

# Thermoplastic & Teflon Hose



## THERMOPLASTIC HOSE SERIES TP7



Technical features of the TP7 Series hoses with textile reinforcement in compliance with SAE 100 R7 Standards

| Hose Size |       |      | I.D. | O.D. | Working Pressure |      | Minimum Burst Pressure |       | Minimum Bend Radius |     | Weight (Approx.) |
|-----------|-------|------|------|------|------------------|------|------------------------|-------|---------------------|-----|------------------|
| Type      | inch  | dash | mm   | mm   | bar              | psi  | bar                    | psi   | inch                | mm  | kg/m             |
| * TP7-02  | 1/8"  | -2   | 3.5  | 8.5  | 230              | 3340 | 920                    | 13340 | 0.98                | 25  | 0.057            |
| TP7-03    | 3/16" | -3   | 4.8  | 10.0 | 210              | 3045 | 840                    | 12180 | 1.18                | 30  | 0.073            |
| TP7-04    | 1/4"  | -4   | 6.4  | 11.8 | 200              | 2900 | 800                    | 11600 | 1.38                | 35  | 0.090            |
| TP7-05    | 5/16" | -5   | 8.0  | 14.3 | 187              | 2755 | 750                    | 11020 | 1.77                | 45  | 0.128            |
| TP7-06    | 3/8"  | -6   | 9.5  | 16.0 | 175              | 2535 | 700                    | 10150 | 2.77                | 55  | 0.155            |
| TP7-08    | 1/2"  | -8   | 13.0 | 20.3 | 140              | 2030 | 560                    | 8120  | 2.95                | 75  | 0.224            |
| TP7-10    | 5/8"  | -10  | 16.0 | 23.5 | 105              | 1520 | 420                    | 6090  | 4.72                | 120 | 0.277            |
| TP7-12    | 3/4"  | -12  | 19.2 | 26.5 | 87               | 1305 | 350                    | 5220  | 5.71                | 145 | 0.330            |
| TP7-16    | 1"    | -16  | 25.6 | 32.5 | 70               | 1015 | 280                    | 4060  | 7.87                | 200 | 0.403            |

- **Technical-constructive features:** Internal core in thermoplastic polyester, reinforcement in polyester fibre, exterior covering in polyurethane; on request, it is also available micro-perforated.
- **Applications:** The TP7 series hoses have been created for oleodynamic use at medium pressure.
- **Utilization temperature:** From -40 °C to +100 °C Max. working temperature of air, water and fluids containing water: +65 °C.
- **Working pressure:** As prescribed by SAE standards safety ratio 1:4.
- **Specifications:** Hoses are in compliance with standards SAE J517 sec. SAE 100 R7, EN 855, ISO 3949.

The TP7 series hoses are also available in twin and, on request, multiple versions, with the same technical features as the single version.

\* Not provided for by the standard SAE 100 R7.

## THERMOPLASTIC HOSE SERIES TP8



Technical features of TP8 Series hoses with aramidic fibre reinforcement in compliance with SAE 100 R8 Standards

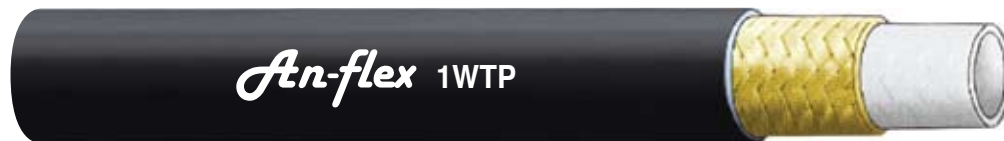
| Hose Size |       |      | I.D. | O.D. | Working Pressure |      | Minimum Burst Pressure |       | Minimum Bend Radius |     | Weight (Approx.) |
|-----------|-------|------|------|------|------------------|------|------------------------|-------|---------------------|-----|------------------|
| Type      | inch  | dash | mm   | mm   | bar              | psi  | bar                    | psi   | inch                | mm  | kg/m             |
| * TP8-02  | 1/8"  | -2   | 3.5  | 7.1  | 420              | 6090 | 1680                   | 24360 | 1.18                | 30  | 0.037            |
| TP8-03    | 3/16" | -3   | 4.8  | 10.0 | 350              | 5075 | 1400                   | 20300 | 1.38                | 35  | 0.072            |
| TP8-04    | 1/4"  | -4   | 6.4  | 11.8 | 350              | 5075 | 1400                   | 20300 | 1.96                | 50  | 0.085            |
| * TP8-05  | 5/16" | -5   | 8.0  | 14.3 | 325              | 4710 | 1300                   | 18850 | 2.36                | 60  | 0.126            |
| TP8-06    | 3/8"  | -6   | 9.5  | 16.0 | 280              | 4060 | 1120                   | 16240 | 2.76                | 70  | 0.146            |
| TP8-08    | 1/2"  | -8   | 13.0 | 20.3 | 245              | 3550 | 980                    | 14210 | 3.74                | 95  | 0.216            |
| TP8-10    | 5/8"  | -10  | 16.0 | 24.5 | 195              | 2830 | 780                    | 11300 | 4.92                | 125 | 0.265            |
| TP8-12    | 3/4"  | -12  | 19.2 | 26.5 | 165              | 2392 | 660                    | 9570  | 5.90                | 150 | 0.352            |
| TP8-16    | 1"    | -16  | 25.6 | 34.7 | 145              | 2100 | 580                    | 8410  | 7.87                | 200 | 0.505            |

