

# *Certificate of Conformance*

*to*

*EN15182-2 (2010) Handheld Branchpipes for Fire Service Use*

*Task Force Tips, Inc. certifies that the following nozzles meet or exceed the requirements found in the EN15182-2 (2010) standard.*

**G-Force (GP\*\*G\*\*) PN 16**

*For supporting documentation contact us at [www.tft.com](http://www.tft.com)*



***TASK FORCE TIPS***

*Delivers what our customers need, when they need it.*



TASK FORCE TIPS, INC  
REGISTERED TO ISO 9001:2008  
FILE NUMBER 10001004 QM08

## Annex C (normative)

### Datasheet for hand-held branchpipes for fire service use

#### C.1 General

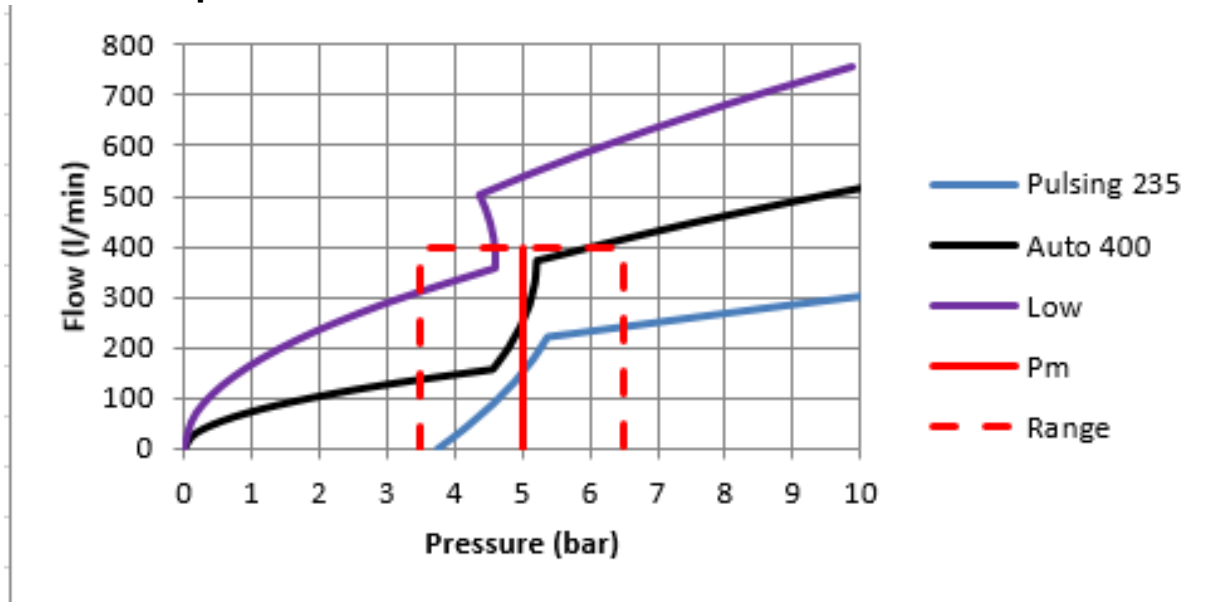
**NOTE 1** The symbol \* means “where applicable” in the whole datasheet

**NOTE 2** Actual test results can be entered in the data sheet when these results exceed the minimum requirements given in this Standard

#### C.2 General data

|   |  |
|---|--|
| <b>1.1</b> Manufacturer                         | <b>Task Force Tips, Inc., Valparaiso, IN</b> |
| <b>1.2</b> Type                                 | <b>G-Force (GP**G**) Pn 16</b>               |
| <b>1.3</b> Type according to EN 15182-1 Annex A | <b>4.2</b>                                   |
| <b>1.4</b> Flowrate (l/min) at $p_R$            | <b>0-400 l/min @ 6 bar</b>                   |
| <b>1.5</b> Flow settings *                      | <b>Pulsing 235, Auto 400, Low</b>            |
| <b>1.6</b> Type of spray *                      | <b>Full cone</b>                             |

