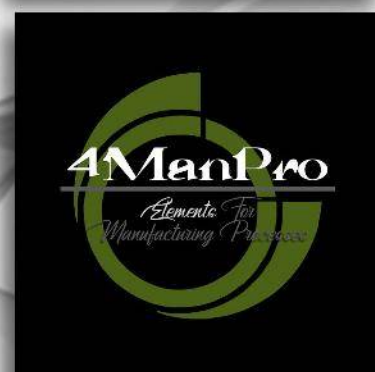




# FULL CATALOG







| SERIE        | DESCRIPCIÓN                                                       | PÁGINA |
|--------------|-------------------------------------------------------------------|--------|
| ■ SM DA      | INDIVIDUAL OIL PRE-CHARGE INJECTORS FOR PISTON SYSTEMS            | 1      |
| ■ SM DAV     | OIL PRE-DISCHARGE DISTRIBUTORS FOR PISTON SYSTEMS                 | 26     |
| ■ SM DFA     | OIL DISTRIBUTORS FOR PISTON SYSTEMS                               | 57     |
| ■ SM DM3     | GREASE DISPENSERS FOR PROGRESSIVE SYSTEMS                         | 73     |
| ■ SM DMV     | GREASE DISTRIBUTORS FOR PROGRESSIVE SYSTEMS                       | 92     |
| ■ SM DT      | OIL DISTRIBUTORS FOR PISTON SYSTEMS                               | 111    |
| ■ SM DU-P    | PROGRESSIVE GREASE DISTRIBUTORS (WITH DETECTION SWITCH)           | 127    |
| ■ SM DU-T    | PROGRESSIVE GREASE DISTRIBUTORS                                   | 148    |
| ■ SM DX1     | INDEPENDENT OIL INJECTORS FOR PISTON SYSTEMS                      | 169    |
| ■ SM DXV     | OIL DISTRIBUTORS FOR PISTON SYSTEMS                               | 194    |
| ■ SM SD      | AIR + SPRAY OIL MIXER                                             | 222    |
| ■ SM SSG-D1  | PROGRESSIVE GREASE LUBRICATION SYSTEM (WITH CUP) RESIN/SPRINGLESS | 238    |
| ■ SM SSG-D2  | PROGRESSIVE GREASE LUBRICATION SYSTEM                             | 248    |
| ■ SM SSP-MT1 | MICRO VOLUME MIST LUBRICATORS                                     | 255    |
| ■ SM SSP-MT2 | MICRO VOLUME MIST LUBRICATORS                                     | 265    |
| ■ SM SST-B2  | PISTON OIL LUBRICATION SYSTEMS                                    | 275    |
| ■ SM SST-H2  | PISTON OIL LUBRICATION SYSTEMS                                    | 292    |
| ■ SM SST-J2  | PISTON OIL LUBRICATION SYSTEMS                                    | 305    |



# SM DA SERIES

## INDIVIDUAL OIL PRE-CHARGE INJECTORS FOR PISTON SYSTEMS



# SM DA1-0000-00X03

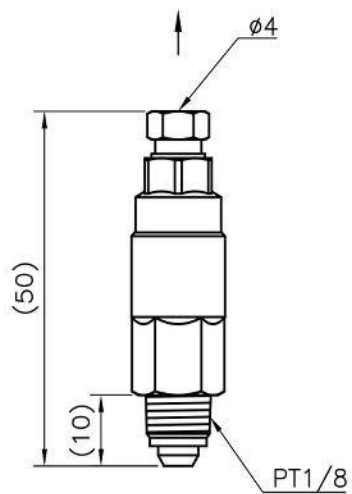
## INDIVIDUAL PRE-DISCHARGE INJECTORS OIL FOR PISTON SYSTEMS



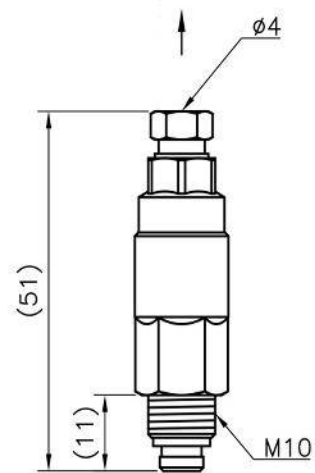


**ISHAN**  
LUBRICATION SYSTEM

伊山精密工業股份有限公司  
ISHAN PRECISION INDUSTRY, CO., LTD



DA1



DA2

## Characteristics & Dimensions

| MODEL          | GRAVED No.<br>IN PART | WEIGHT    | METERED<br>VOLUME<br>(cm <sup>3</sup> /pulso) |
|----------------|-----------------------|-----------|-----------------------------------------------|
| DA1-0000-00X03 | 3                     | 36.00 Gr. | 0.03                                          |
| DA1-0000-00X06 | 6                     | 36.00 Gr. | 0.06                                          |
| DA1-0000-00X10 | 10                    | 36.00 Gr. | 0.10                                          |
| DA1-0000-00X16 | 16                    | 36.00 Gr. | 0.16                                          |
| DA2-0000-00X03 | 3                     | 36.00 Gr. | 0.03                                          |
| DA2-0000-00X06 | 6                     | 36.00 Gr. | 0.06                                          |
| DA2-0000-00X10 | 10                    | 36.00 Gr. | 0.10                                          |
| DA2-0000-00X16 | 16                    | 36.00 Gr. | 0.16                                          |

\*\*\* There is an option with a Ø4 outlet.  
\*\*\*\* All dimensions are given in millimeters.



# SM DA1-0000-00X06

INDIVIDUAL PRE-DISCHARGE  
INJECTORS OIL  
FOR PISTON SYSTEMS

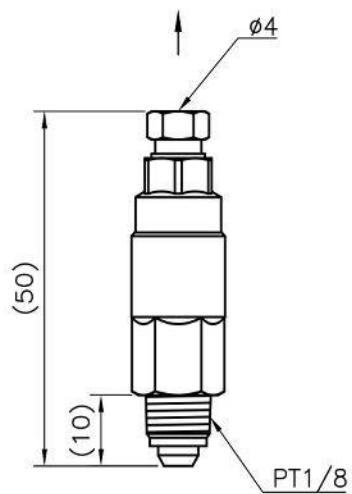




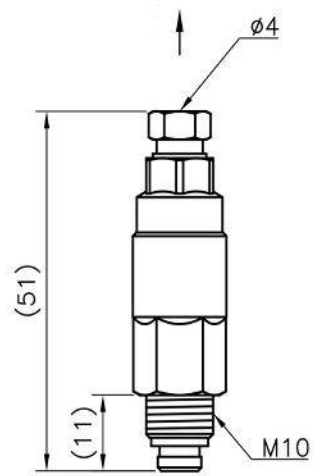


**ISHAW**  
LUBRICATION SYSTEM

伊山精密工業股份有限公司  
ISHAN PRECISION INDUSTRY, CO., LTD



DA1



DA2

## Characteristics & Dimensions

| MODEL          | GRAVED No.<br>IN PART | WEIGHT    | METERED<br>VOLUME<br>(cm <sup>3</sup> /pulso) |
|----------------|-----------------------|-----------|-----------------------------------------------|
| DA1-0000-00X03 | 3                     | 36.00 Gr. | 0.03                                          |
| DA1-0000-00X06 | 6                     | 36.00 Gr. | 0.06                                          |
| DA1-0000-00X10 | 10                    | 36.00 Gr. | 0.10                                          |
| DA1-0000-00X16 | 16                    | 36.00 Gr. | 0.16                                          |
| DA2-0000-00X03 | 3                     | 36.00 Gr. | 0.03                                          |
| DA2-0000-00X06 | 6                     | 36.00 Gr. | 0.06                                          |
| DA2-0000-00X10 | 10                    | 36.00 Gr. | 0.10                                          |
| DA2-0000-00X16 | 16                    | 36.00 Gr. | 0.16                                          |

\*\*\* There is an option with a Ø4 outlet.  
 \*\*\*\* All dimensions are given in millimeters.

# SM DA1-0000-00X10

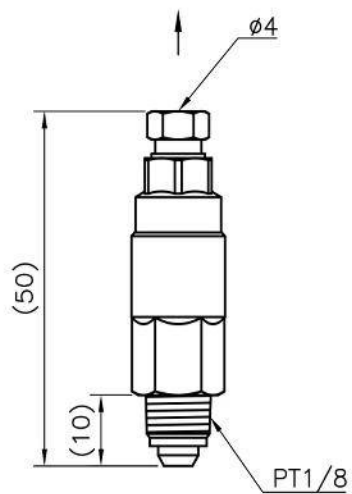
INDIVIDUAL PRE-DISCHARGE  
INJECTORS OIL  
FOR PISTON SYSTEMS



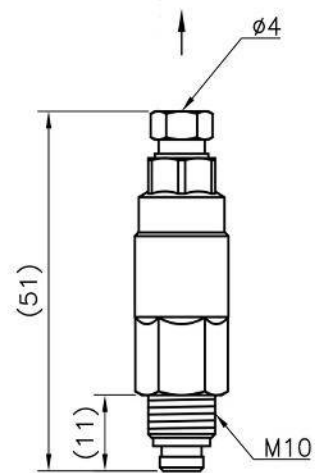


**ISHAN**  
LUBRICATION SYSTEM

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ISHAN PRECISION INDUSTRY, CO., LTD



DA1



DA2

## Characteristics & Dimensions

| MODEL          | GRAVED No.<br>IN PART | WEIGHT    | METERED<br>VOLUME<br>(cm <sup>3</sup> /pulso) |
|----------------|-----------------------|-----------|-----------------------------------------------|
| DA1-0000-00X03 | 3                     | 36.00 Gr. | 0.03                                          |
| DA1-0000-00X06 | 6                     | 36.00 Gr. | 0.06                                          |
| DA1-0000-00X10 | 10                    | 36.00 Gr. | 0.10                                          |
| DA1-0000-00X16 | 16                    | 36.00 Gr. | 0.16                                          |
| DA2-0000-00X03 | 3                     | 36.00 Gr. | 0.03                                          |
| DA2-0000-00X06 | 6                     | 36.00 Gr. | 0.06                                          |
| DA2-0000-00X10 | 10                    | 36.00 Gr. | 0.10                                          |
| DA2-0000-00X16 | 16                    | 36.00 Gr. | 0.16                                          |

\*\*\* There is an option with a Ø4 outlet.  
\*\*\*\* All dimensions are given in millimeters.

# SM DA1-0000-00X16

INDIVIDUAL PRE-DISCHARGE  
INJECTORS OIL  
FOR PISTON SYSTEMS

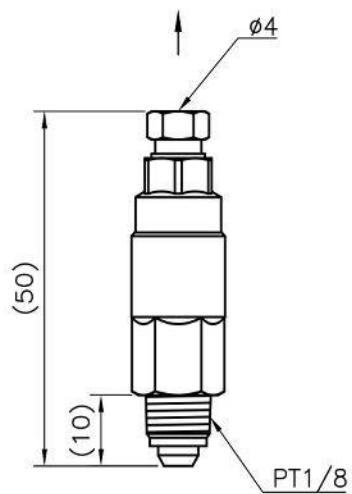




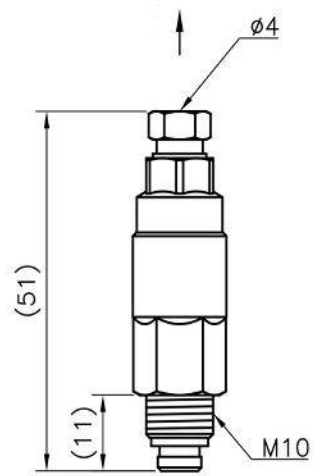


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LUBRICATION SYSTEM

伊山精密工業股份有限公司  
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DA1



DA2



## Characteristics & Dimensions

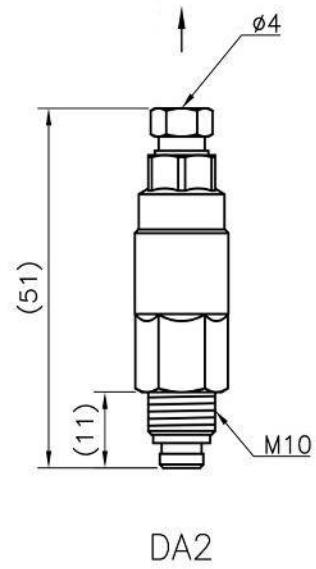
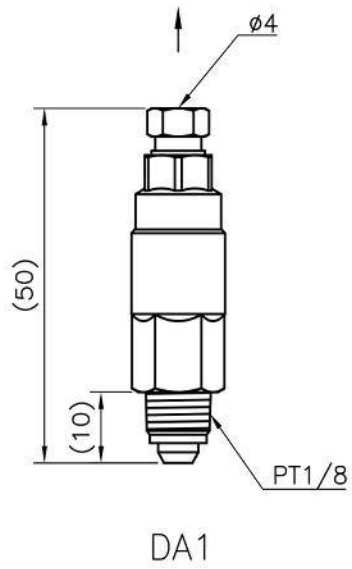
| MODEL          | GRAVED No.<br>IN PART | WEIGHT    | METERED<br>VOLUME<br>(cm <sup>3</sup> /pulso) |
|----------------|-----------------------|-----------|-----------------------------------------------|
| DA1-0000-00X03 | 3                     | 36.00 Gr. | 0.03                                          |
| DA1-0000-00X06 | 6                     | 36.00 Gr. | 0.06                                          |
| DA1-0000-00X10 | 10                    | 36.00 Gr. | 0.10                                          |
| DA1-0000-00X16 | 16                    | 36.00 Gr. | 0.16                                          |
| DA2-0000-00X03 | 3                     | 36.00 Gr. | 0.03                                          |
| DA2-0000-00X06 | 6                     | 36.00 Gr. | 0.06                                          |
| DA2-0000-00X10 | 10                    | 36.00 Gr. | 0.10                                          |
| DA2-0000-00X16 | 16                    | 36.00 Gr. | 0.16                                          |

\*\*\* There is an option with a Ø4 outlet.  
\*\*\*\* All dimensions are given in millimeters.

# SM DA2-0000-00X03

INDIVIDUAL PRE-DISCHARGE  
INJECTORS OIL  
FOR PISTON SYSTEMS





## Characteristics & Dimensions

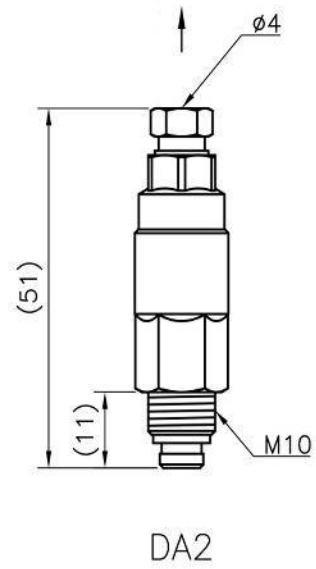
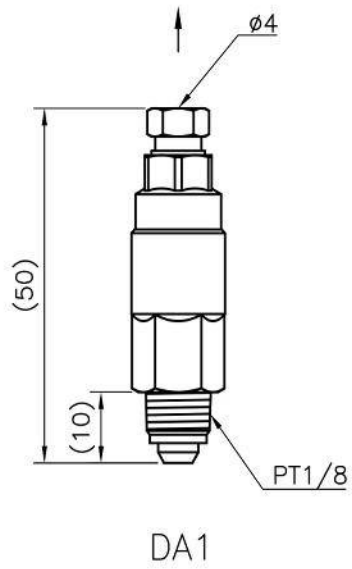
| MODEL          | GRAVED No.<br>IN PART | WEIGHT    | METERED<br>VOLUME<br>(cm <sup>3</sup> /pulso) |
|----------------|-----------------------|-----------|-----------------------------------------------|
| DA1-0000-00X03 | 3                     | 36.00 Gr. | 0.03                                          |
| DA1-0000-00X06 | 6                     | 36.00 Gr. | 0.06                                          |
| DA1-0000-00X10 | 10                    | 36.00 Gr. | 0.10                                          |
| DA1-0000-00X16 | 16                    | 36.00 Gr. | 0.16                                          |
| DA2-0000-00X03 | 3                     | 36.00 Gr. | 0.03                                          |
| DA2-0000-00X06 | 6                     | 36.00 Gr. | 0.06                                          |
| DA2-0000-00X10 | 10                    | 36.00 Gr. | 0.10                                          |
| DA2-0000-00X16 | 16                    | 36.00 Gr. | 0.16                                          |

\*\*\* There is an option with a Ø4 outlet.  
\*\*\*\* All dimensions are given in millimeters.

# SM DA2-0000-00X06

INDIVIDUAL PRE-DISCHARGE  
INJECTORS OIL  
FOR PISTON SYSTEMS







## Characteristics & Dimensions

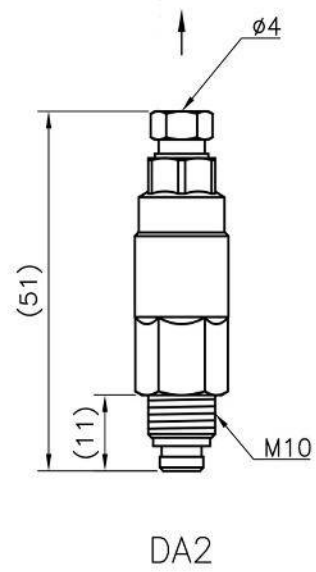
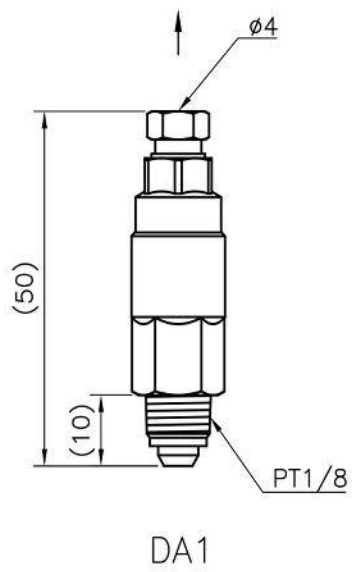
| MODEL          | GRAVED No.<br>IN PART | WEIGHT    | METERED<br>VOLUME<br>(cm <sup>3</sup> /pulso) |
|----------------|-----------------------|-----------|-----------------------------------------------|
| DA1-0000-00X03 | 3                     | 36.00 Gr. | 0.03                                          |
| DA1-0000-00X06 | 6                     | 36.00 Gr. | 0.06                                          |
| DA1-0000-00X10 | 10                    | 36.00 Gr. | 0.10                                          |
| DA1-0000-00X16 | 16                    | 36.00 Gr. | 0.16                                          |
| DA2-0000-00X03 | 3                     | 36.00 Gr. | 0.03                                          |
| DA2-0000-00X06 | 6                     | 36.00 Gr. | 0.06                                          |
| DA2-0000-00X10 | 10                    | 36.00 Gr. | 0.10                                          |
| DA2-0000-00X16 | 16                    | 36.00 Gr. | 0.16                                          |

\*\*\* There is an option with a Ø4 outlet.  
\*\*\*\* All dimensions are given in millimeters.

