

## Weld-in thermowell



### Product features:

- Provides isolation between the temperature instrument and the process media
- Allows the instrument to be removed without draining the system
- Manufactured from solid bar stock
- Available in a wide range of materials for many different process applications
- Suitable for various temperature measuring instruments
- Various bore diameters to suit a wide range of temperature sensors
- Wake frequency calculation optional
- **Brannan** quality

### Product applications:

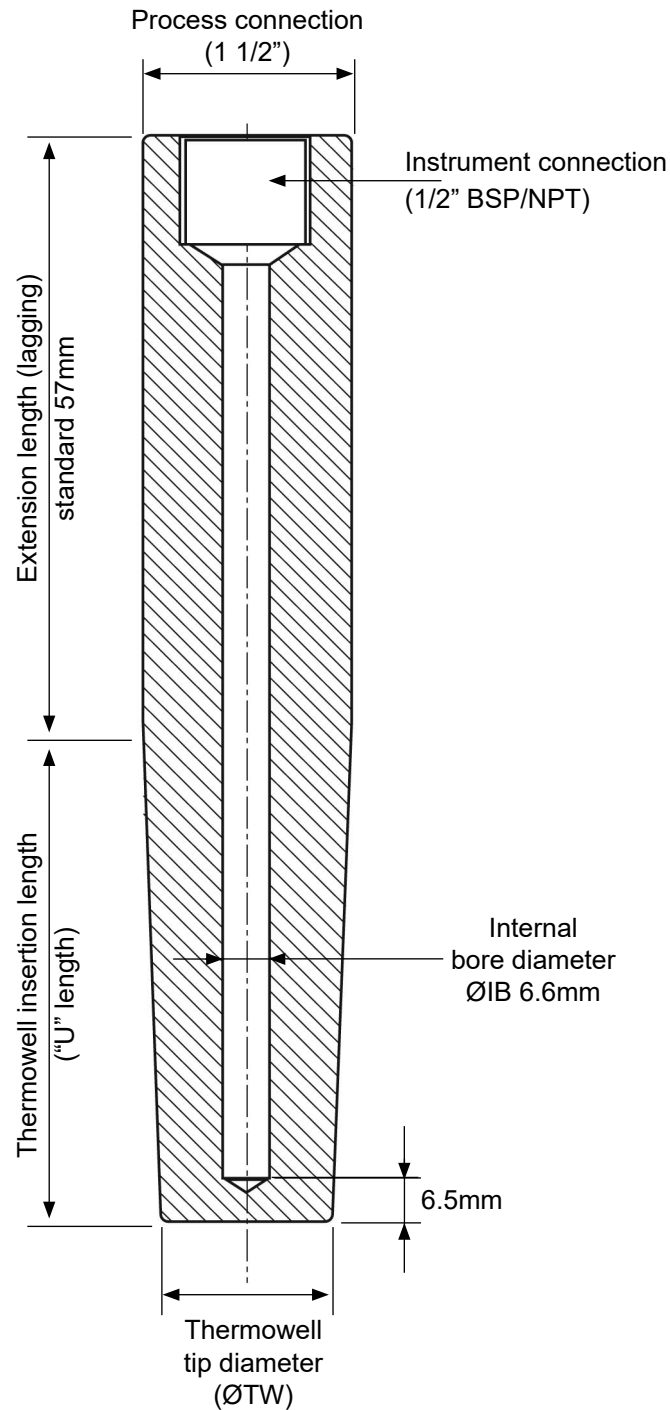
- Suitable for high velocity, high temperature and high pressure applications
- Oil and gas
- Chemical and petrochemical
- Power generation
- Water and wastewater
- Other process applications

### Product specifications:

|                                  |                                                                                      |
|----------------------------------|--------------------------------------------------------------------------------------|
| <b>Type</b>                      | Weld-In type thermowell                                                              |
| <b>Design</b>                    | Single piece drilled bar stock                                                       |
| <b>Thermowell length</b>         | On request                                                                           |
| <b>Internal Bore diameter</b>    | 6.6mm (others available on request)                                                  |
| <b>Process Connection</b>        | 1 ½" (others available on request)                                                   |
| <b>Instrument Connection (F)</b> | ½" BSP/NPT                                                                           |
| <b>Material</b>                  | SS 304, SS 316, SS 316L, Monel, Hastelloy-C, Duplex<br>(others available on request) |
| <b>Pressure rating</b>           | Dependent on thermowell specification                                                |

## Weld-in thermowell

### Product dimensions:



## Weld-in thermowell

### Product numbers:

All ATW042 thermowells are ordered to specific customer specifications. Please use below matrix to create your unique ordering product reference, using the values in bold.

| Make          | Model          | Material                    | Internal bore diameter      | Thermowell Insertion length (U) | Extension length (E)                                 | Instrument connection       | Process connection                                                                                               | Extras                                        |
|---------------|----------------|-----------------------------|-----------------------------|---------------------------------|------------------------------------------------------|-----------------------------|------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| Brannan (BRN) | ATW042 (ATW42) | SS304 (304)                 | 6.6mm (6.6)                 | e.g. (100) for 100mm            | Standard 57mm (STD)                                  | 1/2" BSP (7)                | 1 1/2" (1.5)                                                                                                     | Compliance to NACE MR-0175 (NACE)             |
|               |                | SS316 (316)                 |                             |                                 | For other lengths, specify in mm, e.g. (80) for 50mm | 1/2" NPT (8)                |                                                                                                                  | Materials test certificate (MTC)              |
|               |                | SS316L (316L)               |                             |                                 |                                                      |                             |                                                                                                                  | Wake frequency calculation ASM PTC 19.3 (WFC) |
|               |                | Monel (MON)                 |                             |                                 |                                                      |                             |                                                                                                                  |                                               |
|               |                | Hastelloy-C (HAS)           |                             |                                 |                                                      |                             |                                                                                                                  |                                               |
|               |                | Inconel (INC)               |                             |                                 |                                                      |                             |                                                                                                                  |                                               |
|               |                | Duplex SS (DUP)             |                             |                                 |                                                      |                             |                                                                                                                  |                                               |
|               |                | Others available on request | Others available on request |                                 |                                                      | Others available on request | NB. When more than one extra is required, separate each code with a hyphen when building your product reference. |                                               |

### Order example:

| Make | Model | Material | Internal bore diameter | Thermowell Insertion length (U) | Extension length (E) | Instrument connection | Process connection | Extras |
|------|-------|----------|------------------------|---------------------------------|----------------------|-----------------------|--------------------|--------|
| BRN  | ATW42 | 316L     | 6.6                    | 150                             | STD                  | 8                     | 1.5                | WFC    |

**Product reference:** BRNTW42/316L/6.6/150/STD/8/1.5/WFC