- **Technical-constructive features:** Internal core in thermoplastic polyester, aramidic fibre reinforcement, exterior covering in polyurethane; on request, it is also available micro-perforated.
- **Applications:** The hoses in the TP8 series have been created for oleodynamic use at high pressure.
- **Utilization temperature:** From -40 °C to +100 °C Max. working temperature of air, water and fluids containing water: +65 °C.
- **Working pressure:** As prescribed by SAE standards safety ratio 1:4.
- **Specifications:** Hoses are in compliance with standards SAE J517 sec. SAE 100 R8, EN 855, ISO 3949.

The TP8 series hoses are also available in twin and, on request, multiple versions, with the same technical features as the single version.

\* Not provided for by the standard SAE 100 R8.

## 1WTP THERMOPLASTIC HYDRAULIC HOSE



| Hose Size |        |    | I.D. | O.D. | Working Pressure |      | Minimum Burst Pressure |       | Minimum Bend Radius |     | Weight (Approx.) |
|-----------|--------|----|------|------|------------------|------|------------------------|-------|---------------------|-----|------------------|
| Type      | inch   | DN | mm   | mm   | bar              | psi  | bar                    | psi   | inch                | mm  | kg/m             |
| 1WTP-03   | 3/16"  | 5  | 4.7  | 9.5  | 275              | 4000 | 1100                   | 16000 | 1.18                | 30  | 0.133            |
| 1WTP-04   | 1/4"   | 6  | 6.4  | 11.7 | 234              | 3400 | 938                    | 13600 | 1.57                | 40  | 0.170            |
| 1WTP-05   | 5/16"  | 8  | 8.0  | 13.6 | 216              | 3125 | 862                    | 12500 | 1.97                | 50  | 0.221            |
| 1WTP-06   | 3/8"   | 10 | 9.5  | 15.2 | 193              | 2800 | 772                    | 11200 | 2.36                | 60  | 0.260            |
| 1WTP-08   | 1/2"   | 12 | 12.7 | 18.4 | 172              | 2500 | 690                    | 10000 | 2.95                | 75  | 0.326            |
| 1WTP-10   | 5/8"   | 16 | 15.9 | 22.6 | 129              | 1875 | 517                    | 7500  | 4.33                | 110 | 0.412            |
| 1WTP-12   | 3/4"   | 19 | 19.0 | 25.6 | 108              | 1560 | 430                    | 6240  | 5.91                | 150 | 0.454            |
| 1WTP-16   | 1"     | 25 | 25.4 | 32.7 | 86               | 1250 | 345                    | 5000  | 7.28                | 185 | 0.590            |
| 1WTP-20   | 1.1/4" | 32 | 32.0 | 40.0 | 70               | 1015 | 280                    | 4060  | 11.41               | 290 | 0.886            |

- Core: Polyester Elastomer (PE-E) or Nylon (PA).
- Reinforcement: 1 high tensile steel wire braid.
- Cover: Polyurethane (PUR).
- Working Temperature: -40 °C to +90 °C.
- Colour: Black, others upon request.

