



Handbook

# ABDT-LZB-WS

## Sanitary Glass tube Rotameter

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## I. Product Overview

This series of flowmeters with glass tube are mainly composed of conical glass tubes, float, upper and lower outside nuts, and stainless steel tubes. They are easy to install and can be applied in semiconductor liquid crystal manufacturing equipment, chemicals and other fields. The upper and lower connections can be varied, for pipe threaded joint, sanitary clamp connection or flange connection.



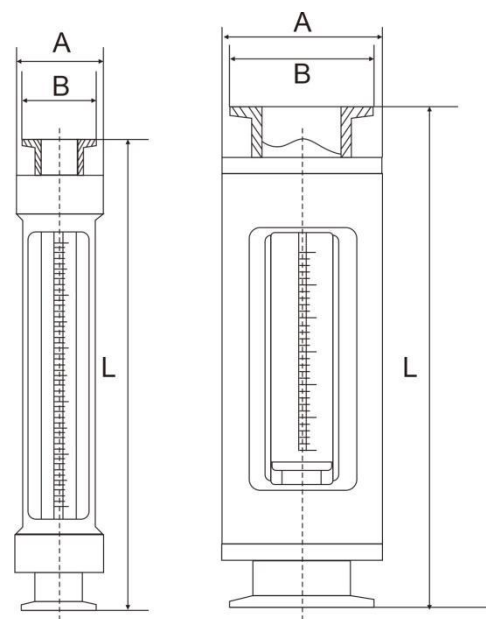
## II. Technical Parameters

| Model                                                                            | Flow range             |              |                           |              |
|----------------------------------------------------------------------------------|------------------------|--------------|---------------------------|--------------|
|                                                                                  | Liquid                 | Alarm signal | Air                       | Alarm signal |
| ABDT-LZB-WS-10G<br>ABDT-LZB-WS-10K<br>ABDT-LZB-WS-15F                            | 4~40L/h                | -            | 100~1000L/h               | -            |
|                                                                                  | 6~60L/h                |              | 160~1600L/h               |              |
|                                                                                  | 10~100L/h              |              | 0.25~2.5m <sup>3</sup> /h |              |
|                                                                                  | 16~160L/h              |              |                           |              |
|                                                                                  | 25~250L/h              | Addible      | 0.6~6m <sup>3</sup> /h    |              |
| ABDT-LZB-WS-15G/20G/25G<br>ABDT-LZB-WS-25K<br>ABDT-LZB-WS-20F/25F                | 0.3~5L/min             | -            | 1~10m <sup>3</sup> /h     | -            |
|                                                                                  | 1~10L/min              | Addible      | 2~20m <sup>3</sup> /h     |              |
|                                                                                  | 1.5~15L/min            | -            | 3~30m <sup>3</sup> /h     |              |
|                                                                                  | 2~20L/min              | Addible      |                           | Addible      |
|                                                                                  | 3~30L/min              |              | 5~50m <sup>3</sup> /h     |              |
|                                                                                  | 4~40L/min              |              | 8~80m <sup>3</sup> /h     |              |
|                                                                                  | 5~50L/min              |              | 25~100m <sup>3</sup> /h   |              |
|                                                                                  | 12~60L/min             |              | 36~180m <sup>3</sup> /h   |              |
|                                                                                  | 20~100L/min            |              |                           |              |
| ABDT-LZB-WS-15G-C<br>ABDT-LZB-WS-20G-C<br>ABDT-LZB-WS-25G-C<br>ABDT-LZB-WS-25K-C | 60-600L/H              | Addible      | -                         | -            |
|                                                                                  | 100-1000L/H            |              |                           |              |
|                                                                                  | 160-1600L/H            |              |                           |              |
|                                                                                  | 250-2500L/H            |              |                           |              |
|                                                                                  | 300-3000L/H            |              |                           |              |
|                                                                                  | 800-4000L/H            |              |                           |              |
|                                                                                  | 600-6000L/H            |              |                           |              |
| ABDT-LZB-WS-40G                                                                  | 0.6~6m <sup>3</sup> /h | Addible      | 18~180m <sup>3</sup> /h   | -            |

