

# Syphons

WS, LWS and UWS Series



## Features

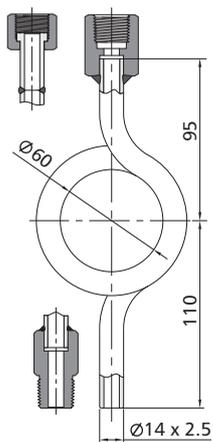
- Maximum working temperature: 850°F (454°C).
- Working pressure up to: 6000 psig (414 bar). Multiply the working pressure by the elevated temperature factors to get the working pressure at elevated temperature. To locate the elevated temperature factor, please refer to the related information on page F-14.
- Standard materials are 316 SS and 304 SS, other materials are available upon request.

## Material Specifications

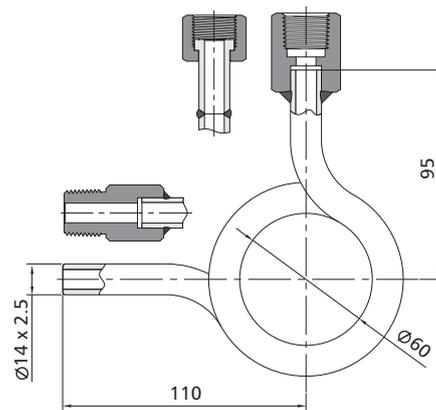
| Component | Material Specifications |
|-----------|-------------------------|
| Tube      | 316L or 304L/A269       |
| Connector | 316 or 304/A276         |

## Types and Dimensions

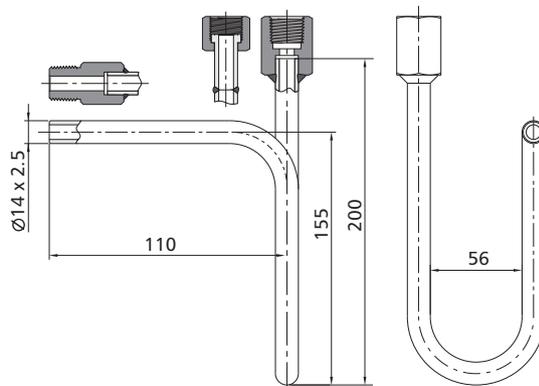
WS Series



LWS Series



UWS Series



Dimensions are in mm unless otherwise specified. They are for reference only and are subject to change.

## Ordering Information

Add the material designator as prefix to the basic ordering number (SS for 316 SS, S4 for 304 SS).

