

WARDFLEX PIPE & FITTINGS



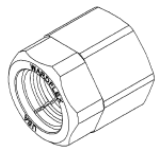
Coupling

PIPE

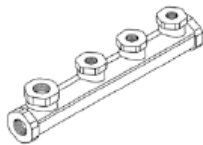
| | 1/2" | 3/4" | 1" |
|-------------|-----------|--------|----------|
| 50' | \$ 336.49 | 439.17 | 626.35 |
| 100' | 673.00 | 878.38 | 1,252.49 |



Gas Valve Box

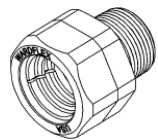


Female Adapter



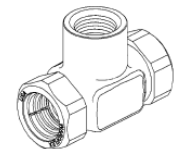
Iron Manifold

FITTINGS

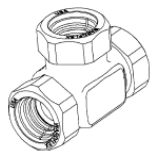


Male Adapter

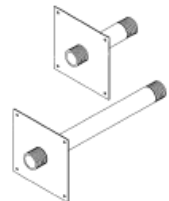
| | 1/2" | 3/4" | 1" |
|--------------------------|----------|--------|--------|
| Coupling (W x W) | \$ 53.14 | 73.11 | 117.97 |
| Tee (W x W x W) | 89.27 | 110.68 | 217.42 |
| Tee (W x W x Fip) | 61.94 | 125.47 | 224.63 |
| Male Adapter (W x Mip) | 28.85 | 39.35 | 65.32 |
| Female Adapter (W x Fip) | 28.85 | 41.56 | 60.83 |
| Strip-wound Hose (12") | 5.02 | 7.94 | 9.48 |
| Indoor Termination | 41.20 | 43.29 | 70.60 |
| Outdoor Termination | 48.98 | 57.79 | 80.04 |
| Appliance Stub-Out | 30.58 | 34.27 | |
| Meter Stub-Out (6") | 30.20 | 30.86 | |



Fip Mechanical Tee



Mechanical Tee

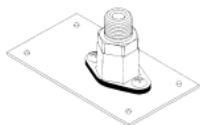
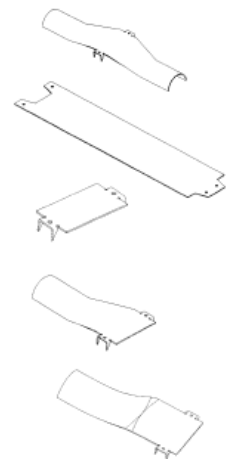


Meter Stub-out

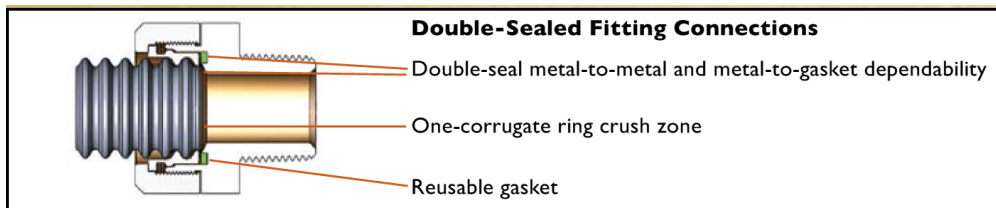


Appliance Stub-out

| | | | |
|--------------------------|--------|--------|--|
| Tee (3/4W x 3/4W x 1/2W) | 110.89 | 2.06 | Striker Plate - Quarter |
| Tee (3/4W x 1/2W x 1/2W) | 130.62 | 4.04 | Striker Plate - Half |
| Tee (1W x 1W x 1/2W) | 217.42 | 8.43 | Striker Plate - Full |
| Tee (1W x 1W x 3/4W) | 250.48 | 4.04 | Striker Plate - Double |
| Tee (1W x 3/4W x 3/4W) | 160.05 | | |
| Tee (1W x 3/4W x 1/2W) | 157.09 | | |
| Gas Valve Box (1/2") | 108.88 | 102.46 | #32078 Ridgid Cutter (3/8"-1" Pipe) |



Indoor Termination



| | | | |
|--|--|--|--|
| 1 Cut Wardflex tubing and remove PE coating to expose a minimum of 4 corrugations. | 2 Slide nut over tubing and place retainer ring. Leave 1-corrugation exposed on the end of tubing. | 3 Slide nut over retainer ring and hand-tighten nut to body. | 4 Tighten with wrenches until nut contacts body. |
|--|--|--|--|