|                                                                                                   |                       |         |                          |   |
|---------------------------------------------------------------------------------------------------|-----------------------|---------|--------------------------|---|
| ABDT-LZB-WS-40K<br>ABDT-LZB-WS-40F<br>ABDT-LZB-WS-40/50F                                          | 1~10m <sup>3</sup> /h | Addible | 30~300m <sup>3</sup> /h  | - |
|                                                                                                   | 2~16m <sup>3</sup> /h |         | 60~480m <sup>3</sup> /h  |   |
|                                                                                                   | 5~25m <sup>3</sup> /h |         | 150~750m <sup>3</sup> /h |   |
|                                                                                                   | 5~30m <sup>3</sup> /h |         |                          |   |
| ABDT-LZB-WS-50G<br>ABDT-LZB-WS-50K<br>ABDT-LZB-WS-50F<br>ABDT-LZB-WS-50/65F<br>ABDT-LZB-WS-50/80F | 4~40m <sup>3</sup> /h | -       | -                        | - |
|                                                                                                   | 5~50m <sup>3</sup> /h |         |                          |   |
|                                                                                                   | 6~60m <sup>3</sup> /h |         |                          |   |
|                                                                                                   | 8~80m <sup>3</sup> /h |         |                          |   |

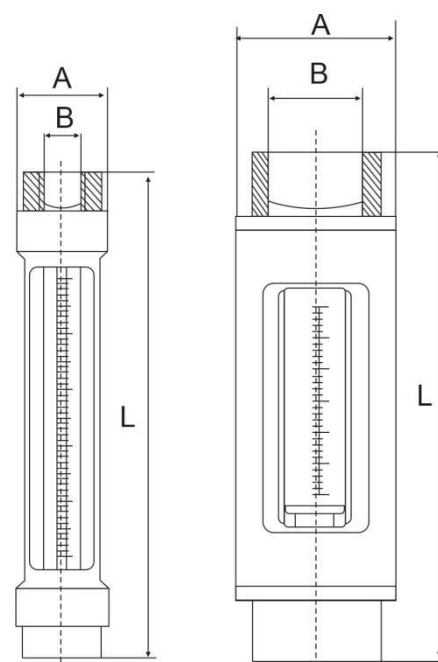
### III. Installation Dimension

| Model             | ABDT-LZB-WS Clamp connection(mm) |                                            |     |
|-------------------|----------------------------------|--------------------------------------------|-----|
|                   | A                                | B                                          | L   |
| ABDT-LZB-WS-10K   | Φ 27                             | Φ 25.4<br>(customizable Φ 50.5)            | 200 |
| ABDT-LZB-WS-25K   | Φ 53                             | Φ 50.5<br>(customizable Φ 64)              | 180 |
| ABDT-LZB-WS-25K-C | Φ 53                             | Φ 50.5<br>(customizable Φ 64)              | 250 |
| ABDT-LZB-WS-40K   | Φ 73                             | Φ 64<br>(customizable Φ 50.5、<br>Φ 77)     | 280 |
| ABDT-LZB-WS-50K   | Φ 96                             | Φ 77<br>(customizable Φ 64、<br>Φ 91、Φ 106) | 350 |



