

# SPECIAL GRIPPERS / Solar Master

## Solar Master

### Features and Strengths

VMECA vacuum cartridge technology integrated  
 Low air consumption while achieving very fast and stable vacuum  
 Available for various sizes according to wafer size

### Examples of use

Wafers, Solar cells



### Holding force

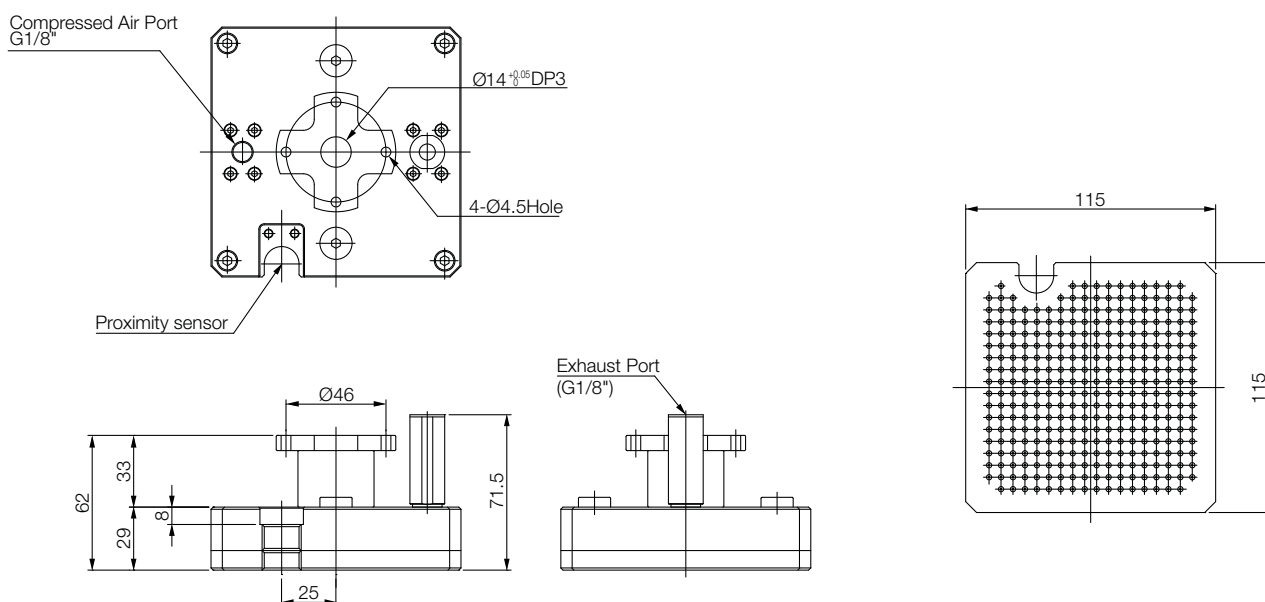
| Model | Holding force (N) at different air inlet pressure |       |       |       |
|-------|---|-------|-------|-------|
|       | 3 bar   | 4 bar | 5 bar | 6 bar |
| SM05  | 112.7   | 120.4 | 132.4 | 147   |

### Air consumption

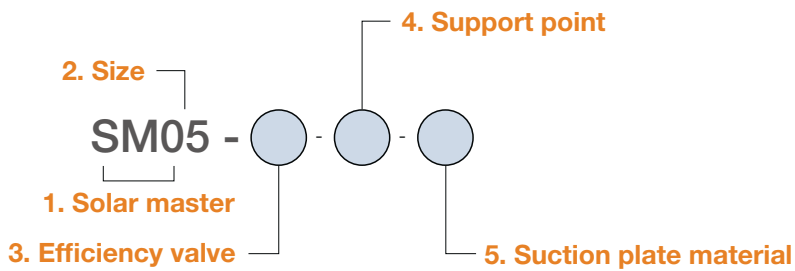
| Model | Air consumption (NI/min) at different air inlet pressure |         |          |       |
|-------|--|---------|----------|-------|
|       | 1.7 bar  | 2.2 bar | 3.14 bar | 4 bar |
| SM05  | 34   | 40      | 52       | 64    |

### Dimensions

[Unit : mm]



## Build an Ordering No.



| 1. Solar master           | Description  | Symbol |
|---------------------------|--|--------|
|                           | Wafer size 5", With free flow silencer, Integrated with the VMECA Vacuum Cartridge | SM     |
| 2. Size                   | Description  | Symbol |
|                           | 115mm X 115mm X H62mm  | 05     |
| 3. Efficiency valve       | Description  | Symbol |
|                           | No efficiency valve  | Blank  |
|                           | Efficiency valve   | EV     |
| 4. Support point          | Description  | Symbol |
|                           | No support point   | Blank  |
|                           | Support point  | P      |
| 5. Suction plate material | Description  | Symbol |
|                           | Aluminum   | A      |
|                           | PEEK   | PK     |
|                           | POM  | PO     |