# Lance Tips

## Select the right tip for your job:

- **Buy tip 1/8 in. smaller diameter than tube ID to minimize “hydraulicing”**
- **Buy TC Tip for powerful unplugging**
- **Buy CD Tip for unplugging and polishing**
- **Buy TD Tip for economy and versatile jet patterns**

**CD Lance Tip**
*For removal of hard plugs from heat exchanger tubes*
.31- 1.62 in. (8-41 mm) OD
Drilled Jets, Carbide Cutter
**Jet Styles Available:**
- 1 @ 5°, 15°, 2 @ 135°
- 1 @ 5° & 15°

**TC Lance Tip**
*Unplugging heavy deposits, Maximum jet hitting power*
.5- 1.0 in. (12-25 mm) OD
Single 8° Carbide Nozzle
No Carbide Cutter

**TD Lance Tip**
*For economy and versatility*
.5- 1.0 in. (12-25 mm) OD
Drilled Jets
No Carbide Cutter
**Jet Styles Available:**
- 1 @ 10°, 20°, & 30°, 2 @ 135°
- 1 @ 10°, 20°, & 30°
- 2 @ 45°, 2 @ 135°
- 2 @ 60°
- 2 @ 90°

## Specifications

| Body Diameter | 3/8 in. 9.5 mm | 7/16 in. 11.1 mm | 1/2 in. 12.2 mm | 5/8 in. 15.9 mm | 3/4 in. 19.0 mm |
|---|---|---|---|---|---|
| **Low Pressure** | | | **15 Kpsi 1030 bar MAWP** | | |
| | **CD 006-S4 TD 006-S4** | **CD 007-S6 TD 007-S6** | **CD 008-P2 TD 008-P2 TC 008-P2** | **CD 010-P4 TD 010-P4 TC 010-P4** | **CD 012-P4** |
| **Lance Threads** | 1/4” OD 1/4x28 | 3/8” OD 3/8x24 | 1/8” Pipe 1/8 npt | 1/4” Pipe 1/4 npt | 1/4” Pipe 1/4 npt |
| **Medium Pressure** | | | **20 Kpsi 1380 bar MAWP - Right-Hand MP Threads** | | |
| | **CD 006-S4 TD 006-S4** | **CD 007-M6 TD 007-M6** | **CD 008-M6 TD 008-M6 TC 008-M6** | | **CD 012-M9 TD 012-M9 TC 012-M9** |
| **Lance Threads** | 1/4” MP 1/4x28 | 3/8” MP 3/8x24 | 3/8” MP 3/8x24 | | 9/16” MP 9/16x18 |
| **High Pressure** | | | **40 Kpsi 2760 bar MAWP - Right-Hand HP Threads** | | |
| | | | **TD 008-H6** | | **TD 012-H9** |
| **Lance Threads** | | | 3/8” HP 3/8x24 | | 9/16” HP 9/16x18 |

## Lance Selection for Maximum Power

| Jet for flows (gpm) no greater than: | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **Lance** | **1/4 HP** | **3/8 HP** | **9/16 HP** | **1/4 MP** | **3/8 MP** | **9/16 MP** | **1/8 Sch 80** | **1/4 SCH 80** |
| 15 ft. | 3.1 | 9.0 | 24 | 4.4 | 20 | 60 | 20 | 50 |
| 25 ft. | 2.4 | 6.8 | 18 | 3.4 | 16 | 45 | 16 | 35 |
| 35 ft. | 2.1 | 5.8 | 16 | 2.9 | 14 | 40 | 14 | 30 |