



**Features**

- ◇ Tube structure design, no need to install.
- ◇ Equipped with one-touch fitting, easy connection.
- ◇ Resin made housing, small volume and light weight.
- ◇ Available in high vacuum level type and large vacuum flow type.



**Applications**

- ◇ Suitable for occasions where vacuum is required for each station in fast operation.
- ◇ Handling of electronic components.
- ◇ Various specifications to meet different operation requirements.
- ◇ Used in separation system for plastic and metal plate processing.

**How to order**

**AZU 05 S**

①      ②      ③

| ① Series   | ② Nozzle diameter                          | ③ Specification  | Hose connection      |
|------------|--|--|----------------------|
| <b>AZU</b> | <b>05</b> - φ0.5 mm<br><b>07</b> - φ0.7 mm | <b>S</b> - High vacuum level type (-85kPa)<br><b>L</b> - Large vacuum flow type (-48kPa) | Default , hose φ6mm. |

**Technical parameters**

| Model         | Nozzle diameter (mm) | Air supply pressure (bar) | Max. vacuum level (-kPa) | Max. Vacuum flow (NL/min) | Air consumption (NL/min) | Noise level (dB(A)) | Weight (g) | Recommended hose dia. (mm) |            |
|---------------|----------------------|---------------------------|--------------------------|---------------------------|--------------------------|---------------------|------------|----------------------------|------------|
|               |                      |                           |                          |                           |                          |                     |            | Air supply (P)             | Vacuum (V) |
| <b>AZU05S</b> | 0.5                  | 4.5                       | 85                       | 7                         | 9                        | 68                  | 6.5        | φ6                         | φ6         |
| <b>AZU07S</b> | 0.7                  | 4.5                       | 85                       | 12                        | 19                       | 68                  | 7.0        | φ6                         | φ6         |
| <b>AZU05L</b> | 0.5                  | 4.5                       | 48                       | 12                        | 9                        | 70                  | 6.5        | φ6                         | φ6         |
| <b>AZU07L</b> | 0.7                  | 4.5                       | 48                       | 21                        | 19                       | 70                  | 7.0        | φ6                         | φ6         |

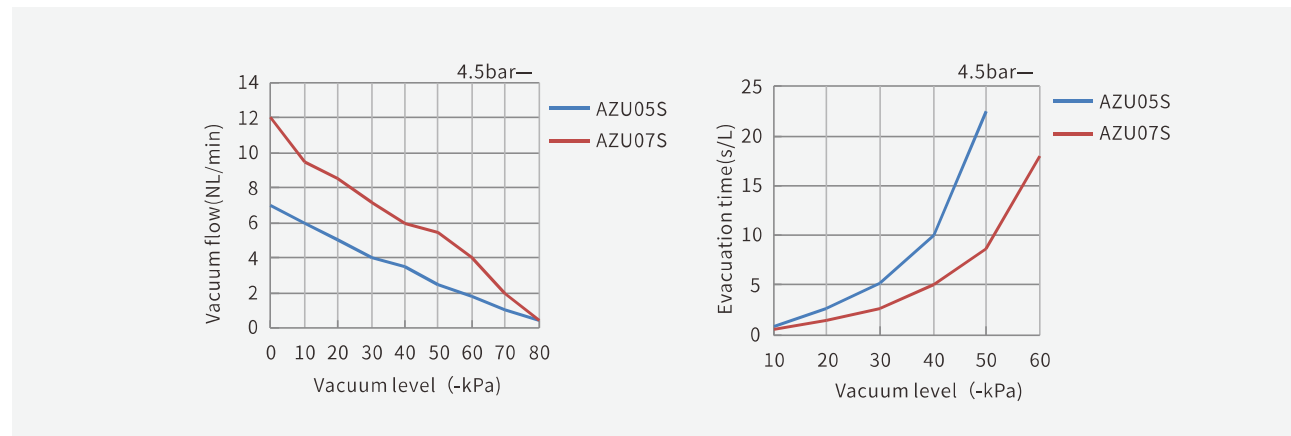
◇ Note: Max. operating pressure 7 bar, standard operating pressure 4.5 bar. Fluid and ambient temperature 5-60°C.

**Vacuum flow (NL/min) at different vacuum levels (-kPa)**

| Model  | Air supply pressure (bar) | Air consumption (NL/min) | 0  | 10  | 20  | 30  | 40  | 50  | 60  | 70 | 80  | Max. vacuum level (-kPa) |
|--------|---------------------------|--------------------------|----|-----|-----|-----|-----|-----|-----|----|-----|--------------------------|
| AZU05S | 4.5                       | 9                        | 7  | 6   | 5   | 4   | 3.5 | 2.5 | 1.8 | 1  | 0.4 | 85                       |
| AZU07S | 4.5                       | 19                       | 12 | 9.5 | 8.5 | 7.2 | 6   | 5.5 | 4   | 2  | 0.4 | 85                       |