NATURAL GAS

Table A-2 Maximum Capacity of WARDFLEX Corrugated Stainless Steel Tubing in Cubic Feet of Gas per Hour for:
Gas Pressure: 0.5 PSI or less Pressure Drop: 0.5 inches Water Column (Based on 0.60 specific gravity gas)*

| LENGTH OF TUBING RUN | TUBING SIZE & EHD | | | | | | |
|----------------------|-------------------|---------------|---------------|-------------|-----------------|-----------------|-------------|
| | 10A (3/8") 15 | 15A (1/2") 19 | 20A (3/4") 25 | 25A (1") 30 | 32A (1 1/4") 37 | 38A (1-1/2") 48 | 50A (2") 62 |
| 5 feet | 63 | 134 | 270 | 471 | 873 | 2073 | 3993 |
| 10 feet | 44 | 95 | 192 | 330 | 625 | 1473 | 2880 |
| 15 feet | 36 | 77 | 157 | 268 | 514 | 1206 | 2379 |
| 20 feet | 31 | 67 | 137 | 231 | 447 | 1046 | 2077 |
| 25 feet | 27 | 60 | 122 | 206 | 402 | 937 | 1870 |
| 30 feet | 25 | 55 | 112 | 188 | 368 | 857 | 1716 |
| 40 feet | 21 | 47 | 97 | 162 | 320 | 743 | 1498 |
| 50 feet | 19 | 42 | 87 | 144 | 288 | 666 | 1348 |
| 60 feet | 17 | 39 | 80 | 131 | 263 | 609 | 1237 |
| 80 feet | 15 | 33 | 69 | 113 | 230 | 528 | 1080 |
| 100 feet | 13 | 30 | 62 | 101 | 206 | 473 | 972 |
| 150 feet | 10 | 24 | 51 | 82 | 170 | 387 | 803 |
| 200 feet | 9 | 21 | 44 | 71 | 147 | 336 | 701 |
| 300 feet | 7 | 17 | 36 | 57 | 121 | 275 | 579 |
| 500 feet | 5 | 13 | 28 | 44 | 94 | 214 | 455 |

*Table includes losses for four 90 degree bends and 2 end fittings. To compute flow capacity for tubing runs with a larger number of bends and/or fittings, add the appropriate number of feet to the actual run length using the following formula:
L = 1.3 (n) L = Numbers of feet to be added to actual run length. n = Number of bends and/or fittings over six.

PROPANE

Table A-8 Maximum Capacity of WARDFLEX Corrugated Stainless Steel Tubing in KBTU per Hour for:
Gas Pressure: 0.5 PSI or less Pressure Drop: 0.5 Inches W.C. (Based on 1.52 specific gravity gas)*

| LENGTH OF TUBING RUN | TUBING SIZE & EHD | | | | | | |
|----------------------|-------------------|---------------|---------------|-------------|-----------------|-----------------|-------------|
| | 10A (3/8") 15 | 15A (1/2") 19 | 20A (3/4") 25 | 25A (1") 30 | 32A (1-1/4") 37 | 38A (1-1/2") 48 | 50A (2") 62 |
| 5 feet | 100 | 212 | 427 | 745 | 1380 | 3277 | 6312 |
| 10 feet | 70 | 150 | 304 | 522 | 988 | 2328 | 4553 |
| 15 feet | 57 | 122 | 248 | 424 | 812 | 1906 | 3761 |
| 20 feet | 49 | 106 | 217 | 365 | 707 | 1653 | 3283 |
| 25 feet | 43 | 95 | 193 | 326 | 635 | 1481 | 2956 |
| 30 feet | 40 | 87 | 177 | 297 | 582 | 1355 | 2713 |
| 40 feet | 33 | 74 | 153 | 256 | 506 | 1175 | 2368 |
| 50 feet | 30 | 66 | 138 | 228 | 455 | 1053 | 2131 |
| 60 feet | 27 | 62 | 126 | 207 | 416 | 963 | 1955 |
| 80 feet | 24 | 52 | 109 | 179 | 363 | 835 | 1707 |
| 100 feet | 21 | 47 | 98 | 160 | 325 | 748 | 1536 |
| 150 feet | 16 | 38 | 81 | 130 | 268 | 612 | 1269 |
| 200 feet | 14 | 33 | 70 | 112 | 233 | 531 | 1108 |
| 300 feet | 11 | 27 | 57 | 90 | 191 | 435 | 915 |
| 500 feet | 8 | 21 | 44 | 70 | 149 | 338 | 719 |

*Table includes losses for four 90 degree bends and 2 end fittings. To compute flow capacity for tubing runs with a larger number of bends and/or fittings, add the appropriate number of feet to the actual run length using the following formula:
L = 1.3 (n) L = Numbers of feet to be added to actual run length. n = Number of bends and/or fittings over six.

Natural / Propane Gas IPS Pipe Capacity (MBH ≈ CFH)

Gas Pressure 0.5psi or less (11"wc for LP) – Pressure Drop: 0.5in water Column

| Pipe Size (in) | | Pipe Length (ft) | | | | | |
|----------------|---------|------------------|------------|------------|-----------|-----------|-----------|
| Nominal | Pipe ID | 10' | 20' | 40' | 60' | 80' | 100' |
| 1/2" | 0.622 | 170 / 275 | 118 / 189 | 80 / 129 | 64 / 103 | 55 / 89 | 49 / 78 |
| 3/4" | 0.824 | 360 / 567 | 245 / 393 | 169 / 267 | 135 / 217 | 115 / 185 | 102 / 192 |
| 1" | 1.049 | 670 / 1071 | 430 / 732 | 318 / 504 | 255 / 409 | 220 / 346 | 192 / 307 |
| 1 1/4" | 1.380 | 1320 / 2205 | 930 / 1496 | 640 / 1039 | 510 / 834 | 440 / 724 | 390 / 630 |