## 2WTP THERMOPLASTIC HYDRAULIC HOSE



| Hose Size |       |    | I.D. | O.D. | Working Pressure |      | Minimum Burst Pressure |       | Minimum Bend Radius |     | Weight (Approx.) |
|-----------|-------|----|------|------|------------------|------|------------------------|-------|---------------------|-----|------------------|
| Type      | inch  | DN | mm   | mm   | bar              | psi  | bar                    | psi   | inch                | mm  | kg/m             |
| 2WTP-04   | 1/4"  | 6  | 6.4  | 13.8 | 400              | 5800 | 1600                   | 23200 | 1.57                | 40  | 0.294            |
| 2WTP-05   | 5/16" | 8  | 8.0  | 15.2 | 350              | 5075 | 1400                   | 20300 | 1.97                | 50  | 0.346            |
| 2WTP-06   | 3/8"  | 10 | 9.6  | 17.5 | 330              | 4785 | 1320                   | 19140 | 2.36                | 60  | 0.418            |
| 2WTP-08   | 1/2"  | 12 | 12.7 | 21.1 | 275              | 3988 | 1100                   | 15950 | 2.95                | 75  | 0.598            |
| 2WTP-10   | 5/8"  | 16 | 16.0 | 24.6 | 250              | 3625 | 1000                   | 14500 | 4.33                | 110 | 0.660            |
| 2WTP-12   | 3/4"  | 19 | 19.0 | 28.4 | 215              | 3118 | 860                    | 12470 | 5.91                | 150 | 0.788            |
| 2WTP-16   | 1"    | 25 | 25.4 | 34.5 | 165              | 2400 | 660                    | 9600  | 7.28                | 185 | 1.053            |

- Core: Polyester Elastomer (PE-E) or Nylon (PA).
- Reinforcement: 2 high tensile steel wire braid.
- Cover: Polyurethane (PUR).
- Working Temperature: -40 °C to +90 °C.
- Colour: Black, others upon request.

## SEWER JETTING HOSE SERIES SJC7



Technical features of the SJC7 Series hoses with textile reinforcement

| Type Ref. | I.D.   |      | O.D.  |      | Working Pressure |      | Minimum Burst Pressure |       | Minimum Bend Radius |     | Weight (Approx.) |
|-----------|--------|------|-------|------|------------------|------|------------------------|-------|---------------------|-----|------------------|
|           | inch   | mm   | inch  | mm   | bar              | psi  | bar                    | psi   | inch                | mm  | kg/m             |
| SJC7-08   | 1/2"   | 13.0 | 0.881 | 22.4 | 280              | 4060 | 700                    | 10150 | 2.95                | 75  | 0.277            |
| SJC7-10   | 5/8"   | 16.0 | 1.043 | 26.5 | 220              | 3190 | 550                    | 7975  | 3.94                | 100 | 0.372            |
| SJC7-12   | 3/4"   | 19.2 | 1.161 | 29.5 | 200              | 2900 | 500                    | 7250  | 4.72                | 120 | 0.431            |
| SJC7-16   | 1"     | 25.6 | 1.448 | 36.8 | 200              | 2900 | 500                    | 7250  | 5.91                | 150 | 0.550            |
| SJC7-20   | 1.1/4" | 32.0 | 1.811 | 46.0 | 200              | 2900 | 500                    | 7250  | 9.25                | 235 | 0.848            |

**Technical-constructive features:**

Internal core in thermoplastic polyester, reinforcement with two braids in polyester fibre exterior covering in micro-perforated polyurethane.

- **Applications:** The SJC7 series hoses have been created for water applications in the high pressure clearing sector.
- **Utilization temperature:** From -40 °C to +55 °C
- **Working pressure:** Safety ratio 1:4

The SJC7 series hoses are also available in twin and multiple version, on request, with the same technical features as the single version.