# SM DA2-0000-00X10

INDIVIDUAL PRE-DISCHARGE  
INJECTORS OIL  
FOR PISTON SYSTEMS





## Characteristics & Dimensions

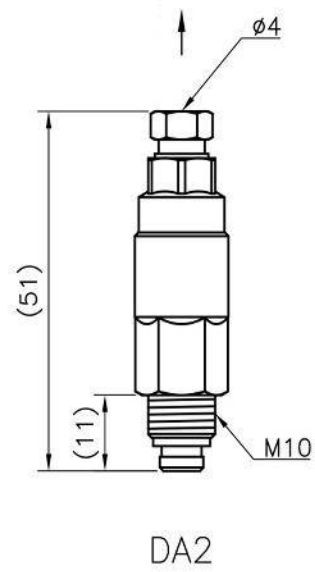
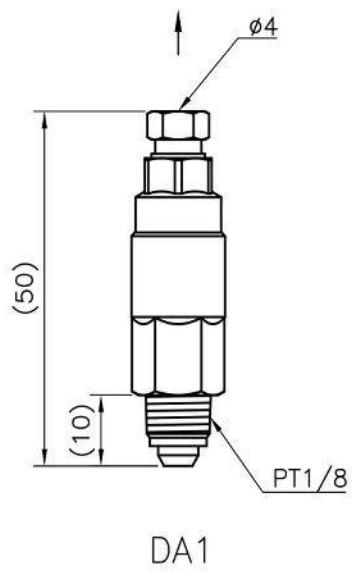
| MODEL          | GRAVED No.<br>IN PART | WEIGHT    | METERED<br>VOLUME<br>(cm <sup>3</sup> /pulso) |
|----------------|-----------------------|-----------|-----------------------------------------------|
| DA1-0000-00X03 | 3                     | 36.00 Gr. | 0.03                                          |
| DA1-0000-00X06 | 6                     | 36.00 Gr. | 0.06                                          |
| DA1-0000-00X10 | 10                    | 36.00 Gr. | 0.10                                          |
| DA1-0000-00X16 | 16                    | 36.00 Gr. | 0.16                                          |
| DA2-0000-00X03 | 3                     | 36.00 Gr. | 0.03                                          |
| DA2-0000-00X06 | 6                     | 36.00 Gr. | 0.06                                          |
| DA2-0000-00X10 | 10                    | 36.00 Gr. | 0.10                                          |
| DA2-0000-00X16 | 16                    | 36.00 Gr. | 0.16                                          |

\*\*\* There is an option with a Ø4 outlet.  
\*\*\*\* All dimensions are given in millimeters.

# SM DA2-0000-00X16

INDIVIDUAL PRE-DISCHARGE  
INJECTORS OIL  
FOR PISTON SYSTEMS







## Characteristics & Dimensions

| MODEL          | GRAVED No.<br>IN PART | WEIGHT    | METERED<br>VOLUME<br>(cm <sup>3</sup> /pulso) |
|----------------|-----------------------|-----------|-----------------------------------------------|
| DA1-0000-00X03 | 3                     | 36.00 Gr. | 0.03                                          |
| DA1-0000-00X06 | 6                     | 36.00 Gr. | 0.06                                          |
| DA1-0000-00X10 | 10                    | 36.00 Gr. | 0.10                                          |
| DA1-0000-00X16 | 16                    | 36.00 Gr. | 0.16                                          |
| DA2-0000-00X03 | 3                     | 36.00 Gr. | 0.03                                          |
| DA2-0000-00X06 | 6                     | 36.00 Gr. | 0.06                                          |
| DA2-0000-00X10 | 10                    | 36.00 Gr. | 0.10                                          |
| DA2-0000-00X16 | 16                    | 36.00 Gr. | 0.16                                          |

\*\*\* There is an option with a Ø4 outlet.  
\*\*\*\* All dimensions are given in millimeters.

# SM DAV SERIES

## OIL PRE-DISCHARGE DISTRIBUTORS FOR PISTON SYSTEMS



# SM DAV-0100

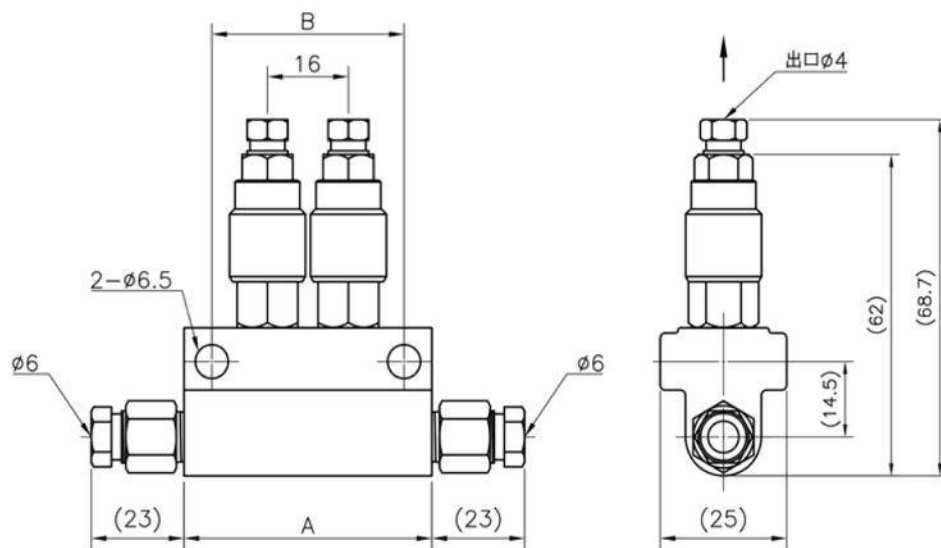
## PRE DISTRIBUTORS OIL DISCHARGE FOR PISTON SYSTEMS





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ISHAN PRECISION INDUSTRY, CO., LTD



## Characteristics & Dimensions

| MODEL    | OUTPUT<br>NUMBER | A      | B      | METERED VOLUME<br>(cm <sup>3</sup> /stroke) |
|----------|------------------|--------|--------|---------------------------------------------|
| DAV-0100 | 1                | 33.00  | 23.00  | 0.03 / 0.06 /<br>0.10 / 0.16                |
| DAV-0200 | 2                | 49.00  | 39.00  |                                             |
| DAV-0300 | 3                | 65.00  | 55.00  |                                             |
| DAV-0400 | 4                | 81.00  | 71.00  |                                             |
| DAV-0500 | 5                | 97.00  | 87.00  |                                             |
| DAV-0600 | 6                | 113.00 | 103.00 |                                             |
| DAV-0700 | 7                | 129.00 | 119.00 |                                             |
| DAV-0800 | 8                | 145.00 | 135.00 |                                             |
| DAV-0900 | 9                | 161.00 | 151.00 |                                             |
| DAV-1000 | 10               | 177.00 | 167.00 |                                             |

\*\*\* There is an option with a Ø4 outlet.  
 \*\*\*\* All dimensions are given in millimeters



# SM DAV-0200

## PRE DISTRIBUTORS OIL DISCHARGE FOR PISTON SYSTEMS

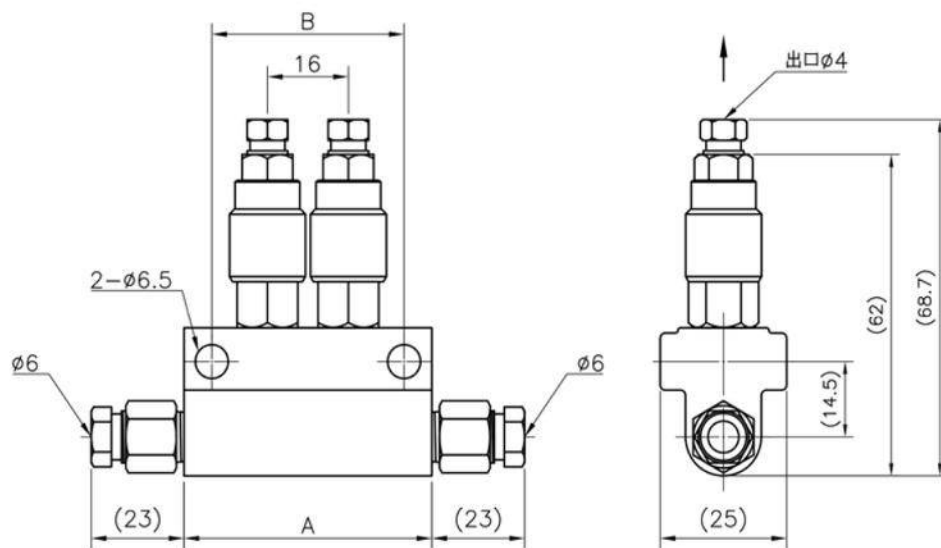






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## Characteristics & Dimensions

| MODEL    | OUTPUT<br>NUMBER | A      | B      | METERED VOLUME<br>(cm <sup>3</sup> /stroke) |
|----------|------------------|--------|--------|---------------------------------------------|
| DAV-0100 | 1                | 33.00  | 23.00  | 0.03 / 0.06 /<br>0.10 / 0.16                |
| DAV-0200 | 2                | 49.00  | 39.00  |                                             |
| DAV-0300 | 3                | 65.00  | 55.00  |                                             |
| DAV-0400 | 4                | 81.00  | 71.00  |                                             |
| DAV-0500 | 5                | 97.00  | 87.00  |                                             |
| DAV-0600 | 6                | 113.00 | 103.00 |                                             |
| DAV-0700 | 7                | 129.00 | 119.00 |                                             |
| DAV-0800 | 8                | 145.00 | 135.00 |                                             |
| DAV-0900 | 9                | 161.00 | 151.00 |                                             |
| DAV-1000 | 10               | 177.00 | 167.00 |                                             |

\*\*\* There is an option with a Ø4 outlet.  
\*\*\*\* All dimensions are given in millimeters

# SM DAV-0300

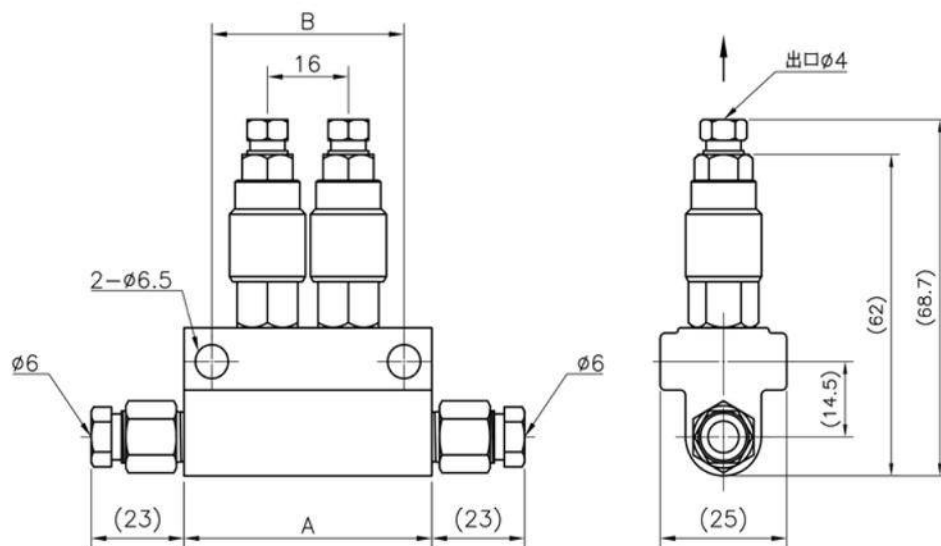
## PRE DISTRIBUTORS OIL DISCHARGE FOR PISTON SYSTEMS





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## Characteristics & Dimensions

| MODEL    | OUTPUT<br>NUMBER | A      | B      | METERED VOLUME<br>(cm <sup>3</sup> /stroke) |
|----------|------------------|--------|--------|---------------------------------------------|
| DAV-0100 | 1                | 33.00  | 23.00  | 0.03 / 0.06 /<br>0.10 / 0.16                |
| DAV-0200 | 2                | 49.00  | 39.00  |                                             |
| DAV-0300 | 3                | 65.00  | 55.00  |                                             |
| DAV-0400 | 4                | 81.00  | 71.00  |                                             |
| DAV-0500 | 5                | 97.00  | 87.00  |                                             |
| DAV-0600 | 6                | 113.00 | 103.00 |                                             |
| DAV-0700 | 7                | 129.00 | 119.00 |                                             |
| DAV-0800 | 8                | 145.00 | 135.00 |                                             |
| DAV-0900 | 9                | 161.00 | 151.00 |                                             |
| DAV-1000 | 10               | 177.00 | 167.00 |                                             |

\*\*\* There is an option with a Ø4 outlet.  
\*\*\*\* All dimensions are given in millimeters



# SM DAV-0400

## PRE DISTRIBUTORS OIL DISCHARGE FOR PISTON SYSTEMS

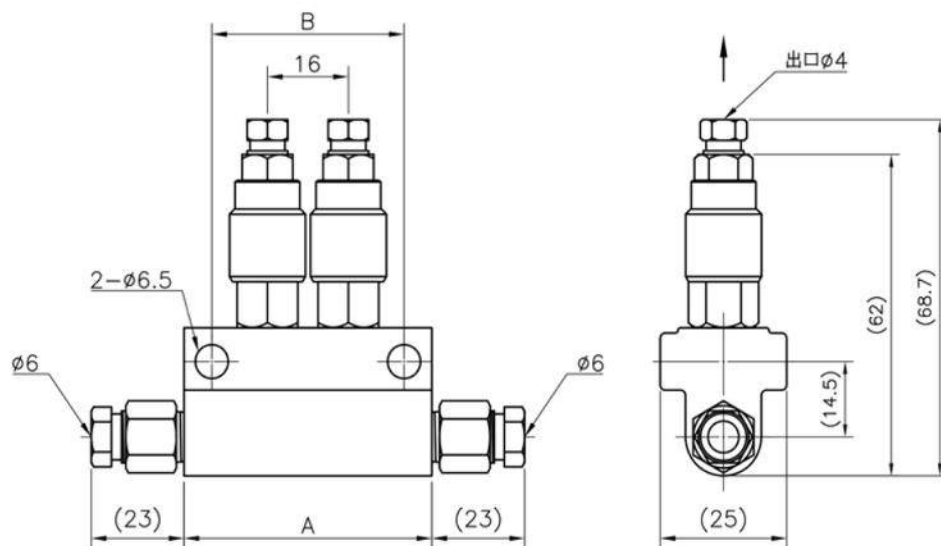






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## Characteristics & Dimensions

| MODEL    | OUTPUT<br>NUMBER | A      | B      | METERED VOLUME<br>(cm <sup>3</sup> /stroke) |
|----------|------------------|--------|--------|---------------------------------------------|
| DAV-0100 | 1                | 33.00  | 23.00  | 0.03 / 0.06 /<br>0.10 / 0.16                |
| DAV-0200 | 2                | 49.00  | 39.00  |                                             |
| DAV-0300 | 3                | 65.00  | 55.00  |                                             |
| DAV-0400 | 4                | 81.00  | 71.00  |                                             |
| DAV-0500 | 5                | 97.00  | 87.00  |                                             |
| DAV-0600 | 6                | 113.00 | 103.00 |                                             |
| DAV-0700 | 7                | 129.00 | 119.00 |                                             |
| DAV-0800 | 8                | 145.00 | 135.00 |                                             |
| DAV-0900 | 9                | 161.00 | 151.00 |                                             |
| DAV-1000 | 10               | 177.00 | 167.00 |                                             |

\*\*\* There is an option with a Ø4 outlet.  
\*\*\*\* All dimensions are given in millimeters

# SM DAV-0500

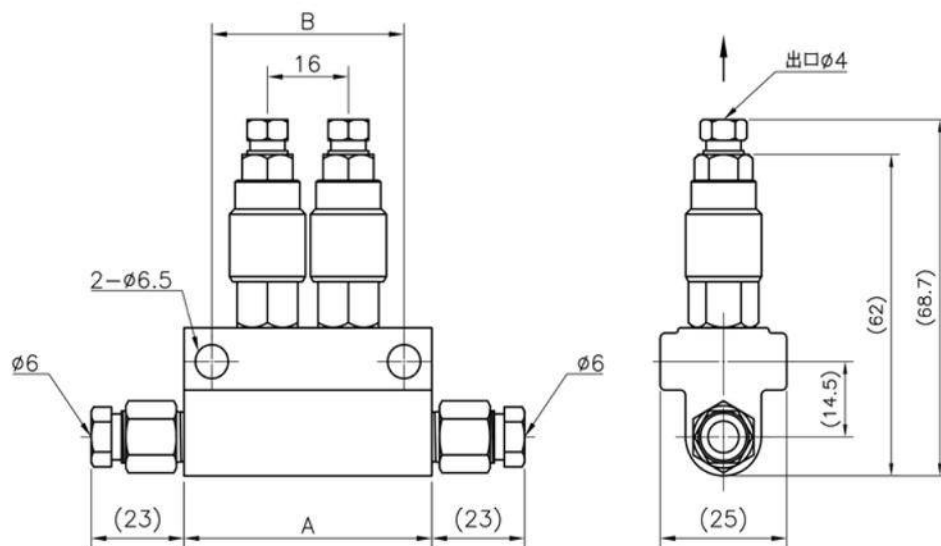
## PRE DISTRIBUTORS OIL DISCHARGE FOR PISTON SYSTEMS





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LUBRICATION SYSTEM

伊山精密工業股份有限公司  
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## Characteristics & Dimensions

| MODEL    | OUTPUT<br>NUMBER | A      | B      | METERED VOLUME<br>(cm <sup>3</sup> /stroke) |
|----------|------------------|--------|--------|---------------------------------------------|
| DAV-0100 | 1                | 33.00  | 23.00  | 0.03 / 0.06 /<br>0.10 / 0.16                |
| DAV-0200 | 2                | 49.00  | 39.00  |                                             |
| DAV-0300 | 3                | 65.00  | 55.00  |                                             |
| DAV-0400 | 4                | 81.00  | 71.00  |                                             |
| DAV-0500 | 5                | 97.00  | 87.00  |                                             |
| DAV-0600 | 6                | 113.00 | 103.00 |                                             |
| DAV-0700 | 7                | 129.00 | 119.00 |                                             |
| DAV-0800 | 8                | 145.00 | 135.00 |                                             |
| DAV-0900 | 9                | 161.00 | 151.00 |                                             |
| DAV-1000 | 10               | 177.00 | 167.00 |                                             |

\*\*\* There is an option with a Ø4 outlet.  
 \*\*\*\* All dimensions are given in millimeters



# SM DAV-0600

## PRE DISTRIBUTORS OIL DISCHARGE FOR PISTON SYSTEMS

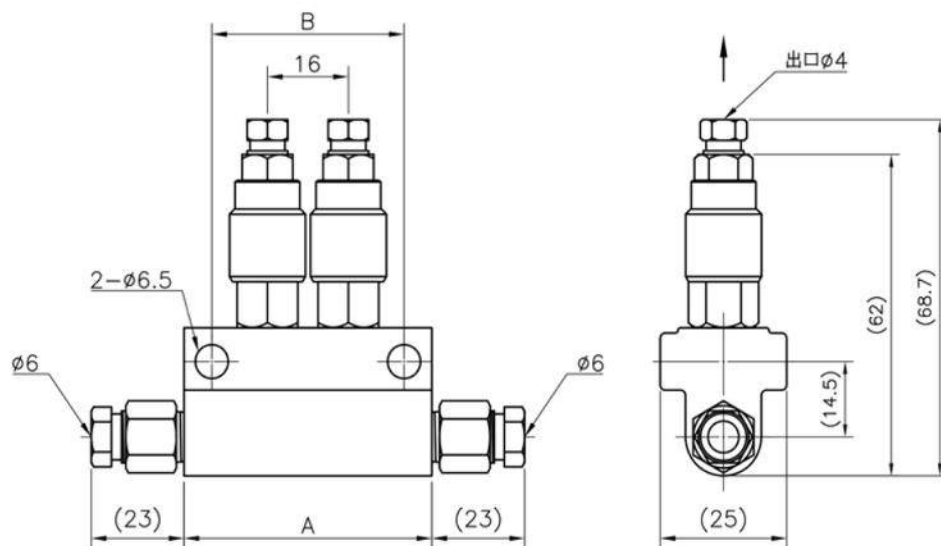






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LUBRICATION SYSTEM

伊山精密工業股份有限公司  
ISHAN PRECISION INDUSTRY, CO., LTD



## Characteristics & Dimensions

| MODEL    | OUTPUT<br>NUMBER | A      | B      | METERED VOLUME<br>(cm <sup>3</sup> /stroke) |
|----------|------------------|--------|--------|---------------------------------------------|
| DAV-0100 | 1                | 33.00  | 23.00  | 0.03 / 0.06 /<br>0.10 / 0.16                |
| DAV-0200 | 2                | 49.00  | 39.00  |                                             |
| DAV-0300 | 3                | 65.00  | 55.00  |                                             |
| DAV-0400 | 4                | 81.00  | 71.00  |                                             |
| DAV-0500 | 5                | 97.00  | 87.00  |                                             |
| DAV-0600 | 6                | 113.00 | 103.00 |                                             |
| DAV-0700 | 7                | 129.00 | 119.00 |                                             |
| DAV-0800 | 8                | 145.00 | 135.00 |                                             |
| DAV-0900 | 9                | 161.00 | 151.00 |                                             |
| DAV-1000 | 10               | 177.00 | 167.00 |                                             |

