       | ØC    |       | D    |      | E    |      |
|-------------------|---------------------|-----|-----|---------|-------|------|-------|-------|-------|-------|-------|------|------|------|------|
|                   | X                   | Y   | Z   | in      | mm    | in   | mm    | in    | mm    | in    | mm    | in   | mm   | in   | mm   |
|                   | in                  | in  | in  |         |       |      |       |       |       |       |       |      |      |      |      |
| FBBT-888FN - 1    | 1/2                 | 1/2 | 1/2 | 0.375   | 9.53  | 4.60 | 116.8 | 0.840 | 21.34 | 0.607 | 15.42 | 1.50 | 38.1 | 2.22 | 56.5 |
| FBBT-121212FN - 1 | 3/4                 | 3/4 | 3/4 | 0.625   | 15.88 |      |       | 1.050 | 26.67 | 0.809 | 20.55 |      |      | 2.32 | 59.0 |

\* Nominal by Schedule 40





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