## SEWER JETTING HOSE SERIES SJC8



Technical features of the SJC8 Series hoses with textile reinforcement

| Type Ref. | I.D.   |      | O.D.  |      | Working Pressure |      | Minimum Burst Pressure |       | Minimum Bend Radius |       | Weight (Approx.) |
|-----------|--------|------|-------|------|------------------|------|------------------------|-------|---------------------|-------|------------------|
|           | inch   | mm   | inch  | mm   | bar              | psi  | bar                    | psi   | inch                | mm    | kg/m             |
| SJC8-02   | 1/8"   | 3.5  | 0.335 | 8.5  | 345              | 5000 | 862                    | 12500 | 0.98                | 0.025 | 0.057            |
| SJC8-03   | 3/16"  | 4.8  | 0.394 | 10.0 | 345              | 5000 | 862                    | 12500 | 1.18                | 0.030 | 0.073            |
| SJC8-04   | 1/4"   | 6.4  | 0.500 | 12.7 | 345              | 5000 | 862                    | 12500 | 1.97                | 0.050 | 0.108            |
| SJC8-06   | 3/8"   | 9.7  | 0.650 | 16.5 | 345              | 5000 | 862                    | 12500 | 2.95                | 0.075 | 0.157            |
| SJC8-08   | 1/2"   | 13.0 | 0.882 | 22.4 | 345              | 5000 | 862                    | 12500 | 3.94                | 0.100 | 0.292            |
| SJC8-12   | 3/4"   | 19.2 | 1.173 | 29.8 | 250              | 3625 | 625                    | 9060  | 4.72                | 0.120 | 0.460            |
| SJC8-16   | 1"     | 25.6 | 1.469 | 37.3 | 250              | 3625 | 625                    | 9060  | 5.91                | 0.150 | 0.643            |
| SJC8-20   | 1.1/4" | 32.0 | 1.811 | 46.0 | 250              | 3625 | 625                    | 9060  | 9.25                | 0.235 | 0.985            |

**Technical-constructive features:**

Internal core in thermoplastic polymer, reinforcement with double textile fiber braids, exterior covering in antiabrasion polyurethane.

- **Applications:** The SJC8 series hoses have been created for water applications in the high pressure cleaning field.
- **Utilization temperature:** From -40 °C to +55 °C
- **Working pressure:** Safety ratio 1:2.5

## AIRLESS SPARY PAINT HOSE SERIES PH1



Technical features of the Airless Spray Paint PH1 Series hoses with Steel Wire Braid

| Type Ref. | I.D. |     | O.D. |       | Working Pressure |      | Minimum Burst Pressure |       | Minimum Bend Radius |    | Weight (Approx.) |
|-----------|------|-----|------|-------|------------------|------|------------------------|-------|---------------------|----|------------------|
|           | inch | mm  | inch | mm    | bar              | psi  | bar                    | psi   | inch                | mm | kg/m             |
| PH1-04    | 1/4" | 6.4 | 0.46 | 11.70 | 520              | 7540 | 1300                   | 18850 | 1.57                | 40 | 0.157            |
| PH1-06    | 3/8" | 9.6 | 0.60 | 15.30 | 400              | 5800 | 1000                   | 14500 | 2.36                | 60 | 0.241            |

- Technical-constructive features:**  
 Internal core in polyamide, reinforcement with a high tensile steel wire braid, exterior covering in polyurethane; on request it is also available micro perforated.
- Applications:**  
 The hoses in PH1 series have been created for the medium pressure conduction of isocyanates, polyols, solvents and paints.
- Utilization temperature:**  
 From -40 °C to +100 °C  
 Max. working temperature of air, water and fluids containing water: +65 °C
- Working pressure:**  
 SAE standards safety ratio 1:2.5

## AIRLESS SPARY PAINT HOSE SERIES PPH



Technical features of the Airless Spray Paint Hose Series PPH with Aramid Braid

| Type Ref. | I.D. |     | O.D. |       | Working Pressure |      | Minimum Burst Pressure |       | Minimum Bend Radius |    | Weight (Approx.) |
|-----------|------|-----|------|-------|------------------|------|------------------------|-------|---------------------|----|------------------|
|           | inch | mm  | inch | mm    | bar              | psi  | bar                    | psi   | inch                | mm | kg/m             |
| PPH-04    | 1/4" | 6.4 | 0.49 | 12.4  | 345              | 5000 | 1380                   | 20000 | 1.97                | 50 | 0.083            |
| PPH-06    | 3/8" | 9.5 | 0.62 | 15.75 | 345              | 5000 | 1380                   | 20000 | 2.76                | 70 | 0.168            |

- Technical-constructive features:**  
 Internal core in polyamide, reinforcement with a aramid braid, exterior covering in polyurethane; on request it is also available micro perforated.
- Applications:**  
 The hoses in PHH series have been created for the medium pressure conduction of isocyanates, polyols, solvents and paints.
- Utilization temperature:**  
 From -40 °C to +100 °C  
 Max. working temperature of air, water and fluids containing water: +65 °C
- Working pressure:**  
 SAE standards safety ratio 1:2.5