\*\*\* There is an option with a Ø4 outlet.  
 \*\*\*\* All dimensions are given in millimeters

# SM DAV-0700

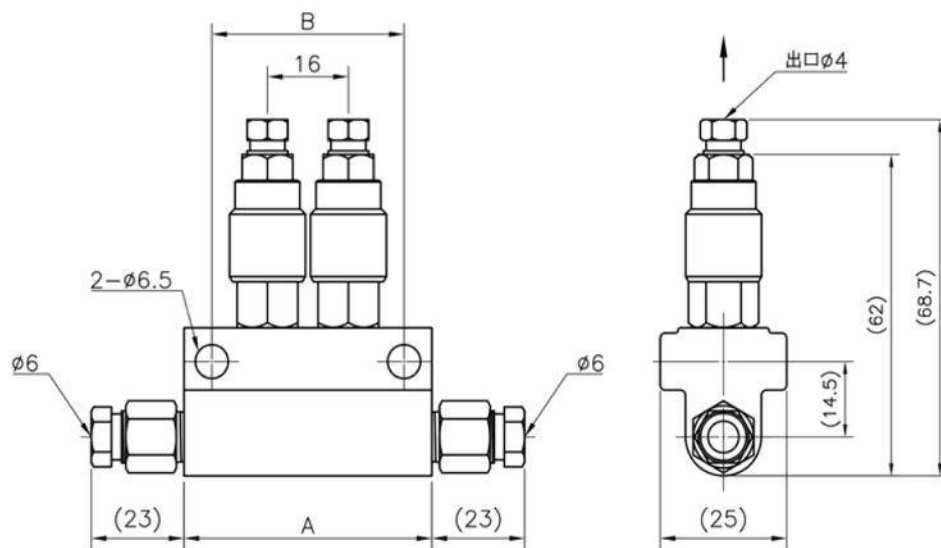
## PRE DISTRIBUTORS OIL DISCHARGE FOR PISTON SYSTEMS





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LUBRICATION SYSTEM

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ISHAN PRECISION INDUSTRY, CO., LTD



## Characteristics & Dimensions

| MODEL    | OUTPUT<br>NUMBER | A      | B      | METERED VOLUME<br>(cm <sup>3</sup> /stroke) |
|----------|------------------|--------|--------|---------------------------------------------|
| DAV-0100 | 1                | 33.00  | 23.00  | 0.03 / 0.06 /<br>0.10 / 0.16                |
| DAV-0200 | 2                | 49.00  | 39.00  |                                             |
| DAV-0300 | 3                | 65.00  | 55.00  |                                             |
| DAV-0400 | 4                | 81.00  | 71.00  |                                             |
| DAV-0500 | 5                | 97.00  | 87.00  |                                             |
| DAV-0600 | 6                | 113.00 | 103.00 |                                             |
| DAV-0700 | 7                | 129.00 | 119.00 |                                             |
| DAV-0800 | 8                | 145.00 | 135.00 |                                             |
| DAV-0900 | 9                | 161.00 | 151.00 |                                             |
| DAV-1000 | 10               | 177.00 | 167.00 |                                             |

\*\*\* There is an option with a Ø4 outlet.  
\*\*\*\* All dimensions are given in millimeters



# SM DAV-0800

## PRE DISTRIBUTORS OIL DISCHARGE FOR PISTON SYSTEMS

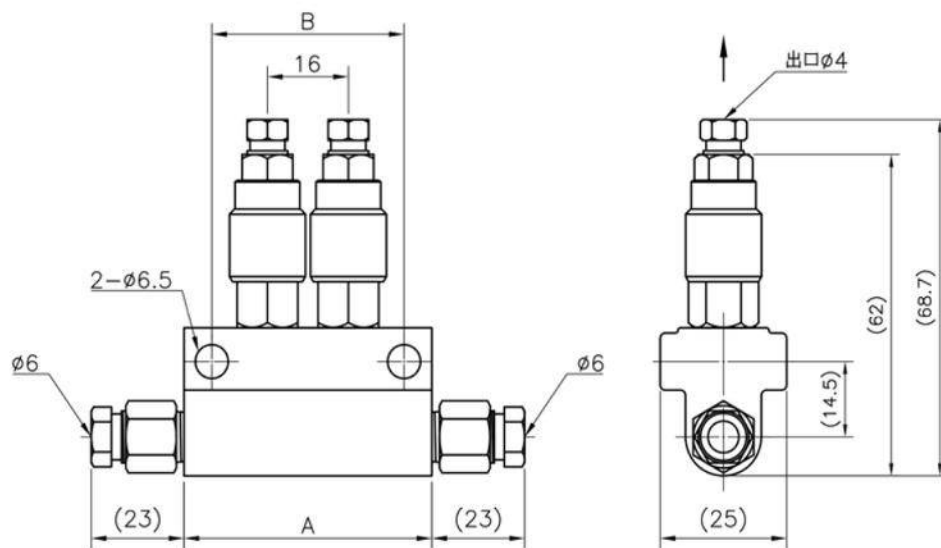






**ISHAN**  
LUBRICATION SYSTEM

伊山精密工業股份有限公司  
ISHAN PRECISION INDUSTRY, CO., LTD



## Characteristics & Dimensions

| MODEL    | OUTPUT<br>NUMBER | A      | B      | METERED VOLUME<br>(cm <sup>3</sup> /stroke) |
|----------|------------------|--------|--------|---------------------------------------------|
| DAV-0100 | 1                | 33.00  | 23.00  | 0.03 / 0.06 /<br>0.10 / 0.16                |
| DAV-0200 | 2                | 49.00  | 39.00  |                                             |
| DAV-0300 | 3                | 65.00  | 55.00  |                                             |
| DAV-0400 | 4                | 81.00  | 71.00  |                                             |
| DAV-0500 | 5                | 97.00  | 87.00  |                                             |
| DAV-0600 | 6                | 113.00 | 103.00 |                                             |
| DAV-0700 | 7                | 129.00 | 119.00 |                                             |
| DAV-0800 | 8                | 145.00 | 135.00 |                                             |
| DAV-0900 | 9                | 161.00 | 151.00 |                                             |
| DAV-1000 | 10               | 177.00 | 167.00 |                                             |

\*\*\* There is an option with a Ø4 outlet.  
\*\*\*\* All dimensions are given in millimeters

# SM DAV-0900

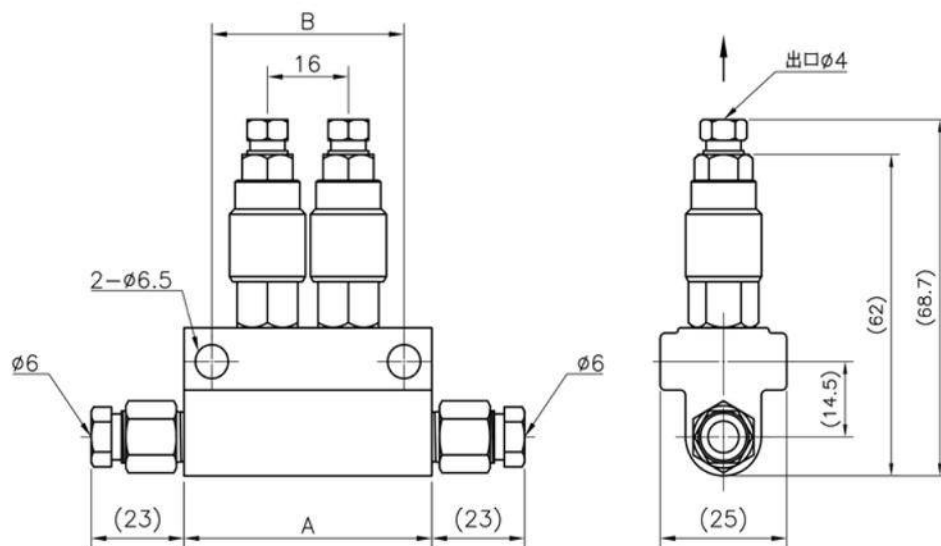
## PRE DISTRIBUTORS OIL DISCHARGE FOR PISTON SYSTEMS





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## Characteristics & Dimensions

| MODEL    | OUTPUT<br>NUMBER | A      | B      | METERED VOLUME<br>(cm <sup>3</sup> /stroke) |
|----------|------------------|--------|--------|---------------------------------------------|
| DAV-0100 | 1                | 33.00  | 23.00  | 0.03 / 0.06 /<br>0.10 / 0.16                |
| DAV-0200 | 2                | 49.00  | 39.00  |                                             |
| DAV-0300 | 3                | 65.00  | 55.00  |                                             |
| DAV-0400 | 4                | 81.00  | 71.00  |                                             |
| DAV-0500 | 5                | 97.00  | 87.00  |                                             |
| DAV-0600 | 6                | 113.00 | 103.00 |                                             |
| DAV-0700 | 7                | 129.00 | 119.00 |                                             |
| DAV-0800 | 8                | 145.00 | 135.00 |                                             |
| DAV-0900 | 9                | 161.00 | 151.00 |                                             |
| DAV-1000 | 10               | 177.00 | 167.00 |                                             |

\*\*\* There is an option with a Ø4 outlet.  
\*\*\*\* All dimensions are given in millimeters



# SM DAV-1000

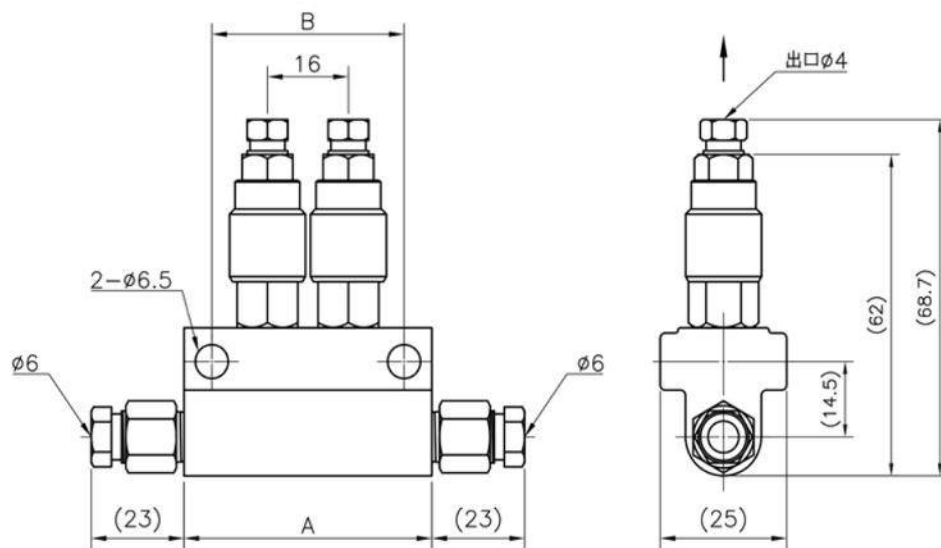
## PRE DISTRIBUTORS OIL DISCHARGE FOR PISTON SYSTEMS





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## Characteristics & Dimensions

| MODEL    | OUTPUT<br>NUMBER | A      | B      | METERED VOLUME<br>(cm <sup>3</sup> /stroke) |
|----------|------------------|--------|--------|---------------------------------------------|
| DAV-0100 | 1                | 33.00  | 23.00  | 0.03 / 0.06 /<br>0.10 / 0.16                |
| DAV-0200 | 2                | 49.00  | 39.00  |                                             |
| DAV-0300 | 3                | 65.00  | 55.00  |                                             |
| DAV-0400 | 4                | 81.00  | 71.00  |                                             |
| DAV-0500 | 5                | 97.00  | 87.00  |                                             |
| DAV-0600 | 6                | 113.00 | 103.00 |                                             |
| DAV-0700 | 7                | 129.00 | 119.00 |                                             |
| DAV-0800 | 8                | 145.00 | 135.00 |                                             |
| DAV-0900 | 9                | 161.00 | 151.00 |                                             |
| DAV-1000 | 10               | 177.00 | 167.00 |                                             |

\*\*\* There is an option with a Ø4 outlet.  
\*\*\*\* All dimensions are given in millimeters

# SM DFA SERIES

## OIL DISTRIBUTORS FOR PISTON SYSTEMS



# SM DFA-12

## PISTON SYSTEMS

### OIL DISTRIBUTORS

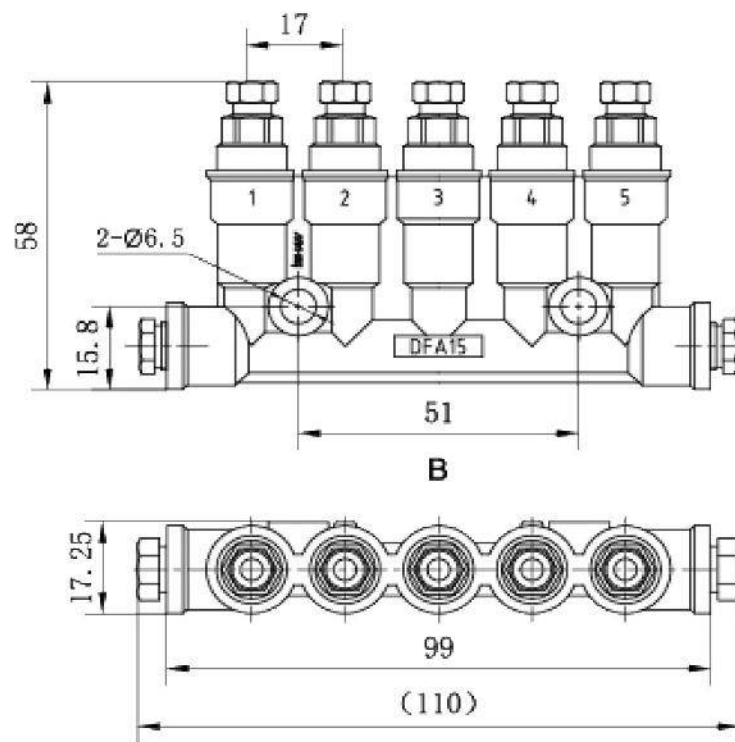






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## Characteristics & Dimensions

| MODEL                                               | SM DFA12                |
|-----------------------------------------------------|-------------------------|
| Outlet Quantity                                     | 2.00                    |
| A                                                   | 76.00                   |
| B                                                   | 34.00                   |
| Metered Volume (cm <sup>3</sup> )                   | 0.03, 0.06, 0.10 & 0.16 |
| <p>*** All dimensions are given in millimeters.</p> |                         |

# SM DFA-13

## PISTON SYSTEMS

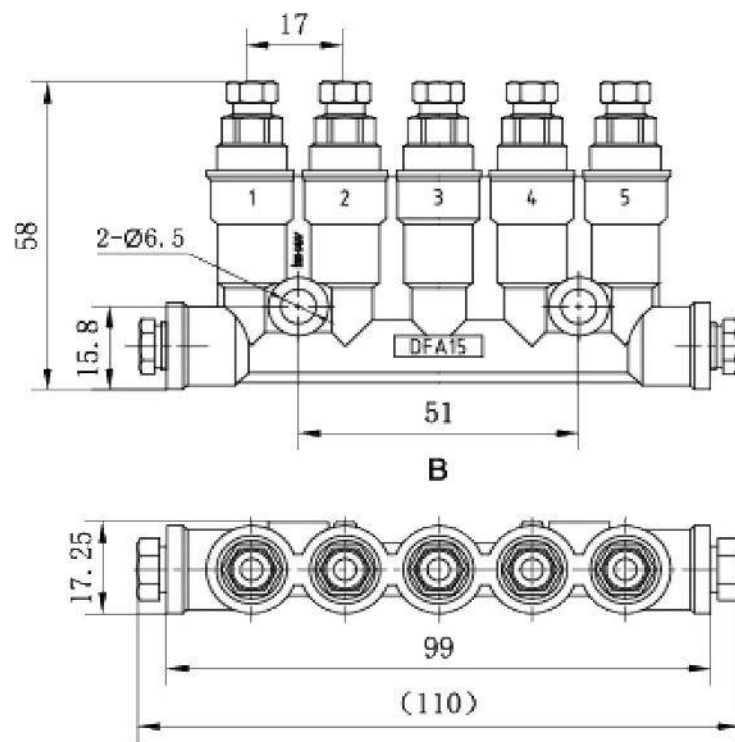
### OIL DISTRIBUTORS





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## Characteristics & Dimensions

| MODEL                                               | SM DFA13                |
|-----------------------------------------------------|-------------------------|
| Outlet Quantity                                     | 3.00                    |
| A                                                   | 93.00                   |
| B                                                   | 17.00                   |
| Metered Volume (cm <sup>3</sup> )                   | 0.03, 0.06, 0.10 & 0.16 |
| <p>*** All dimensions are given in millimeters.</p> |                         |



# SM DFA-14

## PISTON SYSTEMS

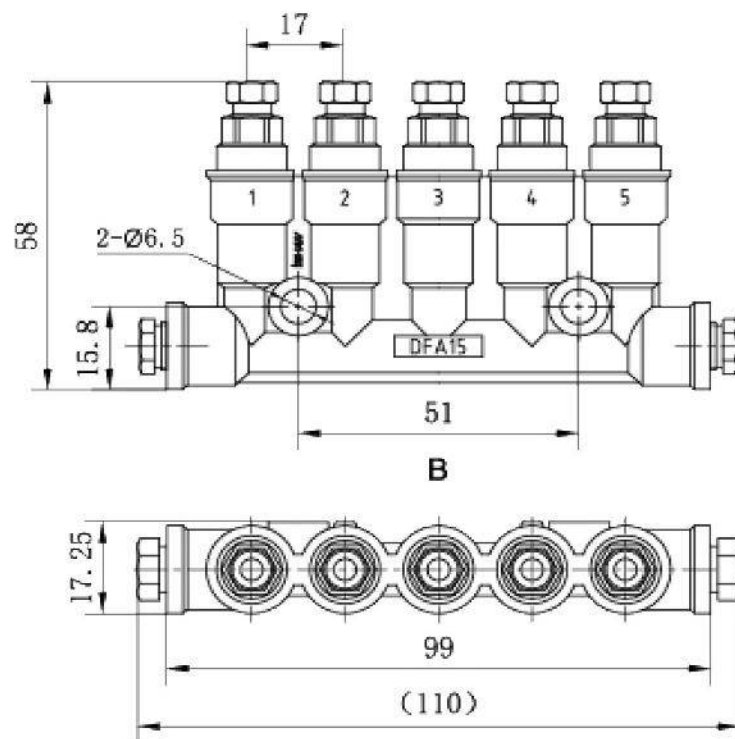
### OIL DISTRIBUTORS





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## Characteristics & Dimensions

| MODEL                                               | SM DFA14                |
|-----------------------------------------------------|-------------------------|
| Outlet Quantity                                     | 4.00                    |
| A                                                   | 96.00                   |
| B                                                   | 34.00                   |
| Metered Volume (cm <sup>3</sup> )                   | 0.03, 0.06, 0.10 & 0.16 |
| <p>*** All dimensions are given in millimeters.</p> |                         |