Example: **SS-WS-MTB14**

| End Types and Size                      |                                | Basic Ordering Number |                  |                  |
|---|--------------------------------|-----------------------|------------------|------------------|
| Cock End                                | Process End                    | WS Series             | LWS Series       | UWS Series       |
| 1/2 Female NPT                          | 1/2 Female NPT                 | -WS-FNS8              | -LWS-FNS8        | -UWS-FNS8        |
| 1/2 Female NPT                          | 1/4 Female NPT                 | -WS-FNS8-FNS4         | -LWS-FNS8-FNS4   | -UWS-FNS8-FNS4   |
| 1/2 Female NPT                          | 1/2 Female ISO Parallel Thread | -WS-FNS8-RG8          | -LWS-FNS8-RG8    | -UWS-FNS8-RG8    |
| 1/2 Female NPT                          | 1/4 Female ISO Parallel Thread | -WS-FNS8-RG4          | -LWS-FNS8-RG4    | -UWS-FNS8-RG4    |
| 1/2 Female NPT                          | M20 x 1.5 Female ISO           | -WS-FNS8-MG20         | -LWS-FNS8-MG20   | -UWS-FNS8-MG20   |
| 1/2 Female NPT                          | M14 x 1.5 Female ISO           | -WS-FNS8-MG14         | -LWS-FNS8-MG14   | -UWS-FNS8-MG14   |
| 1/2 Female NPT                          | 1/2 Tube Socket Weld           | -WS-FNS8-TS8          | -LWS-FNS8-TS8    | -UWS-FNS8-TS8    |
| 1/2 Female NPT                          | 14 mm Tube Socket Weld         | -WS-FNS8-MTS14        | -LWS-FNS8-MTS14  | -UWS-FNS8-MTS14  |
| M20 x 1.5 Female ISO                    | M20 x 1.5 Female ISO           | -WS-MG20              | -LWS-MG20        | -UWS-MG20        |
| M20 x 1.5 Female ISO                    | M14 x 1.5 Female ISO           | -WS-MG20-MG14         | -LWS-MG20-MG14   | -UWS-MG20-MG14   |
| M20 x 1.5 Female ISO                    | ∅ 14 x 2.5                     | -WS-MG20-MTB14        | -LWS-MG20-MTB14  | -UWS-MG20-MTB14  |
| Rotating M20 x 1.5 Female ISO           | M20 x 1.5 Female ISO           | -WS-RMG20-MG20        | -LWS-RMG20-MG20  | -UWS-RMG20-MG20  |
| Rotating M20 x 1.5 Female ISO           | M14 x 1.5 Female ISO           | -WS-RMG20-MG14        | -LWS-RMG20-MG14  | -UWS-RMG20-MG14  |
| Rotating M20 x 1.5 Female ISO           | ∅ 14 x 2.5                     | -WS-RMG20-MTB14       | -LWS-RMG20-MTB14 | -UWS-RMG20-MTB14 |
| 1/2 Female ISO Parallel Thread          | M20 x 1.5 Female ISO           | -WS-RG8-MG20          | -LWS-RG8-MG20    | -UWS-RG8-MG20    |
| 1/2 Female ISO Parallel Thread          | M14 x 1.5 Female ISO           | -WS-RG8-MG14          | -LWS-RG8-MG14    | -UWS-RG8-MG14    |
| 1/2 Female ISO Parallel Thread          | ∅ 14 x 2.5                     | -WS-RG8-MTB14         | -LWS-RG8-MTB14   | -UWS-RG8-MTB14   |
| Rotating 1/2 Female ISO Parallel Thread | M20 x 1.5 Female ISO           | -WS-RRG8-MG20         | -LWS-RRG8-MG20   | -UWS-RRG8-MG20   |
| Rotating 1/2 Female ISO Parallel Thread | M14 x 1.5 Female ISO           | -WS-RRG8-MG14         | -LWS-RRG8-MG14   | -UWS-RRG8-MG14   |
| Rotating 1/2 Female ISO Parallel Thread | ∅ 14 x 2.5                     | -WS-RRG8-MTB14        | -LWS-RRG8-MTB14  | -UWS-RRG8-MTB14  |
| ∅ 14 x 2.5                              | ∅ 14 x 2.5                     | -WS-MTB14             | -LWS-MTB14       | -UWS-MTB14       |
| 1/2 Male NPT                            | 1/2 Male NPT                   | -WS-NS8               | -LWS-NS8         | -UWS-NS8         |
| 1/2 Male NPT                            | 1/4 Female NPT                 | -WS-NS8-FNS4          | -LWS-NS8-FNS4    | -UWS-NS8-FNS4    |
| 1/2 Male ISO Parallel Thread            | 1/4 Male ISO Parallel Thread   | -WS-BP8-BP4           | -LWS-BP8-BP4     | -UWS-BP8-BP4     |
| 1/2 Male ISO Parallel Thread            | 1/4 Female ISO Parallel Thread | -WS-BP8-RG4           | -LWS-BP8-RG4     | -UWS-BP8-RG4     |
| M20 x 1.5 Male ISO                      | M20 x 1.5 Female ISO           | -WS-MS20-MG20         | -LWS-MS20-MG20   | -UWS-MS20-MG20   |
| M20 x 1.5 Male ISO                      | M14 x 1.5 Female ISO           | -WS-MS20-MG14         | -LWS-MS20-MG14   | -UWS-MS20-MG14   |
| M14 x 1.5 Male ISO                      | M20 x 1.5 Female ISO           | -WS-MS14-MG20         | -LWS-MS14-MG20   | -UWS-MS14-MG20   |
| M14 x 1.5 Male ISO                      | M14 x 1.5 Female ISO           | -WS-MS14-MG14         | -LWS-MS14-MG14   | -UWS-MS14-MG14   |

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