

## Pitot Design Comparisons

|   | <b>CTTA - 7/8" Shaft<br/>Legacy** Design</b>                                 | <b>CTTA - 1" Shaft<br/>Standard Design</b>                                | <b>McHale - 1" Shaft<br/>Standard Design</b>        | <b>CleanAir - 1" Shaft<br/>Standard Design</b> |
|---|--|---|---|--|
| Tip Material  | Stainless Steel  | Stainless Steel   | Stainless Steel                                     | Brass  |
| Stop Collar   | Removable<br>Spiral Snap Ring  | Removable<br>Spiral Snap Ring   | Removable<br>Spiral Snap Ring                       | Permanent<br>Brass Shoulder                    |
| Shaft Material  | 7/8" Diameter<br>Stainless   | 1" Diameter<br>Stainless  | 1" Diameter<br>Stainless                            | 1" Diameter<br>Stainless                       |
| Shaft Nominal<br>Length (NL)*   | 24" to 48"<br>As specified   | 24" to 72" Standard<br>Contact for Longer Size                            |   |  |
| Pitot Tap Adapter<br>Fitting  | Brass<br>1" NPTM   | Brass<br>1-1/4" NPTM  | Stainless Steel<br>1-1/4"NPTM                       | Brass<br>1-1/4" NPTM                           |
| Packing/Seal  | Swagelok<br>Brass + Nylon Ferrules   | Swagelok***<br>Brass + Nylon Ferrules                                     | Swagelok<br>Stainless + Nylon                       | Custom<br>Brass + O-Rings                      |
| Packing/Seal Lock   | Swagelok with<br>Knurled Grip Ring   | Swagelok***with<br>Knurled Grip Ring                                      | Swagelok with<br>Welded Arm                         | Custom<br>Part of Packing Seal                 |
| Position Indicator  | Stafford - SS Shaft Collar<br>+ "Quick Grip" Handle                          | Stafford - SS Shaft Collar<br>+ "Quick Grip" Handle                       | Stafford - SS Shaft Collar<br>+ "Quick Grip" Handle | Custom<br>Shaft Collar                         |
| Movable Handle  | Same parts as<br>Position Incator  | Same parts as<br>Position Incator   | Same parts as<br>Position Incator                   | N/A  |
| Manometer Adaptor   | Custom - Stainless<br>2-Piece Removable                                      | Custom - Stainless<br>2-Piece Removable                                   | EPA Style with 90°<br>Bent Stainless Tubes          | Custom - Brass                                 |
| Fixed Handle  | Brass - Attached to<br>Manometer Adapter                                     | Brass - Attached to<br>Manometer Adapter                                  | N/A   | All-Thread Through<br>Manometer Adaptor        |
| Orientation Indicator   | Same As Fixed Handle<br>Or "Quick Grip" Handle                               | Same As Fixed Handle<br>Or "Quick Grip" Handle                            | Shallow Slot at Back<br>End + Manometer Tubes       | Same As<br>Fixed Handle                        |
| *NL = Shaft Cut Length<br>Worknig WL = NL - 4"<br>Shipping SL = NL + 4.5" | ** Legacy Design Fits<br>Thru 1" Full Port Valve<br>Like Simplex Pitot Tubes | *** An O-Ring Alternate<br>Design Available Soon<br>With Mechanical Clamp |   |  |