# SM DFA-15

## PISTON SYSTEMS

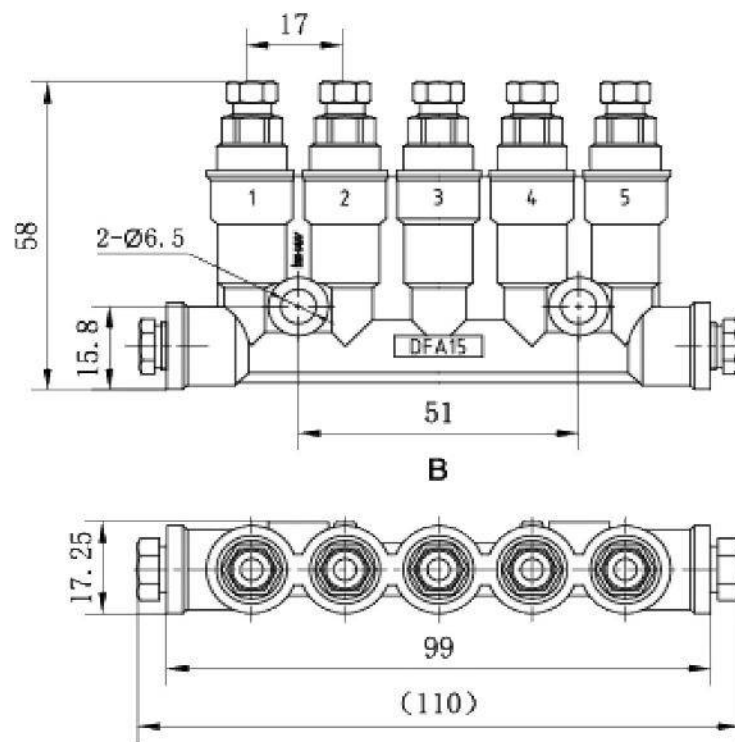
### OIL DISTRIBUTORS





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## Characteristics & Dimensions

| MODEL                                               | SM DFA15                |
|-----------------------------------------------------|-------------------------|
| Outlet Quantity                                     | 5.00                    |
| A                                                   | 110.00                  |
| B                                                   | 51.00                   |
| Metered Volume (cm <sup>3</sup> )                   | 0.03, 0.06, 0.10 & 0.16 |
| <p>*** All dimensions are given in millimeters.</p> |                         |

# SM DFA-16

## PISTON SYSTEMS

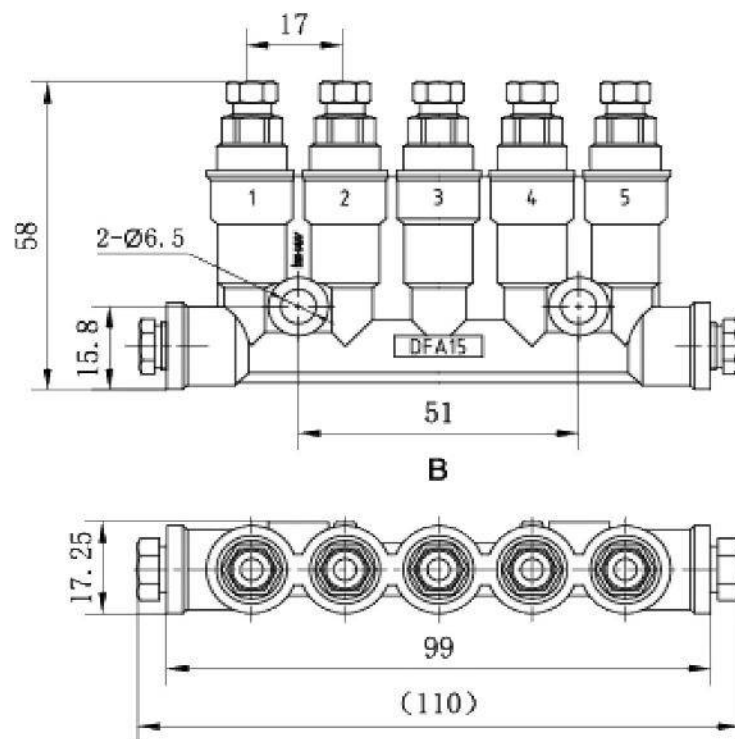
### OIL DISTRIBUTORS





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## Characteristics & Dimensions

| MODEL                                        | SM DFA-16               |
|----------------------------------------------|-------------------------|
| Outlet Quantity                              | 6.00                    |
| A                                            | 127.00                  |
| B                                            | 68.00                   |
| Metered Volume (cm <sup>3</sup> )            | 0.03, 0.06, 0.10 & 0.16 |
| *** All dimensions are given in millimeters. |                         |

# SM DM3 SERIES

## GREASE DISPENSERS FOR PROGRESSIVE SYSTEMS





# SM DM3-0000-03

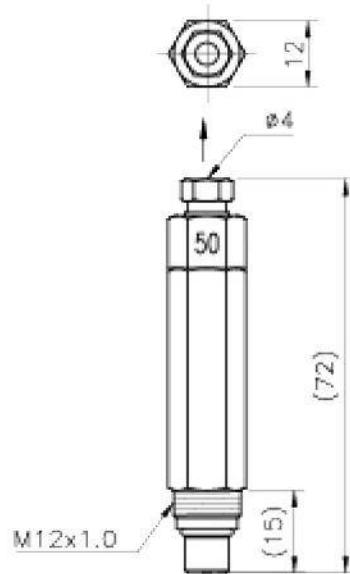
## PROGRESIVE SYSTEMS GREASE DISPENSERS





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LUBRICATION SYSTEM

伊山精密工業股份有限公司  
ISHAN PRECISION INDUSTRY, CO., LTD



## Characteristics & Dimensions

| MODEL          | NUMBER MARKED | METERED VOLUME |
|----------------|---------------|----------------|
| SM DM3-0000-03 | 1             | 0.03           |
| SM DM3-0000-05 | 2             | 0.05           |
| SM DM3-0000-10 | 3             | 0.10           |
| SM DM3-0000-20 | 4             | 0.20           |
| SM DM3-0000-30 | 5             | 0.30           |
| SM DM3-0000-50 | 6             | 0.50           |

\*\* Metered Volume is given in c.c.  
 \*\*\* There is an option with a Ø4 outlet.  
 \*\*\*\* All dimensions are given in millimeters.

# SM DM3-0000-05

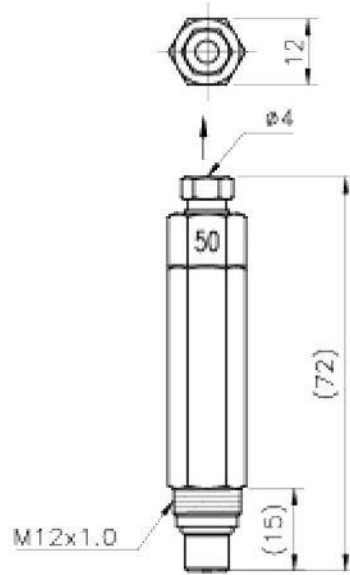
## PROGRESIVE SYSTEMS GREASE DISPENSERS





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LUBRICATION SYSTEM

伊山精密工業股份有限公司  
ISHAN PRECISION INDUSTRY, CO., LTD



## Characteristics & Dimensions

| MODEL          | NUMBER MARKED | METERED VOLUME |
|----------------|---------------|----------------|
| SM DM3-0000-03 | 1             | 0.03           |
| SM DM3-0000-05 | 2             | 0.05           |
| SM DM3-0000-10 | 3             | 0.10           |
| SM DM3-0000-20 | 4             | 0.20           |
| SM DM3-0000-30 | 5             | 0.30           |
| SM DM3-0000-50 | 6             | 0.50           |

\*\* Metered Volume is given in c.c.  
 \*\*\* There is an option with a Ø4 outlet.  
 \*\*\*\* All dimensions are given in millimeters.



# SM DM3-0000-10

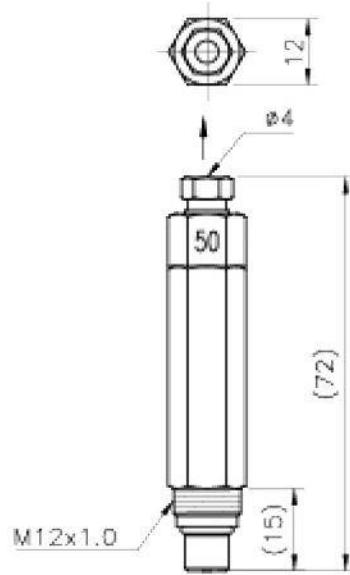
## PROGRESIVE SYSTEMS GREASE DISPENSERS





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## Characteristics & Dimensions

| MODEL          | NUMBER MARKED | METERED VOLUME |
|----------------|---------------|----------------|
| SM DM3-0000-03 | 1             | 0.03           |
| SM DM3-0000-05 | 2             | 0.05           |
| SM DM3-0000-10 | 3             | 0.10           |
| SM DM3-0000-20 | 4             | 0.20           |
| SM DM3-0000-30 | 5             | 0.30           |
| SM DM3-0000-50 | 6             | 0.50           |

\*\* Metered Volume is given in c.c.  
 \*\*\* There is an option with a Ø4 outlet.  
 \*\*\*\* All dimensions are given in millimeters.

# SM DM3-0000-20

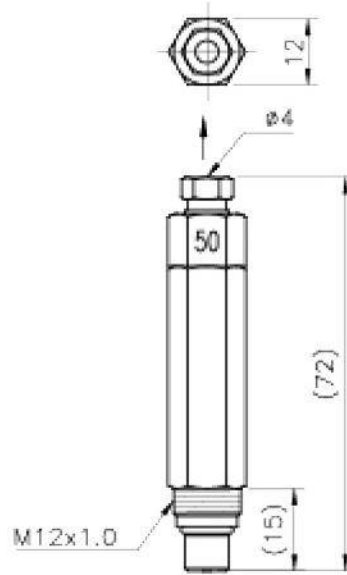
## PROGRESIVE SYSTEMS GREASE DISPENSERS





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## Characteristics & Dimensions

| MODEL          | NUMBER MARKED | METERED VOLUME |
|----------------|---------------|----------------|
| SM DM3-0000-03 | 1             | 0.03           |
| SM DM3-0000-05 | 2             | 0.05           |
| SM DM3-0000-10 | 3             | 0.10           |
| SM DM3-0000-20 | 4             | 0.20           |
| SM DM3-0000-30 | 5             | 0.30           |
| SM DM3-0000-50 | 6             | 0.50           |

\*\* Metered Volume is given in c.c.  
 \*\*\* There is an option with a Ø4 outlet.  
 \*\*\*\* All dimensions are given in millimeters.



# SM DM3-0000-30

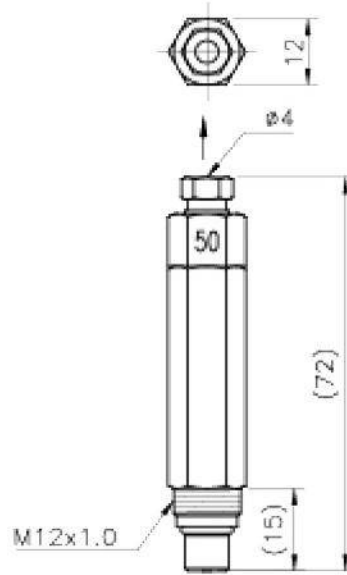
## PROGRESIVE SYSTEMS GREASE DISPENSERS





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## Characteristics & Dimensions

| MODEL          | NUMBER MARKED | METERED VOLUME |
|----------------|---------------|----------------|
| SM DM3-0000-03 | 1             | 0.03           |
| SM DM3-0000-05 | 2             | 0.05           |
| SM DM3-0000-10 | 3             | 0.10           |
| SM DM3-0000-20 | 4             | 0.20           |
| SM DM3-0000-30 | 5             | 0.30           |
| SM DM3-0000-50 | 6             | 0.50           |

\*\* Metered Volume is given in c.c.  
 \*\*\* There is an option with a Ø4 outlet.  
 \*\*\*\* All dimensions are given in millimeters.

# SM DM3-0000-50

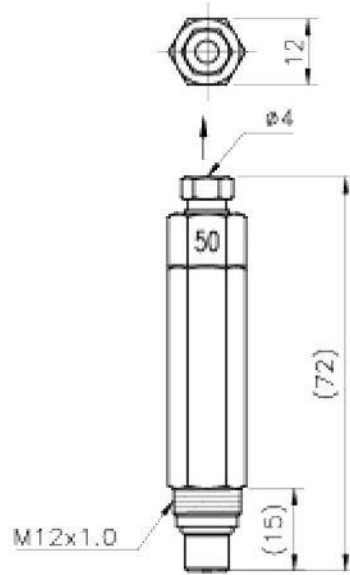
## PROGRESIVE SYSTEMS GREASE DISPENSERS





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LUBRICATION SYSTEM

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ISHAN PRECISION INDUSTRY, CO., LTD



## Characteristics & Dimensions

| MODEL          | NUMBER MARKED | METERED VOLUME |
|----------------|---------------|----------------|
| SM DM3-0000-03 | 1             | 0.03           |
| SM DM3-0000-05 | 2             | 0.05           |
| SM DM3-0000-10 | 3             | 0.10           |
| SM DM3-0000-20 | 4             | 0.20           |
| SM DM3-0000-30 | 5             | 0.30           |
| SM DM3-0000-50 | 6             | 0.50           |

\*\* Metered Volume is given in c.c.

\*\*\* There is an option with a Ø4 outlet.

\*\*\*\* All dimensions are given in millimeters.



# SM DMV SERIES

## GREASE DISPENSERS FOR PROGRESSIVE SYSTEMS



# SM DMV-0100

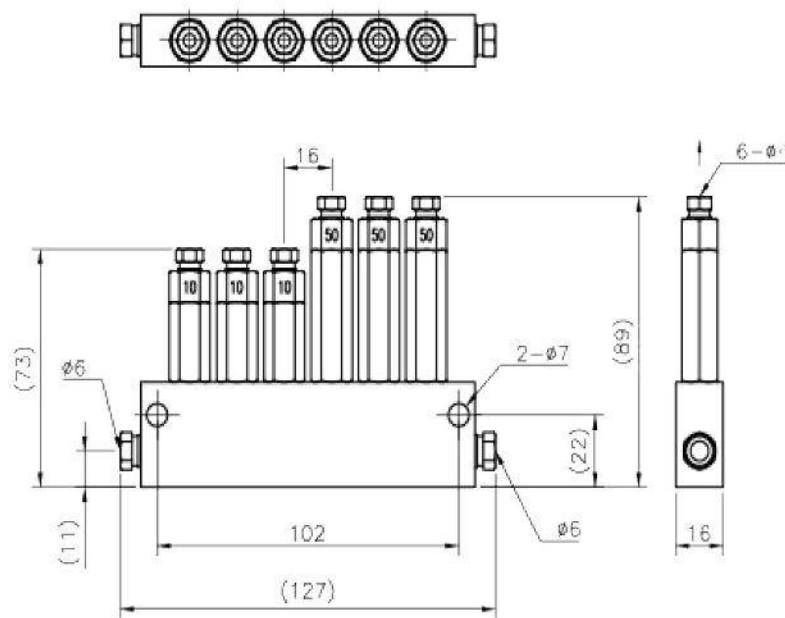
## PROGRESIVE SYSTEMS GREASE DISPENSERS





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LUBRICATION SYSTEM

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ISHAN PRECISION INDUSTRY, CO., LTD



## Characteristics & Dimensions

| MODEL                                                                                                                           | OUTLET<br>NUMBER (N) | A      | B      | METERED<br>VOLUME                            |
|---------------------------------------------------------------------------------------------------------------------------------|----------------------|--------|--------|----------------------------------------------|
| SM DMV-0100                                                                                                                     | 1                    | 33.00  | 22.00  | 0.03<br>0.05<br>0.10<br>0.20<br>0.30<br>0.50 |
| SM DMV-0200                                                                                                                     | 2                    | 49.00  | 38.00  |                                              |
| SM DMV-0300                                                                                                                     | 3                    | 65.00  | 54.00  |                                              |
| SM DMV-0400                                                                                                                     | 4                    | 81.00  | 7.00   |                                              |
| SM DMV-0500                                                                                                                     | 5                    | 97.00  | 86.00  |                                              |
| SM DMV-0600                                                                                                                     | 6                    | 113.00 | 102.00 |                                              |
| ** Metered Volume is given in c.c.<br>*** There is an option with a Ø4 outlet.<br>**** All dimensions are given in millimeters. |                      |        |        |                                              |

# SM DMV-0200

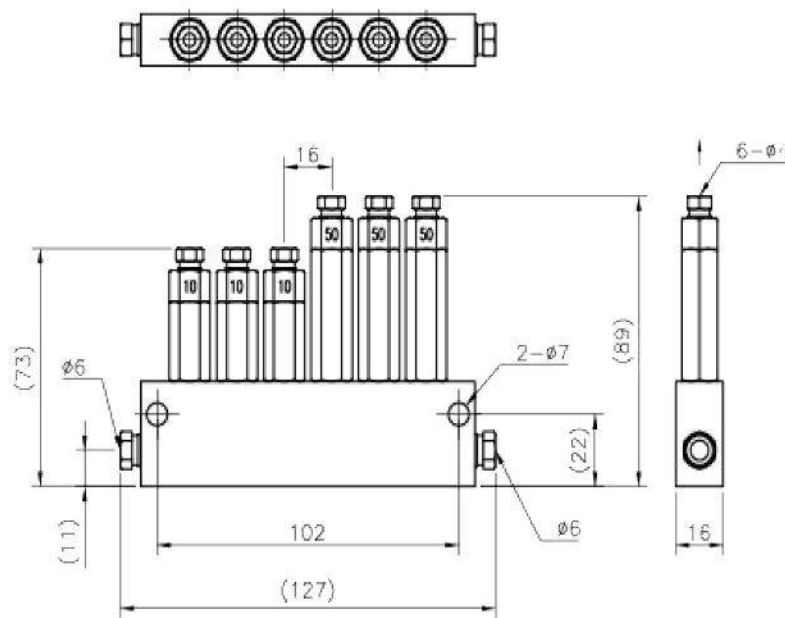
## PROGRESIVE SYSTEMS GREASE DISPENSERS





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## Characteristics & Dimensions

| MODEL       | OUTLET<br>NUMBER (N) | A      | B      | METERED<br>VOLUME                            |
|-------------|----------------------|--------|--------|----------------------------------------------|
| SM DMV-0100 | 1                    | 33.00  | 22.00  | 0.03<br>0.05<br>0.10<br>0.20<br>0.30<br>0.50 |
| SM DMV-0200 | 2                    | 49.00  | 38.00  |                                              |
| SM DMV-0300 | 3                    | 65.00  | 54.00  |                                              |
| SM DMV-0400 | 4                    | 81.00  | 7.00   |                                              |
| SM DMV-0500 | 5                    | 97.00  | 86.00  |                                              |
| SM DMV-0600 | 6                    | 113.00 | 102.00 |                                              |

\*\* Metered Volume is given in c.c.  
 \*\*\* There is an option with a Ø4 outlet.  
 \*\*\*\* All dimensions are given in millimeters.