**Evacuation time (s/L) to reach different vacuum levels (-kPa)**

| Model  | Air supply pressure (bar) | Air consumption (NL/min) | 10   | 20  | 30  | 40 | 50   | 60 | Max. vacuum level (-kPa) |
|--------|---------------------------|--------------------------|------|-----|-----|----|------|----|--------------------------|
| AZU05S | 4.5                       | 9                        | 0.9  | 2.6 | 5.2 | 10 | 22.5 | -  | 85                       |
| AZU07S | 4.5                       | 19                       | 0.53 | 1.4 | 2.7 | 5  | 8.7  | 18 | 85                       |

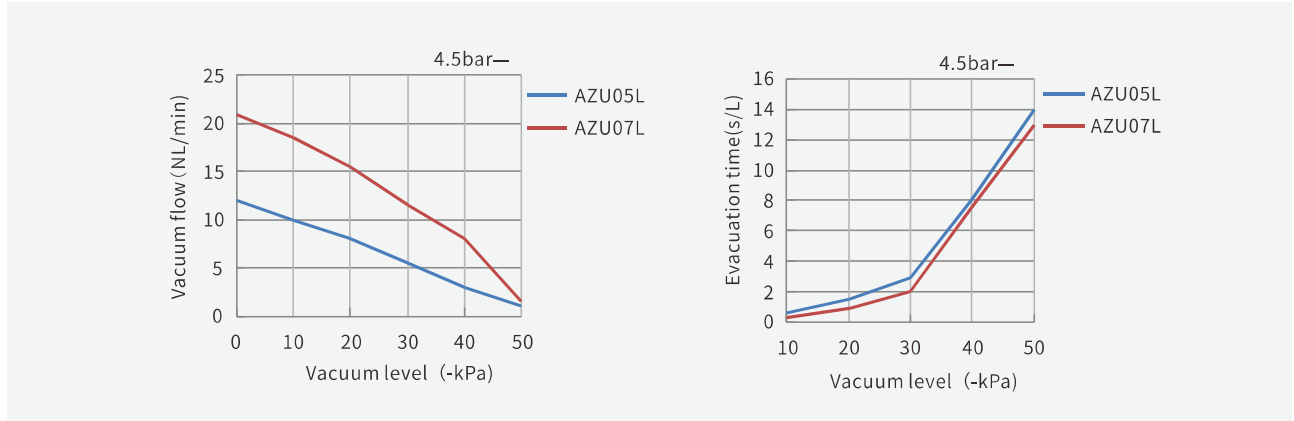


**Vacuum flow (NL/min) at different vacuum levels (-kPa)**

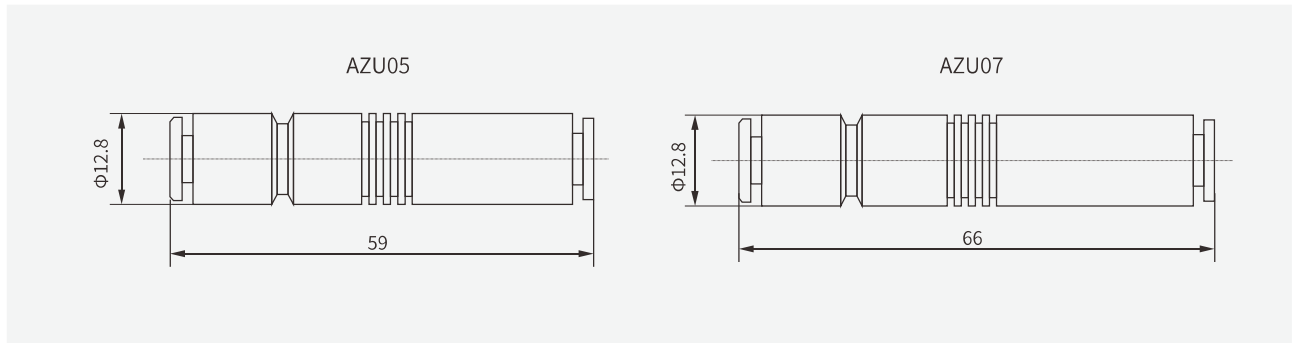
| Model  | Air supply pressure (bar) | Air consumption (NL/min) | 0  | 10   | 20   | 30   | 40 | 48  | Max. vacuum level (-kPa) |
|--------|---------------------------|--------------------------|----|------|------|------|----|-----|--------------------------|
| AZU05L | 4.5                       | 9                        | 12 | 10   | 8    | 5.5  | 3  | 1   | 48                       |
| AZU07L | 4.5                       | 19                       | 21 | 18.5 | 15.5 | 11.5 | 8  | 1.5 | 48                       |

**Evacuation time (s/L) to reach different vacuum levels (-kPa)**

| Model  | Air supply pressure (bar) | Air consumption (NL/min) | 10   | 20  | 30  | 40  | 45 | Max. vacuum level (-kPa) |
|--------|---------------------------|--------------------------|------|-----|-----|-----|----|--------------------------|
| AZU05L | 4.5                       | 9                        | 0.6  | 1.5 | 2.9 | 8   | 14 | 48                       |
| AZU07L | 4.5                       | 19                       | 0.34 | 0.9 | 2   | 7.5 | 13 | 48                       |



**Dimensions (mm)**



**Structural diagram**