**C.3 Flow pressure chart**



| (l/min) | Reach (meters) |        |      |
|---------|----------------|--------|------|
| Flow    | Straight       | Narrow | Wide |
| 235     | 33             | 13     | 6    |
| 400     | 40             | 16     | 8    |

**C.4 Operational devices**

|                                     |                  |
|-------------------------------------|------------------|
| <b>3.1 Fitting system</b>           | Full time swivel |
| <b>3.2 Gripping device</b>          | Pistol grip      |
| <b>3.3 Open/shut-off device *</b>   | Slide Valve      |
| <b>3.4 Jet/spray system *</b>       | Rotating         |
| <b>3.5 Flow adjustment system *</b> | Rotating         |

## C.5 Requirements

| OPERATING AND HANDLING  | Relevant sub clause number per standard   | Item                    | Minimum Requirement | Test Result |  |
|-------------------------|---|-------------------------|---------------------|-------------|--|
|                         | EN15182-2/4.2.1   | <b>Dimensions (mm)</b>  | ≤ 450x300x150       | 254x120x248 |  |
|                         |   | <b>Mass (kg)</b>        | ≤ 3.5               | 2.0         |  |
|                         | <b>Torques needed for moving operating elements (N·m)</b>                       |                         |                     |             |  |
|                         | EN15182-2/4.2.2   | Lever *                 | ≤ 15                | n/a         |  |
|                         |   | Valve Handle *          | ≤ 15                | 4.1         |  |
|                         |   | Flow adjustment element | ≤ 15                | 5.6         |  |
|                         |   | Jet adjustment element  | ≤ 10                | 1.0         |  |
|                         |   | Rotating inlet element  | ≤ 5                 | 1.5         |  |
|                         | <b>Flow adjustment *</b>  |                         |                     |             |  |
| EN15182-2/4.2.3         | Rotation from minimal to maximal flow   | ≤ 180°                  | 156°                |             |  |
| <b>Jet adjustment *</b> |   |                         |                     |             |  |
| EN15182-2/4.2.4         | Rotation from straight jet to wide spray jet with a minimal spray angle of 100° | 70° - 180°              | 160°                |             |  |

| PERFORMANCE | Relevant sub clause number per standard | Item                       | Minimum Requirement | Test Result |  |
|-------------|---|----------------------------|---------------------|-------------|--|
|             | EN15182-2/4.3.3                         | <b>Effective throw (m)</b> | 33                  | 40          |  |
|             | <b>Spray jet *</b>                      |                            |                     |             |  |
|             | EN15182-2/4.3.4                         | Wide spray jet *: angle    | ≤ 100°              | PASS        |  |
|             | EN15182-2/4.3.5                         | Narrow spray jet *: angle  | ≤ 30°               | PASS        |  |

| PHYSICS | Relevant sub clause number per standard | Item                              | Minimum Requirement                  | Test Result |
|---------|---|-----------------------------------|--------------------------------------|-------------|
|         | EN15182-1/7.2.2                         | <b>Sensitivity to frost (° C)</b> | Operational after 30 min @ (-15±2)°C | PASS        |
|         | EN15182-1/7.2.1                         | <b>Sensitivity to heat (° C)</b>  | Operational after 24 h @ (55±2)°C    | PASS        |
|         | EN15182-1/6.3.1                         | <b>Non-obstruction test (mm)</b>  | 4,76                                 | PASS        |
|         | EN15182-2/4.3.1                         | <b>Burst pressure (bar)</b>       | ≥ 60 bar                             | PASS        |

### C.6 Operational extra data (no requirements)

| Relevant sub clause number per standard | Item           | Test Result   |
|---|----------------|---|
| <b>Ageing tests</b>                     |                |   |
|   | UV test        |   |
|   | Ozone test     |   |
|   | Corrosion test | HARDCOAT<br>EXCEED<br>MILITARY<br>SPECIFICATION<br>MILA-8625F |

### C.7 Data certified by \*:

**Adam Ritchey**  
Quality Manager  
Task Force Tips