# SM DMV-0300

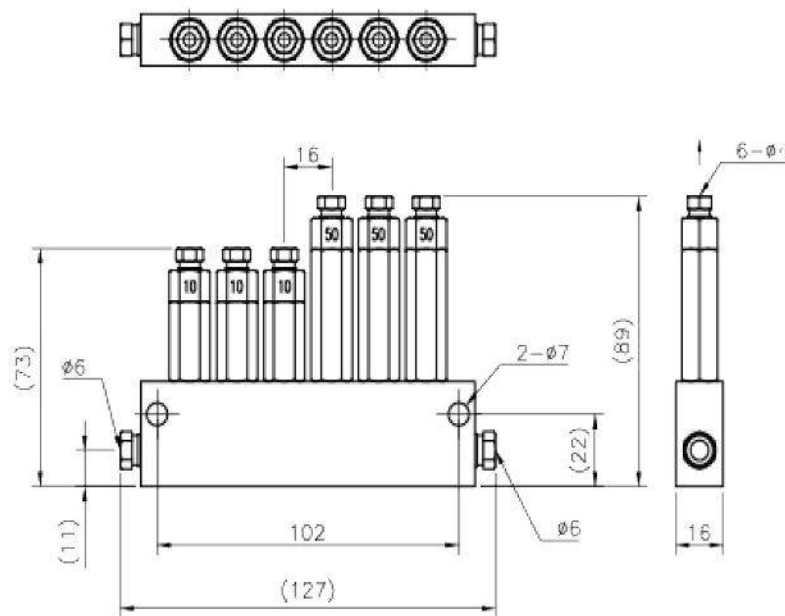
## PROGRESIVE SYSTEMS GREASE DISPENSERS





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## Characteristics & Dimensions

| MODEL                                                                                                                           | OUTLET<br>NUMBER (N) | A      | B      | METERED<br>VOLUME                            |
|---------------------------------------------------------------------------------------------------------------------------------|----------------------|--------|--------|----------------------------------------------|
| SM DMV-0100                                                                                                                     | 1                    | 33.00  | 22.00  | 0.03<br>0.05<br>0.10<br>0.20<br>0.30<br>0.50 |
| SM DMV-0200                                                                                                                     | 2                    | 49.00  | 38.00  |                                              |
| SM DMV-0300                                                                                                                     | 3                    | 65.00  | 54.00  |                                              |
| SM DMV-0400                                                                                                                     | 4                    | 81.00  | 7.00   |                                              |
| SM DMV-0500                                                                                                                     | 5                    | 97.00  | 86.00  |                                              |
| SM DMV-0600                                                                                                                     | 6                    | 113.00 | 102.00 |                                              |
| ** Metered Volume is given in c.c.<br>*** There is an option with a Ø4 outlet.<br>**** All dimensions are given in millimeters. |                      |        |        |                                              |

# SM DMV-0400

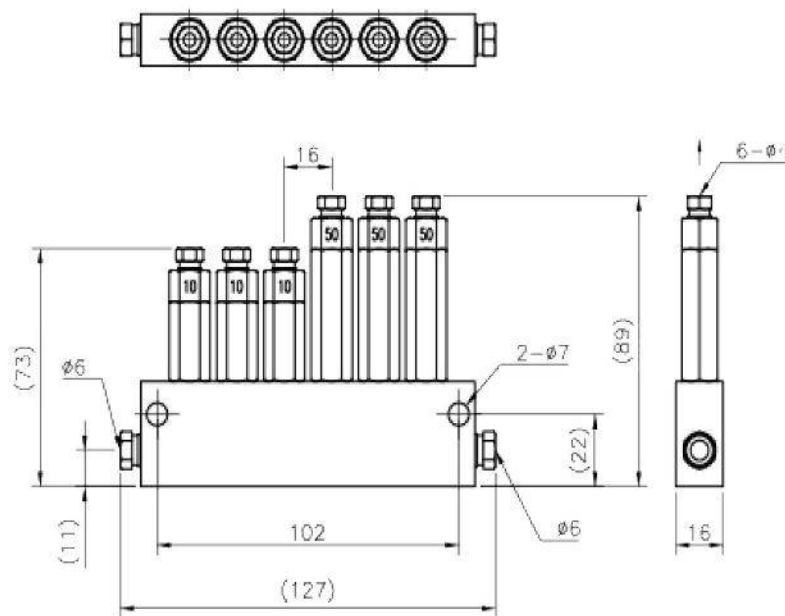
## DOSIFICADORES DE GRASA PARA SISTEMAS PROGRESIVOS





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ISHAN PRECISION INDUSTRY, CO., LTD





## Characteristics & Dimensions

| MODEL       | OUTLET<br>NUMBER (N) | A      | B      | METERED<br>VOLUME                            |
|-------------|----------------------|--------|--------|----------------------------------------------|
| SM DMV-0100 | 1                    | 33.00  | 22.00  | 0.03<br>0.05<br>0.10<br>0.20<br>0.30<br>0.50 |
| SM DMV-0200 | 2                    | 49.00  | 38.00  |                                              |
| SM DMV-0300 | 3                    | 65.00  | 54.00  |                                              |
| SM DMV-0400 | 4                    | 81.00  | 7.00   |                                              |
| SM DMV-0500 | 5                    | 97.00  | 86.00  |                                              |
| SM DMV-0600 | 6                    | 113.00 | 102.00 |                                              |

\*\* Metered Volume is given in c.c.  
 \*\*\* There is an option with a Ø4 outlet.  
 \*\*\*\* All dimensions are given in millimeters.

# SM DMV-0500

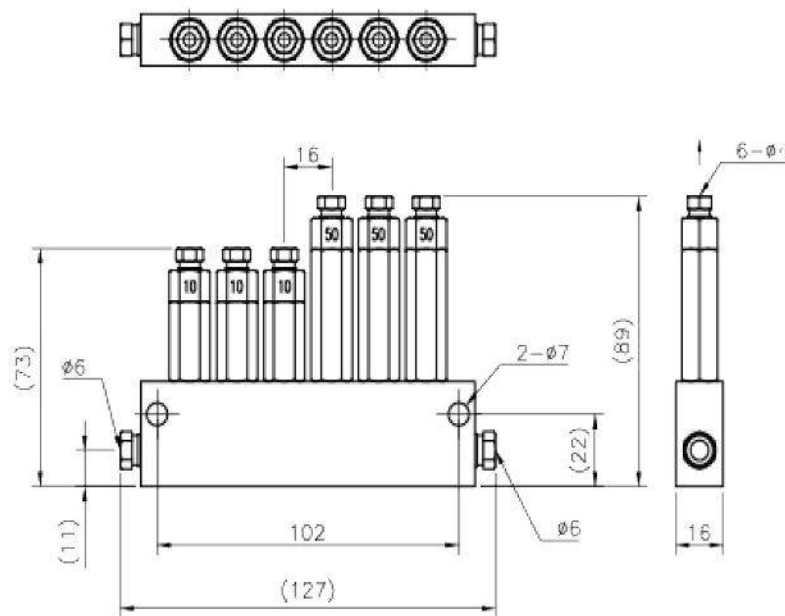
## DOSIFICADORES DE GRASA PARA SISTEMAS PROGRESIVOS





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## Characteristics & Dimensions

| MODEL                                                                                                                           | OUTLET<br>NUMBER (N) | A      | B      | METERED<br>VOLUME                            |
|---------------------------------------------------------------------------------------------------------------------------------|----------------------|--------|--------|----------------------------------------------|
| SM DMV-0100                                                                                                                     | 1                    | 33.00  | 22.00  | 0.03<br>0.05<br>0.10<br>0.20<br>0.30<br>0.50 |
| SM DMV-0200                                                                                                                     | 2                    | 49.00  | 38.00  |                                              |
| SM DMV-0300                                                                                                                     | 3                    | 65.00  | 54.00  |                                              |
| SM DMV-0400                                                                                                                     | 4                    | 81.00  | 7.00   |                                              |
| SM DMV-0500                                                                                                                     | 5                    | 97.00  | 86.00  |                                              |
| SM DMV-0600                                                                                                                     | 6                    | 113.00 | 102.00 |                                              |
| ** Metered Volume is given in c.c.<br>*** There is an option with a Ø4 outlet.<br>**** All dimensions are given in millimeters. |                      |        |        |                                              |

# SM DMV-0600

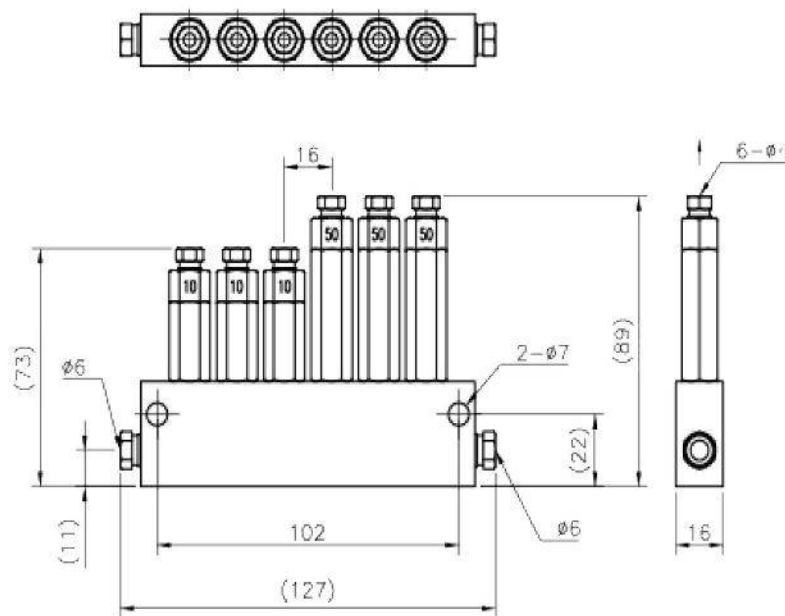
## PROGRESIVE SYSTEMS GREASE DISPENSERS





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LUBRICATION SYSTEM

伊山精密工業股份有限公司  
ISHAN PRECISION INDUSTRY, CO., LTD





## Characteristics & Dimensions

| MODEL       | OUTLET<br>NUMBER (N) | A      | B      | METERED<br>VOLUME                            |
|-------------|----------------------|--------|--------|----------------------------------------------|
| SM DMV-0100 | 1                    | 33.00  | 22.00  | 0.03<br>0.05<br>0.10<br>0.20<br>0.30<br>0.50 |
| SM DMV-0200 | 2                    | 49.00  | 38.00  |                                              |
| SM DMV-0300 | 3                    | 65.00  | 54.00  |                                              |
| SM DMV-0400 | 4                    | 81.00  | 7.00   |                                              |
| SM DMV-0500 | 5                    | 97.00  | 86.00  |                                              |
| SM DMV-0600 | 6                    | 113.00 | 102.00 |                                              |

\*\* Metered Volume is given in c.c.  
 \*\*\* There is an option with a Ø4 outlet.  
 \*\*\*\* All dimensions are given in millimeters.

# SM DT SERIES

## OIL DISTRIBUTORS FOR PISTON SYSTEMS



# SM DT-0200

## PISTON SYSTEM

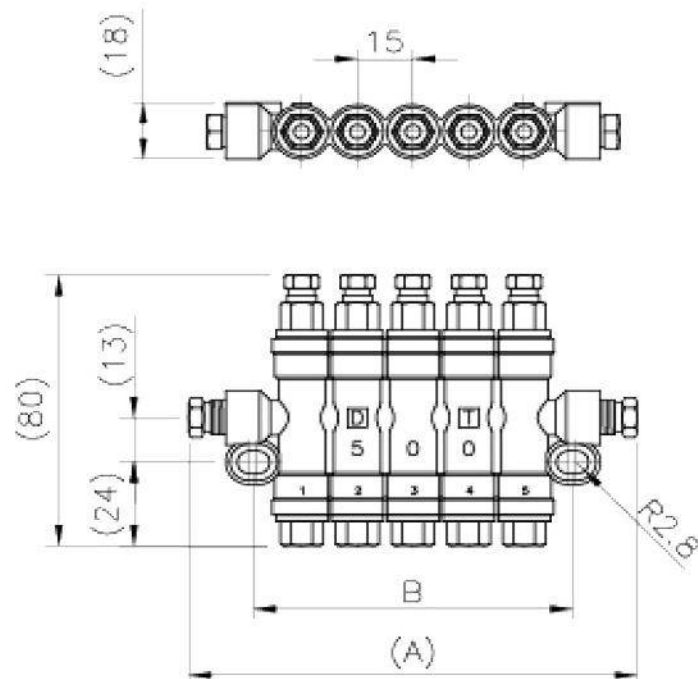
### OIL DISTRIBUTORS





**ISHAN**  
LUBRICATION SYSTEM

伊山精密工業股份有限公司  
ISHAN PRECISION INDUSTRY, CO., LTD



## Characteristics & Dimensions

| MODEL      | OUTLET<br>NUMBER (N) | A      | B              | METERED<br>VOLUME |
|------------|----------------------|--------|----------------|-------------------|
| SM DT-0200 | 2                    | 75.00  | 39.00 ~ 43.00  | 0.10              |
| SM DT-0300 | 3                    | 90.00  | 54.00 ~ 58.00  | 0.16              |
| SM DT-0400 | 4                    | 105.00 | 69.00 ~ 73.00  | 0.20              |
| SM DT-0500 | 5                    | 120.00 | 84.00 ~ 88.00  | 0.30              |
| SM DT-600  | 6                    | 135.00 | 99.00 ~ 103.00 | 0.40              |
|            |                      |        |                | 0.50              |

\*\* Metered Volume is given in c.c.  
 \*\*\* There is an option with a Ø4 outlet.  
 \*\*\*\* All dimensions are given in millimeters.

# SM DT-0300

## PISTON SYSTEM

### OIL DISTRIBUTORS

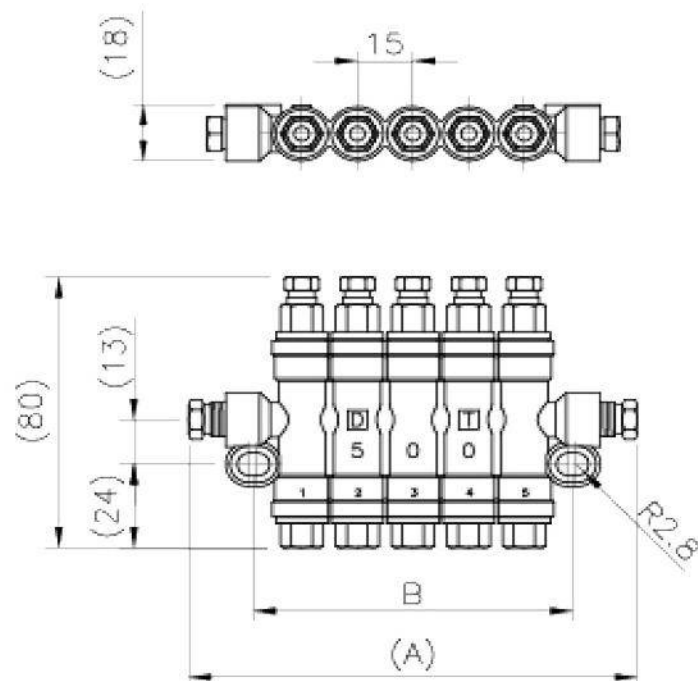






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## Characteristics & Dimensions

| MODEL      | OUTLET<br>NUMBER (N) | A      | B              | METERED<br>VOLUME |
|------------|----------------------|--------|----------------|-------------------|
| SM DT-0200 | 2                    | 75.00  | 39.00 ~ 43.00  | 0.10              |
| SM DT-0300 | 3                    | 90.00  | 54.00 ~ 58.00  | 0.16              |
| SM DT-0400 | 4                    | 105.00 | 69.00 ~ 73.00  | 0.20              |
| SM DT-0500 | 5                    | 120.00 | 84.00 ~ 88.00  | 0.30              |
| SM DT-600  | 6                    | 135.00 | 99.00 ~ 103.00 | 0.40              |
|            |                      |        |                | 0.50              |

\*\* Metered Volume is given in c.c.  
\*\*\* There is an option with a Ø4 outlet.  
\*\*\*\* All dimensions are given in millimeters.

# SM DT-0400

## PISTON SYSTEM

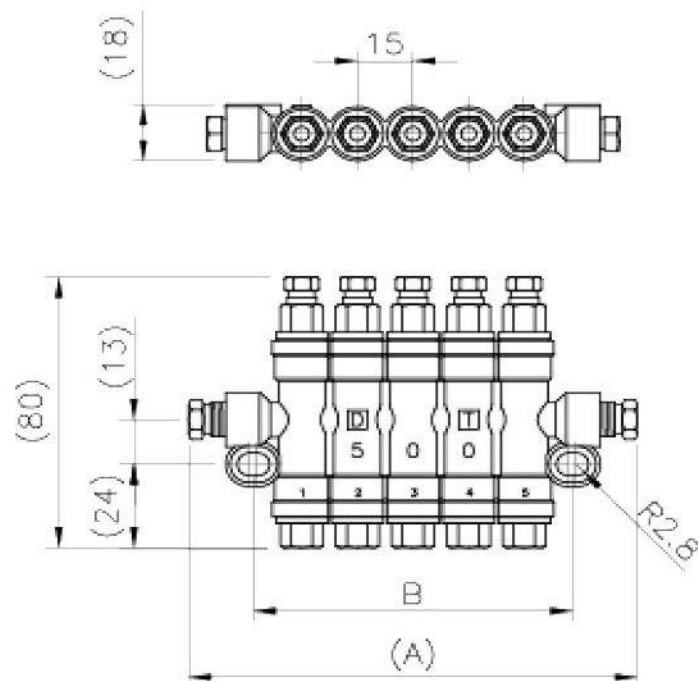
### OIL DISTRIBUTORS





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## Characteristics & Dimensions

| MODEL      | OUTLET<br>NUMBER (N) | A      | B              | METERED<br>VOLUME |
|------------|----------------------|--------|----------------|-------------------|
| SM DT-0200 | 2                    | 75.00  | 39.00 ~ 43.00  | 0.10              |
| SM DT-0300 | 3                    | 90.00  | 54.00 ~ 58.00  | 0.16              |
| SM DT-0400 | 4                    | 105.00 | 69.00 ~ 73.00  | 0.20              |
| SM DT-0500 | 5                    | 120.00 | 84.00 ~ 88.00  | 0.30              |
| SM DT-600  | 6                    | 135.00 | 99.00 ~ 103.00 | 0.40              |
|            |                      |        |                | 0.50              |

\*\* Metered Volume is given in c.c.  
 \*\*\* There is an option with a Ø4 outlet.  
 \*\*\*\* All dimensions are given in millimeters.

# SM DT-0500

## PISTON SYSTEM

### OIL DISTRIBUTORS

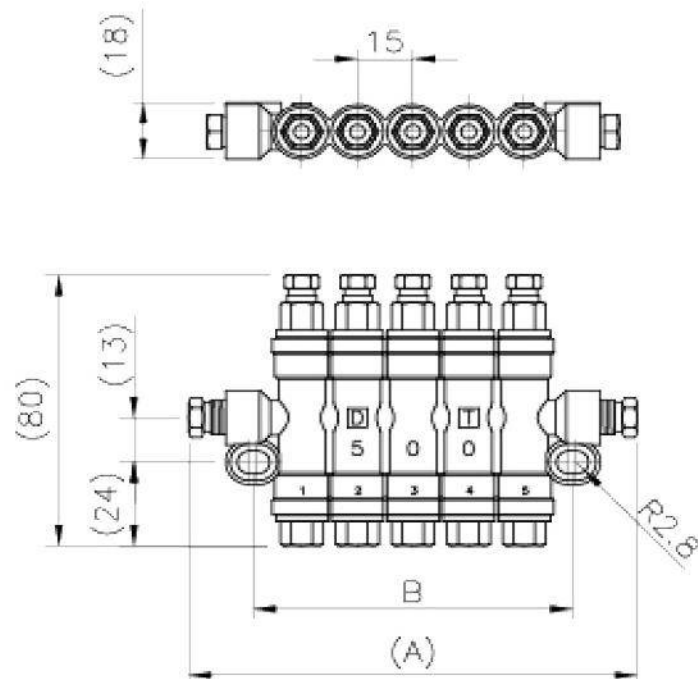






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## Characteristics & Dimensions

| MODEL      | OUTLET<br>NUMBER (N) | A      | B              | METERED<br>VOLUME |
|------------|----------------------|--------|----------------|-------------------|
| SM DT-0200 | 2                    | 75.00  | 39.00 ~ 43.00  | 0.10              |
| SM DT-0300 | 3                    | 90.00  | 54.00 ~ 58.00  | 0.16              |
| SM DT-0400 | 4                    | 105.00 | 69.00 ~ 73.00  | 0.20              |
| SM DT-0500 | 5                    | 120.00 | 84.00 ~ 88.00  | 0.30              |
| SM DT-600  | 6                    | 135.00 | 99.00 ~ 103.00 | 0.40              |
|            |                      |        |                | 0.50              |

\*\* Metered Volume is given in c.c.  
 \*\*\* There is an option with a Ø4 outlet.  
 \*\*\*\* All dimensions are given in millimeters.