## HIGH PRESSURE JACK HOSE TPJH



### Technical features

| Type Ref. | I.D. |     | O.D. |      | Working Pressure |       | Minimum Burst Pressure |       | Minimum Bend Radius |    | Weight (Approx.)<br>kg/m |
|-----------|------|-----|------|------|------------------|-------|------------------------|-------|---------------------|----|--------------------------|
|           | inch | mm  | inch | mm   | bar              | psi   | bar                    | psi   | inch                | mm |                          |
| TPJH-04   | 1/4" | 6.4 | 0.55 | 14.0 | 720              | 10440 | 1800                   | 26100 | 1.38                | 35 | 0.180                    |
| TPJH-06   | 3/8" | 9.5 | 0.69 | 17.5 | 720              | 10440 | 1800                   | 26100 | 3.54                | 90 | 0.330                    |

- Inner Core : Polyester Elastomer
- Reinforcement : 2 High Tensile Wire
- Cover : Polyurethane
- Working Temperature : -40 °C to +100 °C
- Colour : Blue / Red / Yellow / Black

## HIGH PRESSURE JACK HOSE TUJH

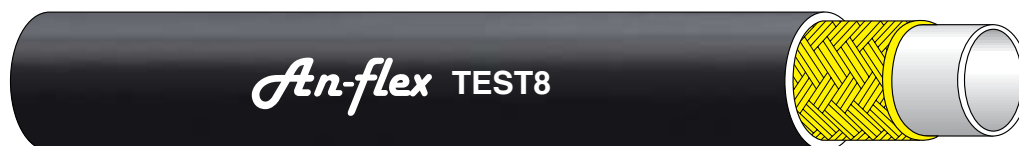


### Technical features

| Type Ref. | I.D. |      | O.D. |      | Working Pressure |       | Minimum Burst Pressure |       | Minimum Bend Radius |     | Weight (Approx.)<br>kg/m |
|-----------|------|------|------|------|------------------|-------|------------------------|-------|---------------------|-----|--------------------------|
|           | inch | mm   | inch | mm   | bar              | psi   | bar                    | psi   | inch                | mm  |                          |
| TUJH-04   | 1/4" | 6.4  | 0.55 | 14.0 | 720              | 10440 | 2800                   | 41760 | 2.80                | 70  | 0.260                    |
| TUJH-06   | 3/8" | 9.5  | 0.69 | 17.5 | 720              | 10440 | 2800                   | 41760 | 4.00                | 100 | 0.344                    |
| TUJH-08   | 1/2" | 12.7 | 0.80 | 20.3 | 700              | 10000 | 2800                   | 40000 | 7.20                | 180 | 0.520                    |

- Inner Core : Polyester Elastomer
- Reinforcement : 1 Kevlar and 1 High Tensile Wire
- Cover : Polyurethane
- Working Temperature : -40 °C to +100 °C
- Colour : Blue / Red / Yellow / Black

## THERMOPLASTIC HOSE SERIES TEST8



### Technical features of the Test8 Series micro-hoses with aramids fibre reinforcement

| Type Ref. | I.D.  |     | O.D.  |     | Working Pressure |      | Minimum Burst Pressure |       | Minimum Bend Radius |    | Weight (Approx.)<br>kg/m |
|-----------|-------|-----|-------|-----|------------------|------|------------------------|-------|---------------------|----|--------------------------|
|           | inch  | mm  | inch  | mm  | bar              | psi  | bar                    | psi   | inch                | mm |                          |
| TEST8-121 | 1/12" | 2.1 | 0.216 | 5.5 | 630              | 9135 | 1890                   | 27405 | 0.78                | 20 | 0.023                    |
| TEST8-026 | 1/10" | 2.6 | 0.216 | 5.5 | 630              | 9135 | 1890                   | 27405 | 0.78                | 20 | 0.023                    |
| TEST8-027 | 1/10" | 2.7 | 0.216 | 5.5 | 630              | 9135 | 1890                   | 27405 | 0.78                | 20 | 0.022                    |
| TEST8-040 | 5/32" | 4.0 | 0.315 | 8.0 | 500              | 7250 | 1500                   | 21750 | 1.38                | 35 | 0.044                    |

- **Technical-constructive features:** Internal core in thermoplastic polyester, reinforcement with aramid fibre braid, exterior covering in polyurethane; on request it is also available micro perforated.
- **Applications:** Micro-hoses Test8 series have been created for oleodynamic use at high and very high pressure.
- **Utilization temperature:** From -40 °C to +93 °C Max. working temperature of air, water and fluids containing water: +65 °C