ABDT-LZB-WS-10K

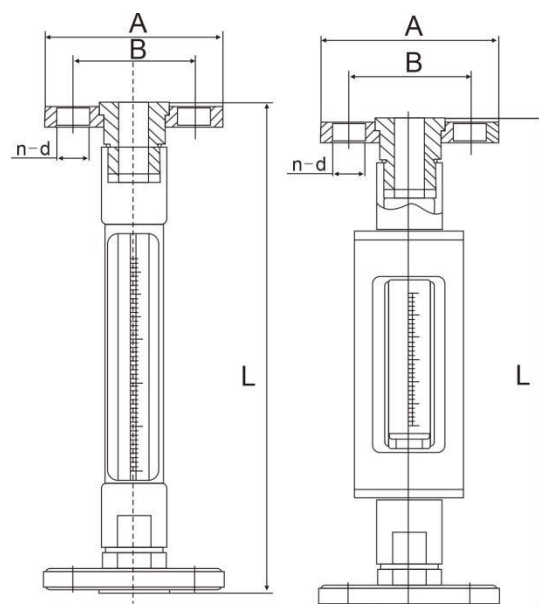
| Model             | ABDT-LZB-WS Thread connection (mm) |        |     |
|-------------------|------------------------------------|--------|-----|
|                   | A                                  | B      | L   |
| ABDT-LZB-WS-10G   | Φ 27                               | G1/4"  | 200 |
| ABDT-LZB-WS-15G   | Φ 53                               | G1/2"  | 200 |
| ABDT-LZB-WS-20G   | Φ 53                               | G 3/4" | 200 |
| ABDT-LZB-WS-25G   | Φ 53                               | G1"    | 200 |
| ABDT-LZB-WS-15G-C | Φ 53                               | G1/2"  | 250 |
| ABDT-LZB-WS-20G-C | Φ 53                               | G 3/4" | 250 |
| ABDT-LZB-WS-25G-C | Φ 53                               | G1"    | 250 |



ABDT-LZB-WS-10G

|                 |      |         |     |
|-----------------|------|---------|-----|
| ABDT-LZB-WS-40G | Φ 73 | G1-1/2" | 280 |
| ABDT-LZB-WS-50G | Φ 96 | G2"     | 350 |
| ABDT-LZB-WS-65G | Φ 96 | G2-1/2" | 350 |

| Model              | ABDT-LZB-WS Flange connection (mm) |       |        |     |
|--------------------|------------------------------------|-------|--------|-----|
|                    | A                                  | B     | n-d    | L   |
| ABDT-LZB-WS-15F    | Φ 90                               | Φ 65  | 4-Φ 14 | 245 |
| ABDT-LZB-WS-20F    | Φ 105                              | Φ 75  | 4-Φ 14 | 245 |
| ABDT-LZB-WS-25F    | Φ 110                              | Φ 85  | 4-Φ 14 | 245 |
| ABDT-LZB-WS-40F    | Φ 150                              | Φ 110 | 4-Φ 18 | 330 |
| ABDT-LZB-WS-40/50F | Φ 165                              | Φ 125 | 4-Φ 18 | 330 |
| ABDT-LZB-WS-50F    | Φ 165                              | Φ 125 | 4-Φ 18 | 390 |
| ABDT-LZB-WS-50/65F | Φ 185                              | Φ 145 | 8-Φ 18 | 390 |
| ABDT-LZB-WS-50/80F | Φ 200                              | Φ 160 | 8-Φ 18 | 390 |



ABDT-LZB-WS-15F

Special connection Note: requirements can be customized.

## IV. Model Selection

ABDT-LZB-WS-□□ / □ / □ / □ / □

|           |                   |            |          |          |
|-----------|-------------------|------------|----------|----------|
| 10:DN10mm | G:thread          | Flow Range | R1:304SS | A:Gas    |
| 20:DN20mm | K:Clamp           |            | R0:316SS | L:Liquid |
| 25:DN25mm | F:Flange          |            |          |          |
| 40:DN40mm | Can be customized |            |          |          |
| 50:DN50mm | DN20,32,50,65     |            |          |          |
| 65:DN65mm | flange            |            |          |          |

Material:304SS or 316SS

Pressure:≤100℃

Accuracy:±2.5%

Working perssure:≤0.6MPa

Optional upper/lower alarm switch

Model selection and instruction: ABDT-LZB-WS-20K/4-40L/min/R1/L

## Contact

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