# SM DT-0600

## PISTON SYSTEM

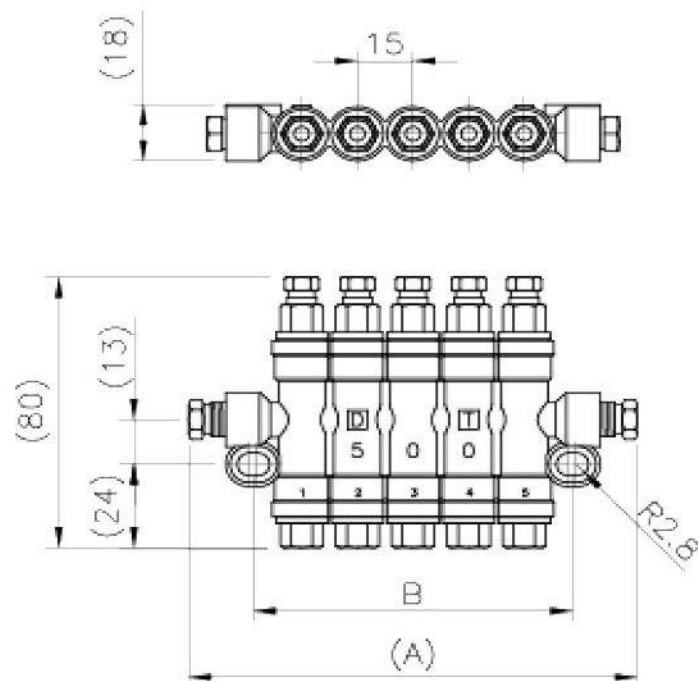
### OIL DISTRIBUTORS





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## Characteristics & Dimensions

| MODEL      | OUTLET<br>NUMBER (N) | A      | B              | METERED<br>VOLUME |
|------------|----------------------|--------|----------------|-------------------|
| SM DT-0200 | 2                    | 75.00  | 39.00 ~ 43.00  | 0.10              |
| SM DT-0300 | 3                    | 90.00  | 54.00 ~ 58.00  | 0.16              |
| SM DT-0400 | 4                    | 105.00 | 69.00 ~ 73.00  | 0.20              |
| SM DT-0500 | 5                    | 120.00 | 84.00 ~ 88.00  | 0.30              |
| SM DT-600  | 6                    | 135.00 | 99.00 ~ 103.00 | 0.40              |
|            |                      |        |                | 0.50              |

\*\* Metered Volume is given in c.c.  
 \*\*\* There is an option with a Ø4 outlet.  
 \*\*\*\* All dimensions are given in millimeters.

# SM DU-P SERIES

## PROGRESSIVE GREASE DISTRIBUTORS

(WITH DETECTION SWITCH)

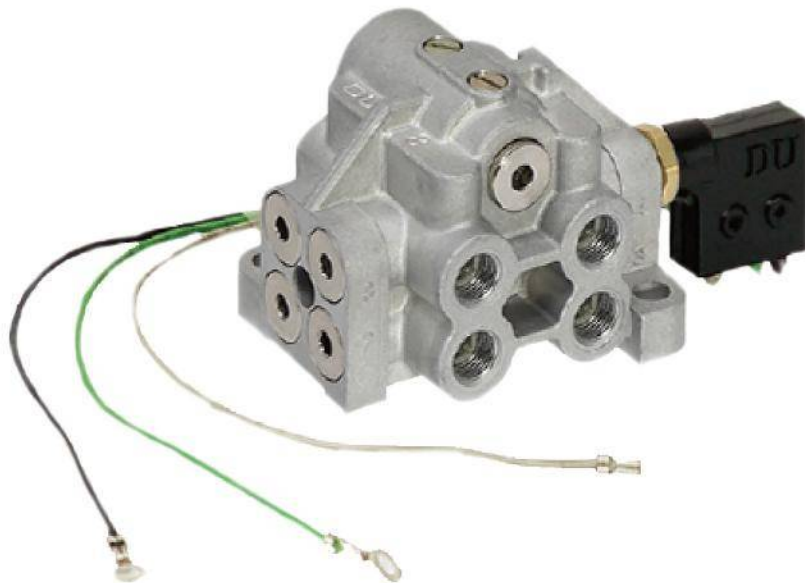




# SM DU-4P

## GREASE PROGRESIVE DISTRIBUTORS

(WITH MOVEMENT  
SENSOR SWITCH)



## Characteristics & Dimensions

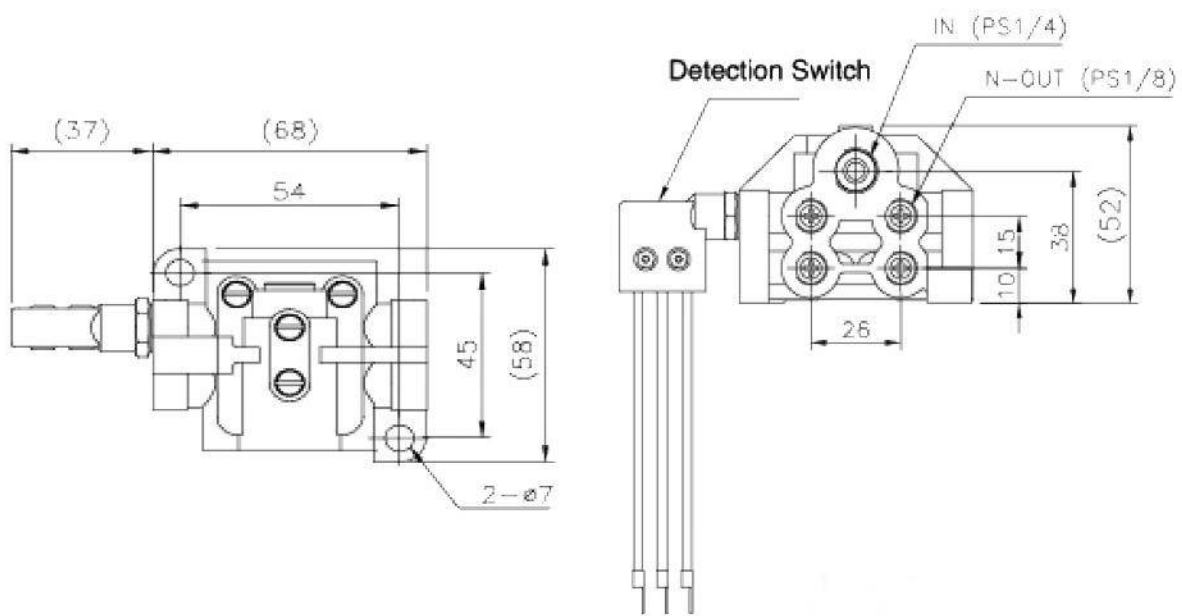
| SERIES | MODEL     | OUTLET<br>NUMBER (N) | OUTPUT<br>VOLUME | MAXIMUM<br>OUTPUT<br>PRESSURE | WEIGHT |
|--------|-----------|----------------------|------------------|-------------------------------|--------|
| SM DU  | SM DU-4P  | 4                    | 0.33             | 15.00<br>(150.00)             | 350.00 |
|        | SM DU-6P  | 6                    |                  |                               | 350.00 |
|        | SM DU-8P  | 8                    |                  |                               | 320.00 |
|        | SM DU-10P | 10                   |                  |                               | 440.00 |
|        | SM-DU12P  | 12                   |                  |                               | 440.00 |

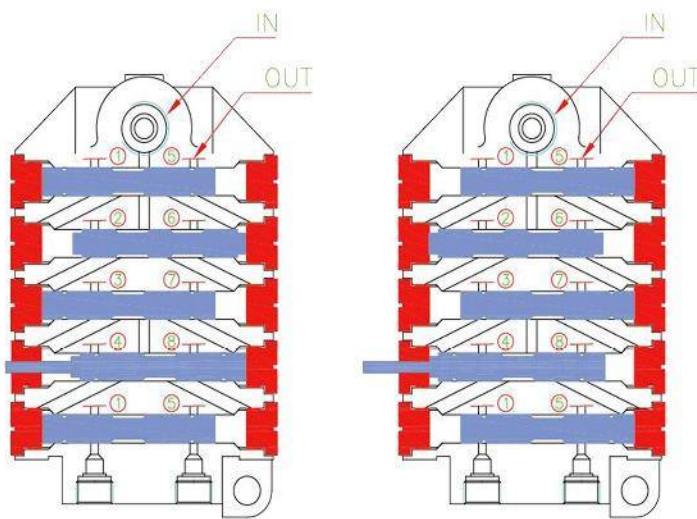
\*\* Output Volume is given in c.c./stroke  
 \*\*\* Maximum Output Pressure is given in  
 \*\*\*\* An odd number of device outputs can be requested, upon special request.  
 \*\*\*\*\* All dimensions are given in millimeters.



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## ISH DU SERIES Operation

As grease passes IN, each piston balances at the position as Diagram 1. The grease continuously pushes the left side of No.3 piston hole and pushes piston 3- 7 rightward to discharge grease in No.6 outlet.

The inclined right-sided holes of the closed No.3 piston hole and No.4 piston hole connect, and the inclined left-sided hole of No.4 piston hole connects the No.3 outlet.

The grease continuously pushes the right side of No.4 piston hole and pushes piston 4-8 leftward to discharge grease in No.3 outlet.

The inclined left-sided holes of the closed No.4 piston hole and No.1 piston hole connect, and the inclined right-sided hole of No.1 pistonhole connects the No.8 outlet.

The grease continuously pushes the left side of No.1 piston hole and pushes piston 1-5 rightward to discharge grease in No.8 outlet.

The inclined left-sided holes of the closed No.1 piston hole and No.2 piston hole connect, and the inclined left-sided hole of No.2 piston hole connects the No.1 outlet.

The grease continuously pushes the right side of No.2-6 piston hole and pushes piston leftward to discharge grease in No.1 outlet.

The first half of the discharging completes, and the final position is as Diagram2. The second half cycle is almost the same.

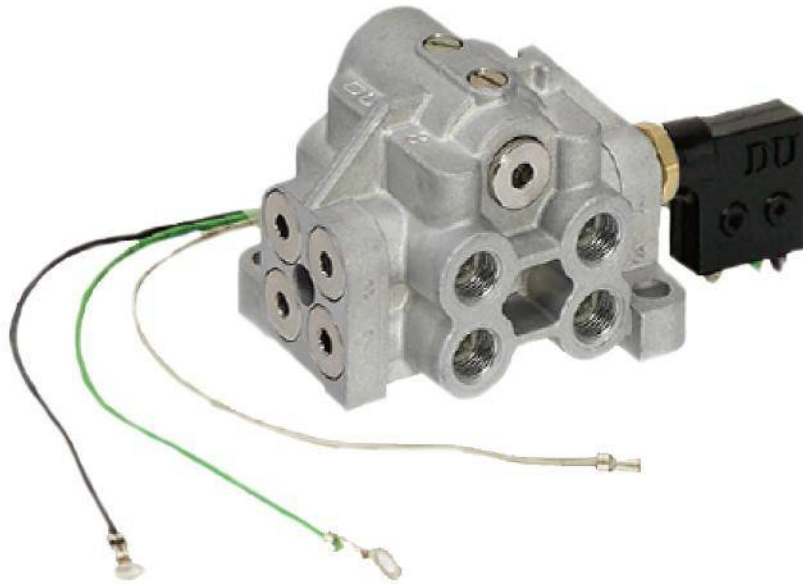
**Note:** Please **DO NOT** plug any outlet on purpose. The distributor **CAN NOT** operate at this condition.



# SM DU-6P

## GREASE PROGRESIVE DISTRIBUTORS

(WITH MOVEMENT  
SENSOR SWITCH)



## Characteristics & Dimensions

| SERIES | MODEL     | OUTLET<br>NUMBER (N) | OUTPUT<br>VOLUME | MAXIMUM<br>OUTPUT<br>PRESSURE | WEIGHT |
|--------|-----------|----------------------|------------------|-------------------------------|--------|
| SM DU  | SM DU-4P  | 4                    | 0.33             | 15.00<br>(150.00)             | 350.00 |
|        | SM DU-6P  | 6                    |                  |                               | 350.00 |
|        | SM DU-8P  | 8                    |                  |                               | 320.00 |
|        | SM DU-10P | 10                   |                  |                               | 440.00 |
|        | SM-DU12P  | 12                   |                  |                               | 440.00 |

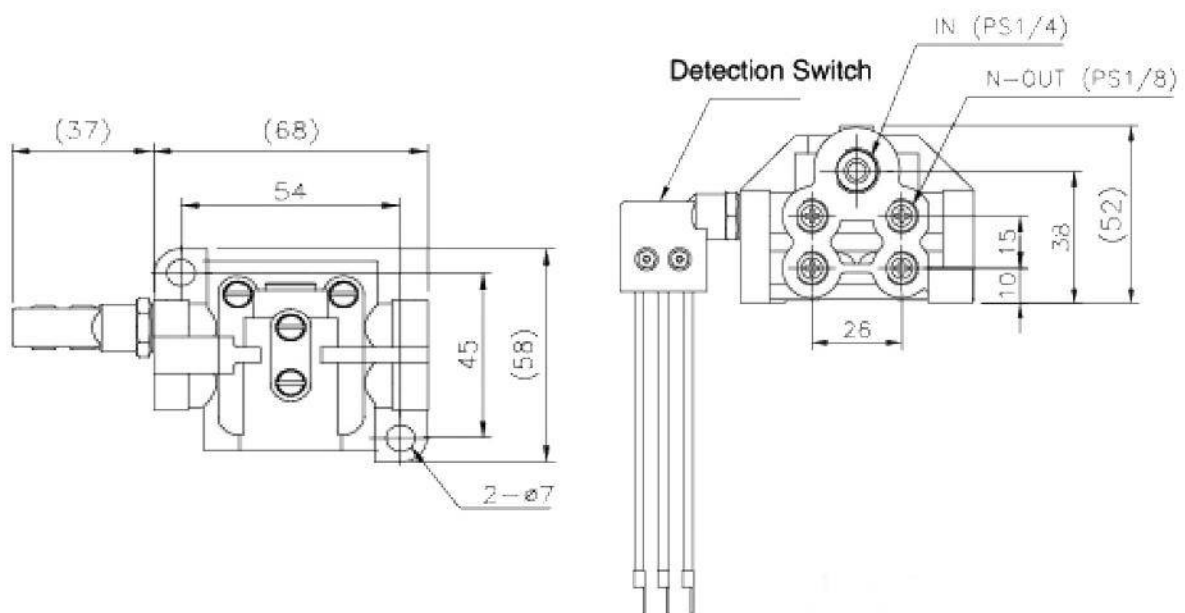
\*\* Output Volume is given in c.c./stroke  
 \*\*\* Maximum Output Pressure is given in  
 \*\*\*\* An odd number of device outputs can be requested, upon special request.  
 \*\*\*\*\* All dimensions are given in millimeters.

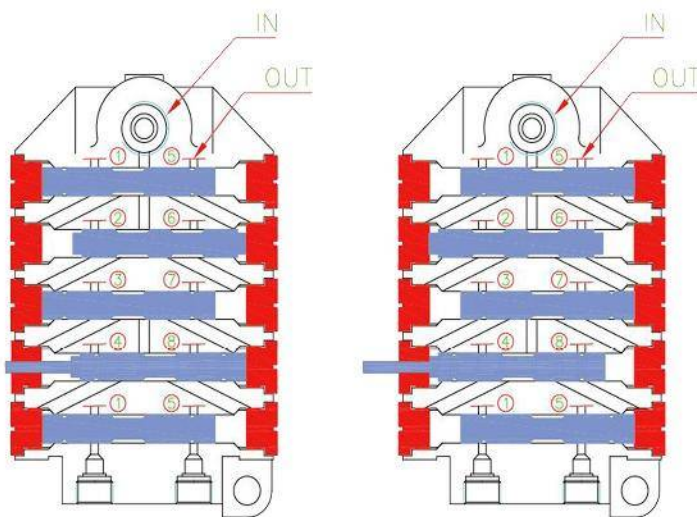




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## ISH DU SERIES Operation

As grease passes IN, each piston balances at the position as Diagram 1. The grease continuously pushes the left side of No.3 piston hole and pushes piston 3- 7 rightward to discharge grease in No.6 outlet.

The inclined right-sided holes of the closed No.3 piston hole and No.4 piston hole connect, and the inclined left-sided hole of No.4 piston hole connects the No.3 outlet.

The grease continuously pushes the right side of No.4 piston hole and pushes piston 4-8 leftward to discharge grease in No.3 outlet.

The inclined left-sided holes of the closed No.4 piston hole and No.1 piston hole connect, and the inclined right-sided hole of No.1 pistonhole connects the No.8 outlet.

The grease continuously pushes the left side of No.1 piston hole and pushes piston 1-5 rightward to discharge grease in No.8 outlet.

The inclined left-sided holes of the closed No.1 piston hole and No.2 piston hole connect, and the inclined left-sided hole of No.2 piston hole connects the No.1 outlet.

The grease continuously pushes the right side of No.2-6 piston hole and pushes piston leftward to discharge grease in No.1 outlet.

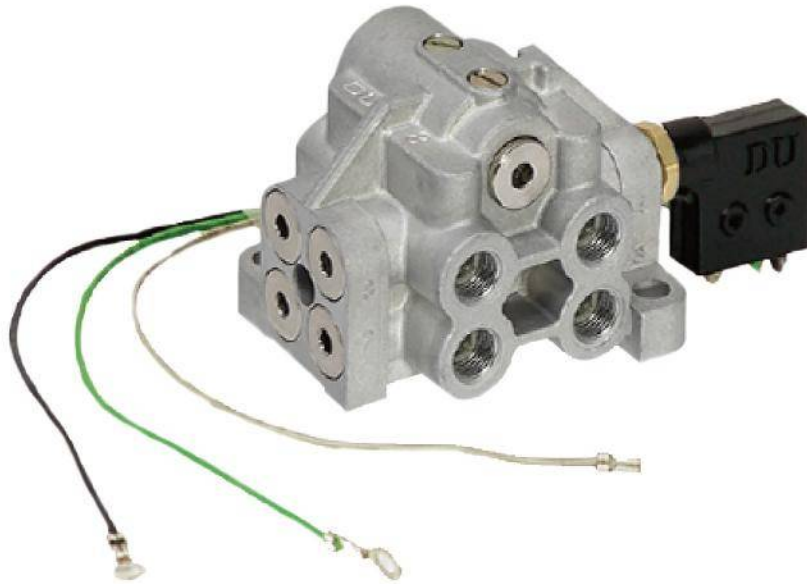
The first half of the discharging completes, and the final position is as Diagram2. The second half cycle is almost the same.

**Note:** Please **DO NOT** plug any outlet on purpose. The distributor **CAN NOT** operate at this condition.

# SM DU-8P

## GREASE PROGRESIVE DISTRIBUTORS

(WITH MOVEMENT  
SENSOR SWITCH)



## Characteristics & Dimensions

| SERIES | MODEL     | OUTLET<br>NUMBER (N) | OUTPUT<br>VOLUME | MAXIMUM<br>OUTPUT<br>PRESSURE | WEIGHT |
|--------|-----------|----------------------|------------------|-------------------------------|--------|
| SM DU  | SM DU-4P  | 4                    | 0.33             | 15.00<br>(150.00)             | 350.00 |
|        | SM DU-6P  | 6                    |                  |                               | 350.00 |
|        | SM DU-8P  | 8                    |                  |                               | 320.00 |
|        | SM DU-10P | 10                   |                  |                               | 440.00 |
|        | SM-DU12P  | 12                   |                  |                               | 440.00 |

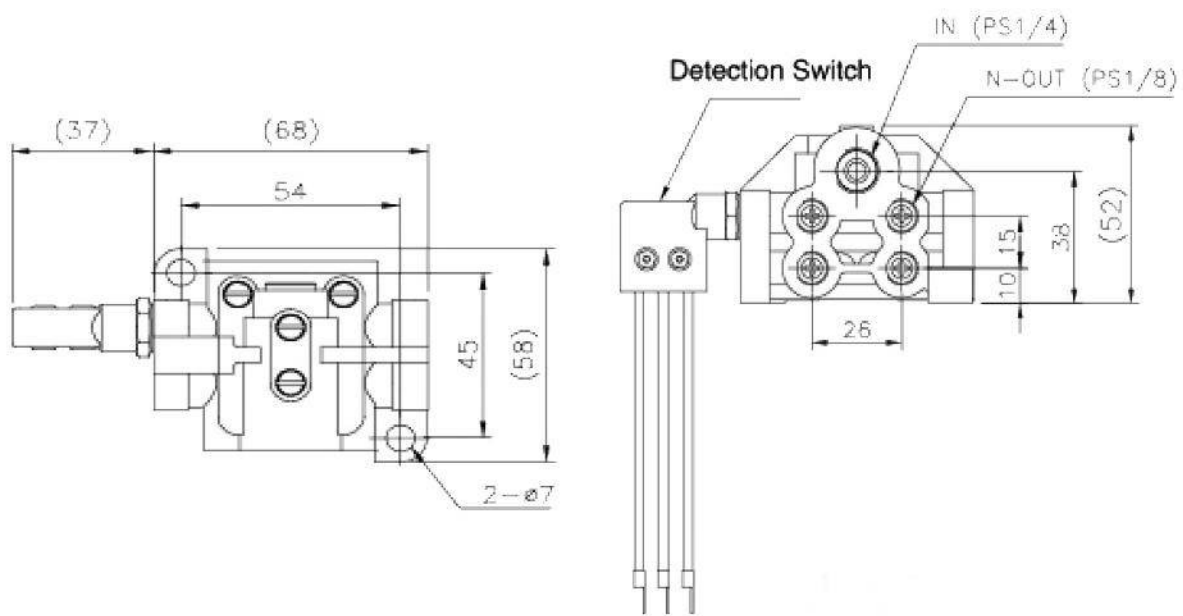
\*\* Output Volume is given in c.c./stroke  
 \*\*\* Maximum Output Pressure is given in  
 \*\*\*\* An odd number of device outputs can be requested, upon special request.  
 \*\*\*\*\* All dimensions are given in millimeters.

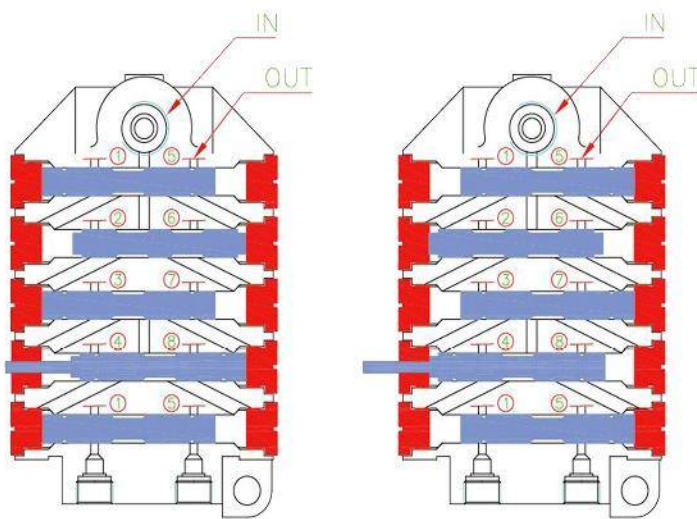




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## ISH DU SERIES Operation

As grease passes IN, each piston balances at the position as Diagram 1. The grease continuously pushes the left side of No.3 piston hole and pushes piston 3- 7 rightward to discharge grease in No.6 outlet.

The inclined right-sided holes of the closed No.3 piston hole and No.4 piston hole connect, and the inclined left-sided hole of No.4 piston hole connects the No.3 outlet.

The grease continuously pushes the right side of No.4 piston hole and pushes piston 4-8 leftward to discharge grease in No.3 outlet.

The inclined left-sided holes of the closed No.4 piston hole and No.1 piston hole connect, and the inclined right-sided hole of No.1 pistonhole connects the No.8 outlet.

The grease continuously pushes the left side of No.1 piston hole and pushes piston 1-5 rightward to discharge grease in No.8 outlet.

The inclined left-sided holes of the closed No.1 piston hole and No.2 piston hole connect, and the inclined left-sided hole of No.2 piston hole connects the No.1 outlet.

The grease continuously pushes the right side of No.2-6 piston hole and pushes piston leftward to discharge grease in No.1 outlet.

The first half of the discharging completes, and the final position is as Diagram2. The second half cycle is almost the same.

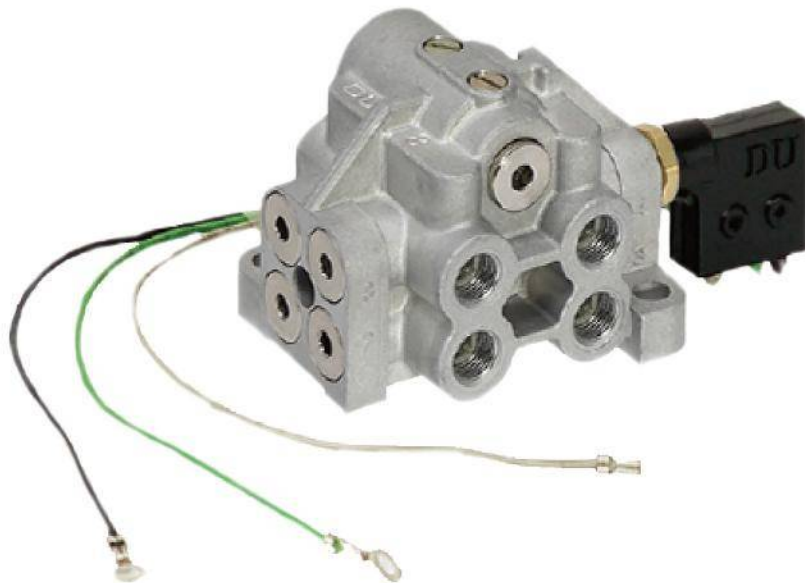
**Note:** Please **DO NOT** plug any outlet on purpose. The distributor **CAN NOT** operate at this condition.



# SM DU-10P

## GREASE PROGRESIVE DISTRIBUTORS

(WITH MOVEMENT  
SENSOR SWITCH)



## Characteristics & Dimensions

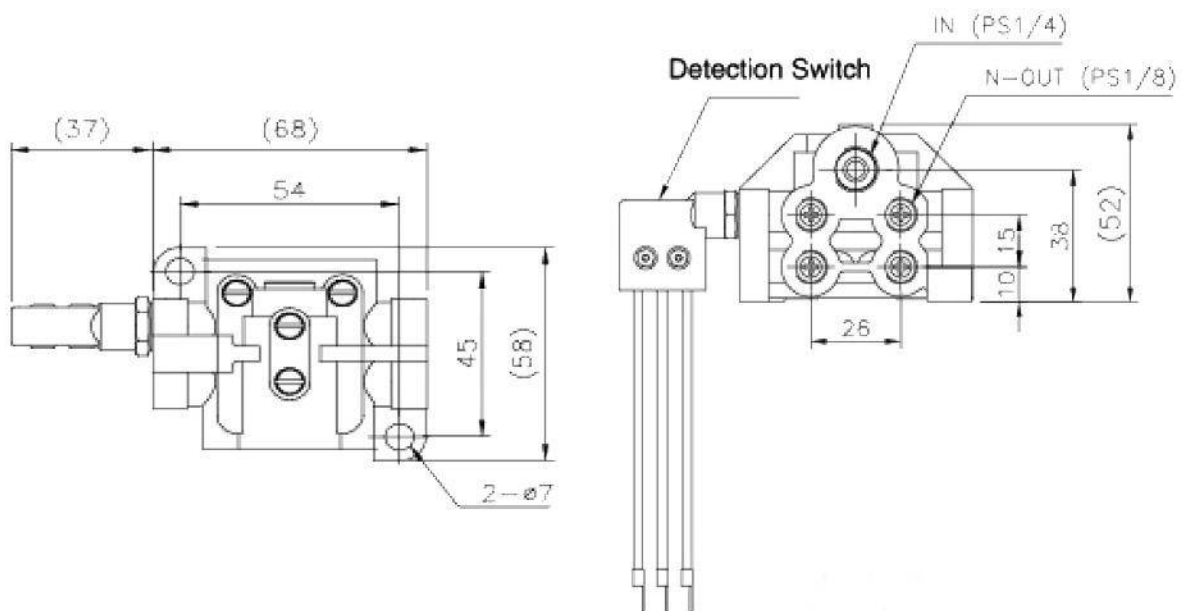
| SERIES | MODEL     | OUTLET<br>NUMBER (N) | OUTPUT<br>VOLUME | MAXIMUM<br>OUTPUT<br>PRESSURE | WEIGHT |
|--------|-----------|----------------------|------------------|-------------------------------|--------|
| SM DU  | SM DU-4P  | 4                    | 0.33             | 15.00<br>(150.00)             | 350.00 |
|        | SM DU-6P  | 6                    |                  |                               | 350.00 |
|        | SM DU-8P  | 8                    |                  |                               | 320.00 |
|        | SM DU-10P | 10                   |                  |                               | 440.00 |
|        | SM-DU12P  | 12                   |                  |                               | 440.00 |

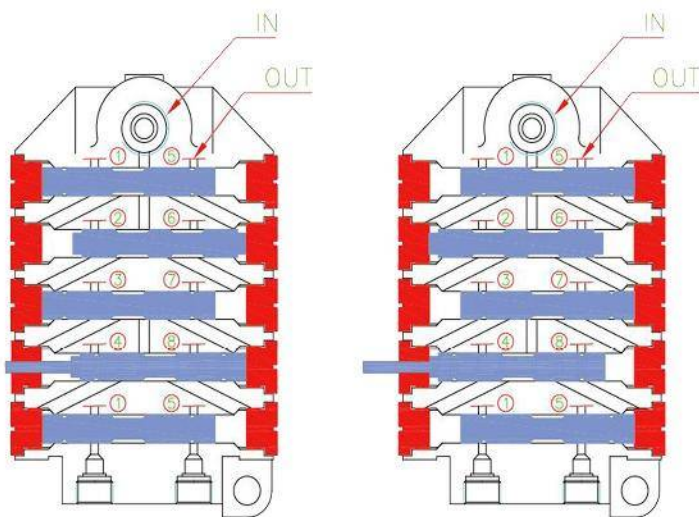
\*\* Output Volume is given in c.c./stroke  
 \*\*\* Maximum Output Pressure is given in  
 \*\*\*\* An odd number of device outputs can be requested, upon special request.  
 \*\*\*\*\* All dimensions are given in millimeters.



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## ISH DU SERIES Operation

As grease passes IN, each piston balances at the position as Diagram 1. The grease continuously pushes the left side of No.3 piston hole and pushes piston 3- 7 rightward to discharge grease in No.6 outlet.

The inclined right-sided holes of the closed No.3 piston hole and No.4 piston hole connect, and the inclined left-sided hole of No.4 piston hole connects the No.3 outlet.

The grease continuously pushes the right side of No.4 piston hole and pushes piston 4-8 leftward to discharge grease in No.3 outlet.

The inclined left-sided holes of the closed No.4 piston hole and No.1 piston hole connect, and the inclined right-sided hole of No.1 pistonhole connects the No.8 outlet.

The grease continuously pushes the left side of No.1 piston hole and pushes piston 1-5 rightward to discharge grease in No.8 outlet.

The inclined left-sided holes of the closed No.1 piston hole and No.2 piston hole connect, and the inclined left-sided hole of No.2 piston hole connects the No.1 outlet.

The grease continuously pushes the right side of No.2-6 piston hole and pushes piston leftward to discharge grease in No.1 outlet.

The first half of the discharging completes, and the final position is as Diagram2. The second half cycle is almost the same.

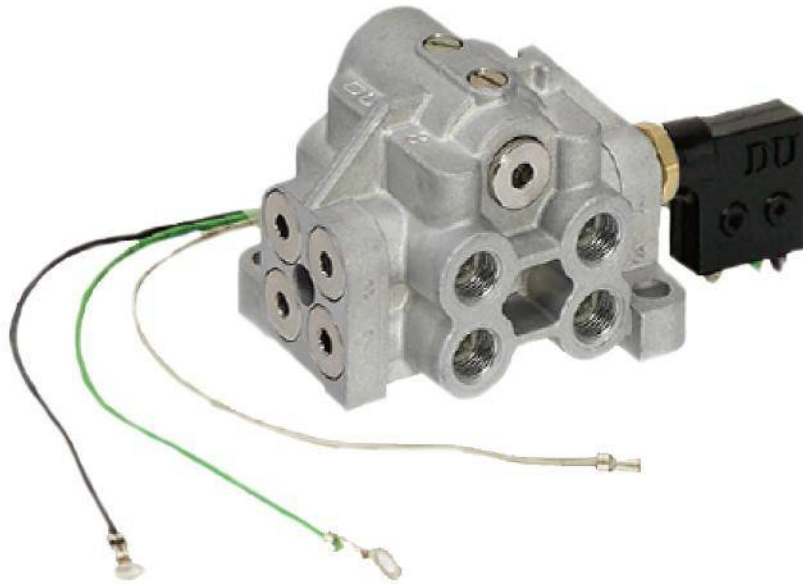
**Note:** Please **DO NOT** plug any outlet on purpose. The distributor **CAN NOT** operate at this condition.



# ISH DU-12P

## GREASE PROGRESSIVE DISTRIBUTORS

(WITH MOVEMENT  
SENSOR SWITCH)



## Characteristics & Dimensions

| SERIES | MODEL     | OUTLET<br>NUMBER (N) | OUTPUT<br>VOLUME | MAXIMUM<br>OUTPUT<br>PRESSURE | WEIGHT |
|--------|-----------|----------------------|------------------|-------------------------------|--------|
| SM DU  | SM DU-4P  | 4                    | 0.33             | 15.00<br>(150.00)             | 350.00 |
|        | SM DU-6P  | 6                    |                  |                               | 350.00 |
|        | SM DU-8P  | 8                    |                  |                               | 320.00 |
|        | SM DU-10P | 10                   |                  |                               | 440.00 |
|        | SM-DU12P  | 12                   |                  |                               | 440.00 |

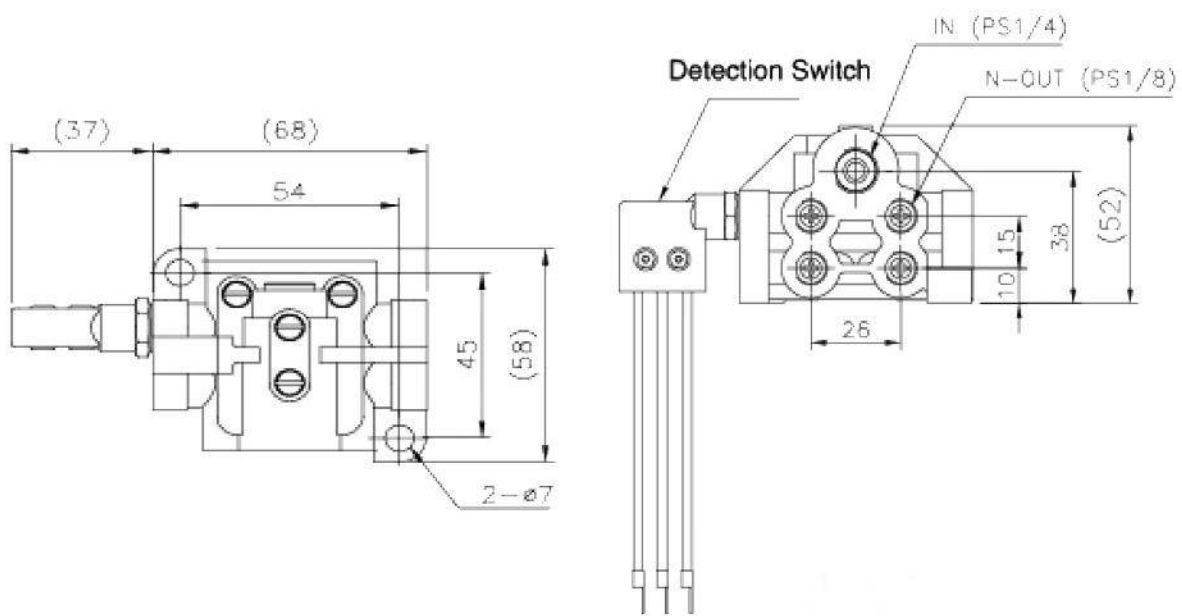
\*\* Output Volume is given in c.c./stroke  
 \*\*\* Maximum Output Pressure is given in  
 \*\*\*\* An odd number of device outputs can be requested, upon special request.  
 \*\*\*\*\* All dimensions are given in millimeters.

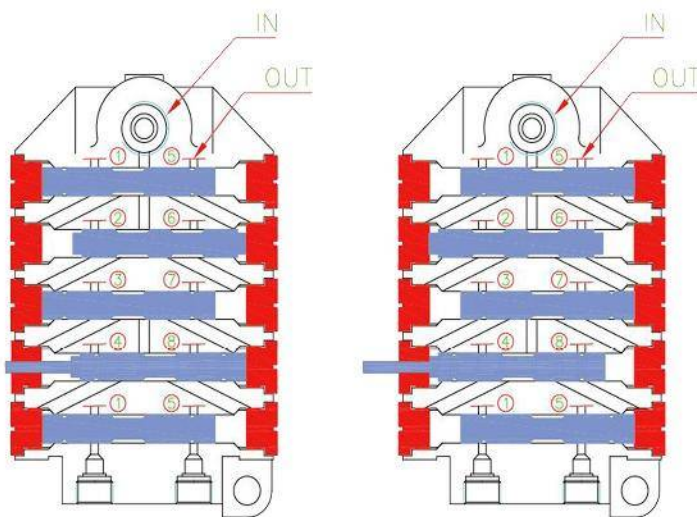




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## ISH DU SERIES Operation

As grease passes IN, each piston balances at the position as Diagram 1. The grease continuously pushes the left side of No.3 piston hole and pushes piston 3- 7 rightward to discharge grease in No.6 outlet.

The inclined right-sided holes of the closed No.3 piston hole and No.4 piston hole connect, and the inclined left-sided hole of No.4 piston hole connects the No.3 outlet.

The grease continuously pushes the right side of No.4 piston hole and pushes piston 4-8 leftward to discharge grease in No.3 outlet.

The inclined left-sided holes of the closed No.4 piston hole and No.1 piston hole connect, and the inclined right-sided hole of No.1 pistonhole connects the No.8 outlet.

The grease continuously pushes the left side of No.1 piston hole and pushes piston 1-5 rightward to discharge grease in No.8 outlet.

The inclined left-sided holes of the closed No.1 piston hole and No.2 piston hole connect, and the inclined left-sided hole of No.2 piston hole connects the No.1 outlet.

The grease continuously pushes the right side of No.2-6 piston hole and pushes piston leftward to discharge grease in No.1 outlet.

The first half of the discharging completes, and the final position is as Diagram2. The second half cycle is almost the same.

**Note:** Please **DO NOT** plug any outlet on purpose. The distributor **CAN NOT** operate at this condition.

# SM DU-T SERIES

## PROGRESSIVE GREASE DISTRIBUTORS



# SM DU-4T

## GREASE PROGRESSIVE DISTRIBUTORS





## Characteristics & Dimensions

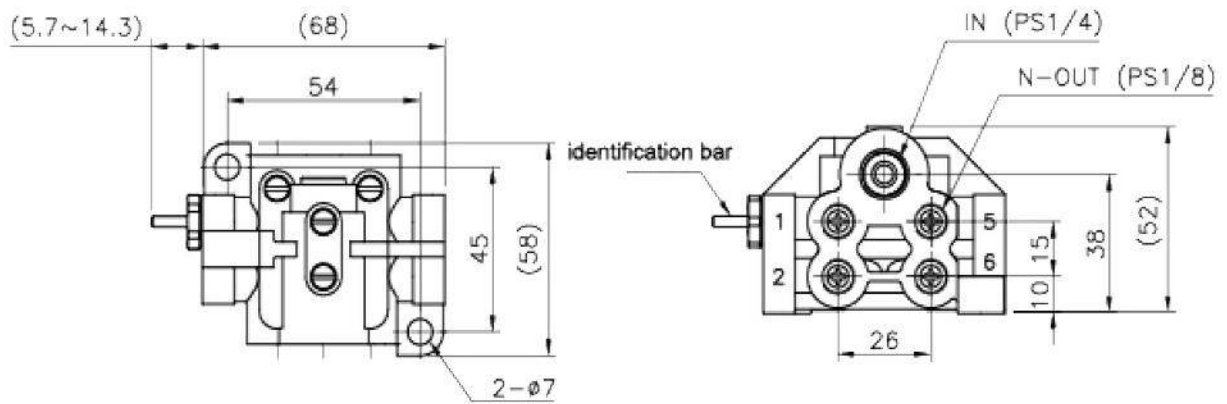
| SERIES | MODEL     | OUTLET<br>NUMBER (N) | OUTPUT<br>VOLUME | MAXIMUM<br>OUTPUT<br>PRESSURE | WEIGHT |
|--------|-----------|----------------------|------------------|-------------------------------|--------|
| SM DU  | SM DU-4T  | 4                    | 0.33             | 15.00<br>(150.00)             | 350.00 |
|        | SM DU-6T  | 6                    |                  |                               | 350.00 |
|        | SM DU-8T  | 8                    |                  |                               | 320.00 |
|        | SM DU-10T | 10                   |                  |                               | 440.00 |
|        | SM-DU12T  | 12                   |                  |                               | 440.00 |

\*\* Output Volume is given in c.c./stroke  
 \*\*\* Maximum Output Pressure is given in  
 \*\*\*\* An odd number of device outputs can be requested, upon special request.  
 \*\*\*\*\* All dimensions are given in millimeters.

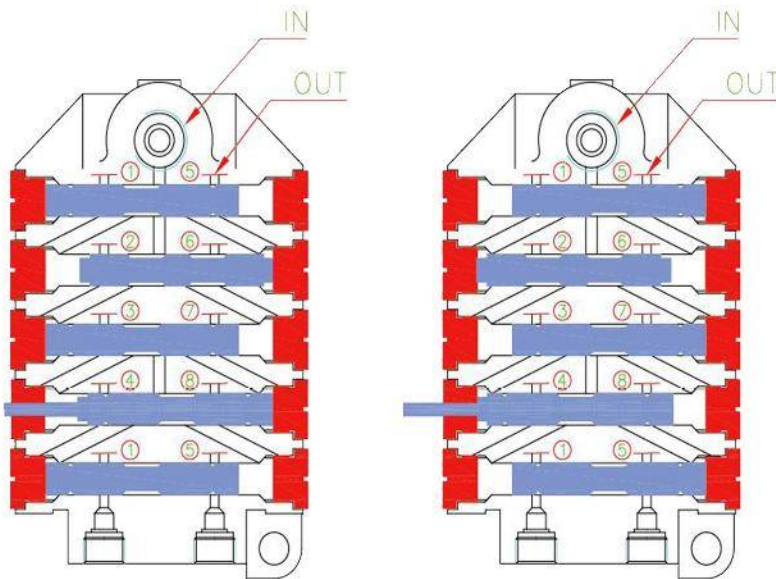


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## OPERACIÓN DE LA SERIE DU

Al pasar la grasa de entrada, cada pistón se balancea según se muestra en el diagrama #1.

La grasa presiona de manera continua el lado izquierdo de las perforaciones del pistón #3 y presiona el lado derecho de los pistones #3 - #7 para descargar la grasa en la salida #6.

La perforaciones inclinadas del lado derecho de la perforación cerrada del pistón #3 y la perforación del pistón #4 son comunicadas, y las perforaciones inclinadas del lado izquierdo del pistón #4 se comunican con la salida #3.

La grasa presiona de manera continua la perforación del lado derecho del pistón #4 y presiona los pistones #4 - #8 hacia la izquierda para descargar grasa en la salida #3.

Las perforaciones inclinadas del lado izquierdo de la perforación cerrada del pistón #4 y la perforación del pistón #1 se comunican, y las perforaciones inclinadas del lado derecho se conectas con la salida #8.

La grasa presiona de manera continua el lado izquierdo de las perforaciones del pistón #1 y presiona el lado derecho de los pistones #1 - #5 para descargar la grasa en la salida #8.

La perforaciones inclinadas del lado derecho de la perforación cerrada del pistón #1 y la perforación del pistón #2 son comunicadas, y las perforaciones inclinadas del lado izquierdo del pistón #2 se comunican con la salida #1.

La grasa presiona de manera continua el lado derecho de las perforaciones de los pistones #2 - #6 y presiona los pistones hacia la izquierda para descargar la grasa en la salida #1.

La primera parte del ciclo de descarga es completado, se muestra la posición final en el diagrama #2. La segunda parte del ciclo es prácticamente igual.

### NOTA:

**NO** conectar ninguna salida al dispositivo ninguna salida ya que el distribuidor no puede operar en estas condiciones.

# SM DU-6T

## GREASE PROGRESSIVE DISTRIBUTORS



## Characteristics & Dimensions

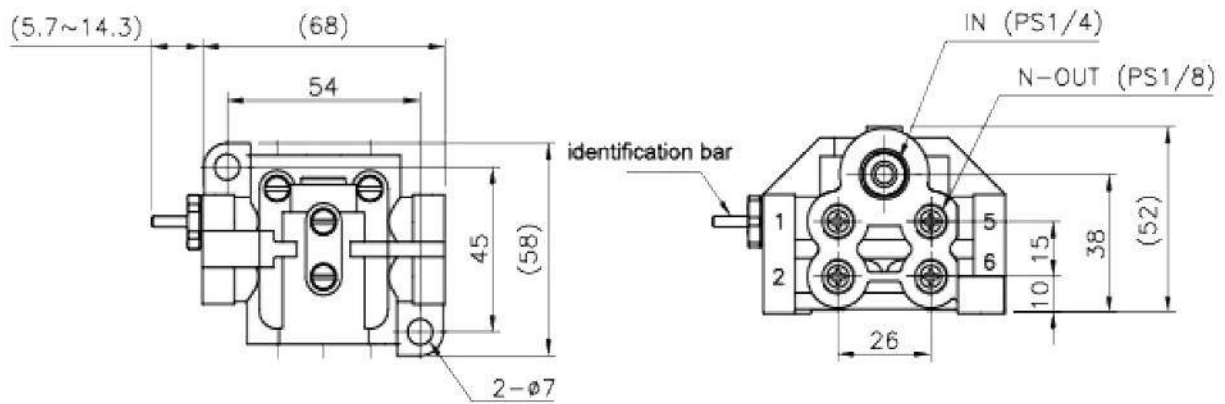
| SERIES | MODEL     | OUTLET<br>NUMBER (N) | OUTPUT<br>VOLUME | MAXIMUM<br>OUTPUT<br>PRESSURE | WEIGHT |
|--------|-----------|----------------------|------------------|-------------------------------|--------|
| SM DU  | SM DU-4T  | 4                    | 0.33             | 15.00<br>(150.00)             | 350.00 |
|        | SM DU-6T  | 6                    |                  |                               | 350.00 |
|        | SM DU-8T  | 8                    |                  |                               | 320.00 |
|        | SM DU-10T | 10                   |                  |                               | 440.00 |
|        | SM-DU12T  | 12                   |                  |                               | 440.00 |

\*\* Output Volume is given in c.c./stroke  
 \*\*\* Maximum Output Pressure is given in  
 \*\*\*\* An odd number of device outputs can be requested, upon special request.  
 \*\*\*\*\* All dimensions are given in millimeters.

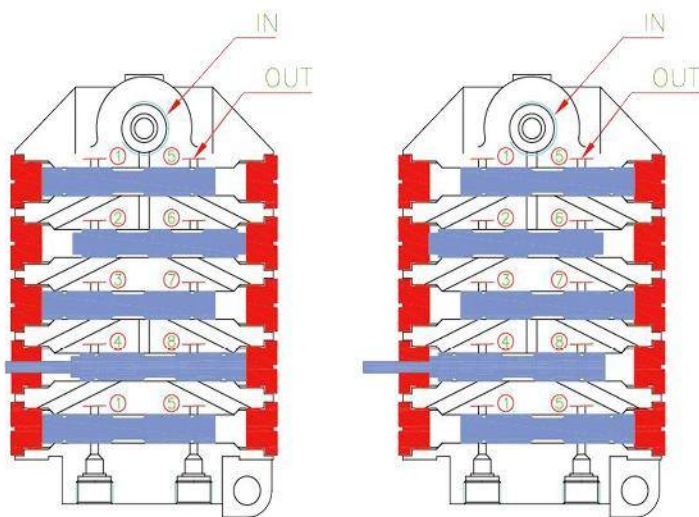


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## ISH DU SERIES Operation

As grease passes IN, each piston balances at the position as Diagram 1. The grease continuously pushes the left side of No.3 piston hole and pushes piston 3- 7 rightward to discharge grease in No.6 outlet.

The inclined right-sided holes of the closed No.3 piston hole and No.4 piston hole connect, and the inclined left-sided hole of No.4 piston hole connects the No.3 outlet.

The grease continuously pushes the right side of No.4 piston hole and pushes piston 4-8 leftward to discharge grease in No.3 outlet.

The inclined left-sided holes of the closed No.4 piston hole and No.1 piston hole connect, and the inclined right-sided hole of No.1 pistonhole connects the No.8 outlet.

The grease continuously pushes the left side of No.1 piston hole and pushes piston 1-5 rightward to discharge grease in No.8 outlet.

The inclined left-sided holes of the closed No.1 piston hole and No.2 piston hole connect, and the inclined left-sided hole of No.2 piston hole connects the No.1 outlet.

The grease continuously pushes the right side of No.2-6 piston hole and pushes piston leftward to discharge grease in No.1 outlet.

The first half of the discharging completes, and the final position is as Diagram2. The second half cycle is almost the same.

**Note:** Please **DO NOT** plug any outlet on purpose. The distributor **CAN NOT** operate at this condition.



# SM DU-8T

## GREASE PROGRESSIVE DISTRIBUTORS



## Characteristics & Dimensions

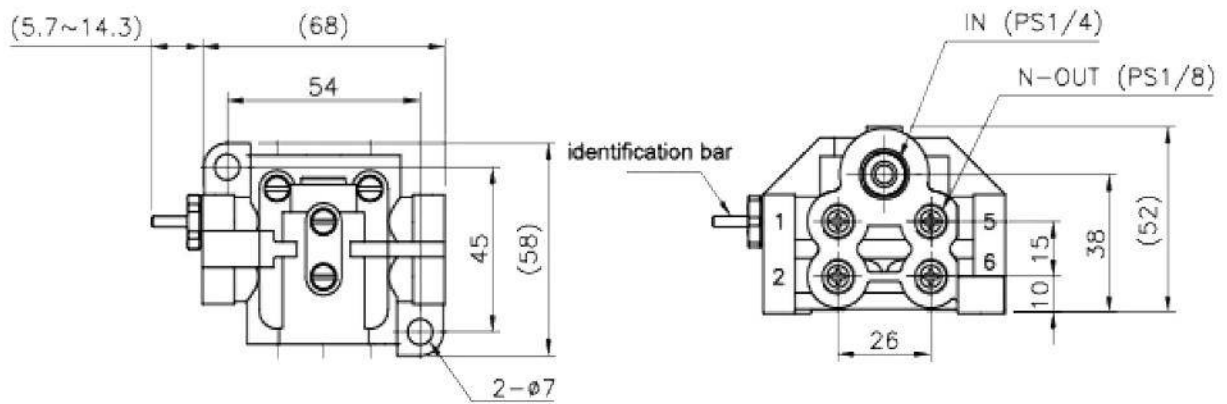
| SERIES | MODEL     | OUTLET<br>NUMBER (N) | OUTPUT<br>VOLUME | MAXIMUM<br>OUTPUT<br>PRESSURE | WEIGHT |
|--------|-----------|----------------------|------------------|-------------------------------|--------|
| SM DU  | SM DU-4T  | 4                    | 0.33             | 15.00<br>(150.00)             | 350.00 |
|        | SM DU-6T  | 6                    |                  |                               | 350.00 |
|        | SM DU-8T  | 8                    |                  |                               | 320.00 |
|        | SM DU-10T | 10                   |                  |                               | 440.00 |
|        | SM-DU12T  | 12                   |                  |                               | 440.00 |

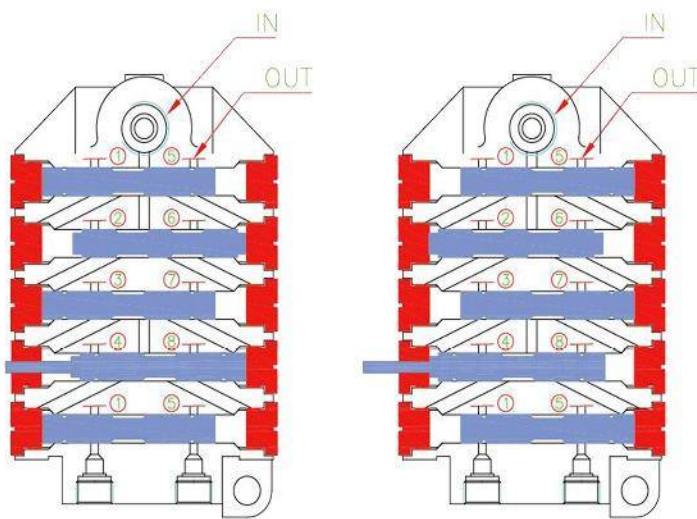
\*\* Output Volume is given in c.c./stroke  
 \*\*\* Maximum Output Pressure is given in  
 \*\*\*\* An odd number of device outputs can be requested, upon special request.  
 \*\*\*\*\* All dimensions are given in millimeters.



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## ISH DU SERIES Operation

As grease passes IN, each piston balances at the position as Diagram 1. The grease continuously pushes the left side of No.3 piston hole and pushes piston 3- 7 rightward to discharge grease in No.6 outlet.

The inclined right-sided holes of the closed No.3 piston hole and No.4 piston hole connect, and the inclined left-sided hole of No.4 piston hole connects the No.3 outlet.

The grease continuously pushes the right side of No.4 piston hole and pushes piston 4-8 leftward to discharge grease in No.3 outlet.

The inclined left-sided holes of the closed No.4 piston hole and No.1 piston hole connect, and the inclined right-sided hole of No.1 pistonhole connects the No.8 outlet.

The grease continuously pushes the left side of No.1 piston hole and pushes piston 1-5 rightward to discharge grease in No.8 outlet.

The inclined left-sided holes of the closed No.1 piston hole and No.2 piston hole connect, and the inclined left-sided hole of No.2 piston hole connects the No.1 outlet.

The grease continuously pushes the right side of No.2-6 piston hole and pushes piston leftward to discharge grease in No.1 outlet.

The first half of the discharging completes, and the final position is as Diagram2. The second half cycle is almost the same.

**Note:** Please **DO NOT** plug any outlet on purpose. The distributor **CAN NOT** operate at this condition.



# SM DU-10T

## GREASE PROGRESSIVE DISTRIBUTORS





## Characteristics & Dimensions

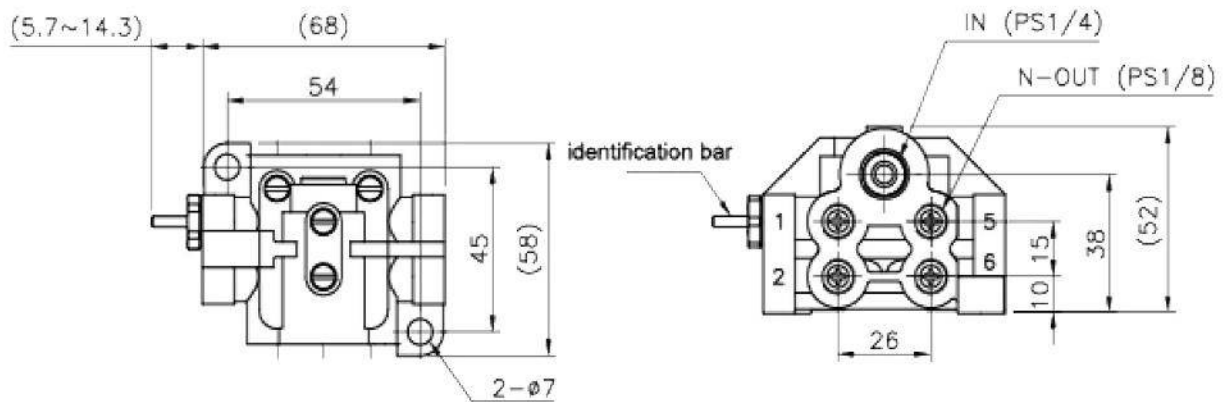
| SERIES | MODEL     | OUTLET<br>NUMBER (N) | OUTPUT<br>VOLUME | MAXIMUM<br>OUTPUT<br>PRESSURE | WEIGHT |
|--------|-----------|----------------------|------------------|-------------------------------|--------|
| SM DU  | SM DU-4T  | 4                    | 0.33             | 15.00<br>(150.00)             | 350.00 |
|        | SM DU-6T  | 6                    |                  |                               | 350.00 |
|        | SM DU-8T  | 8                    |                  |                               | 320.00 |
|        | SM DU-10T | 10                   |                  |                               | 440.00 |
|        | SM-DU12T  | 12                   |                  |                               | 440.00 |

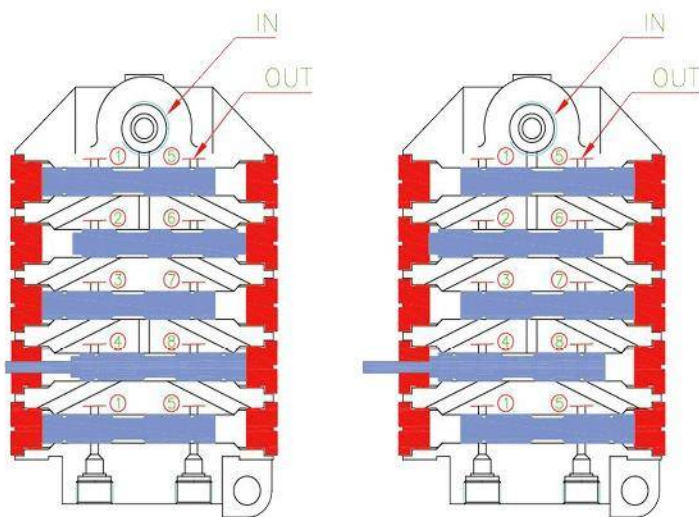
\*\* Output Volume is given in c.c./stroke  
 \*\*\* Maximum Output Pressure is given in  
 \*\*\*\* An odd number of device outputs can be requested, upon special request.  
 \*\*\*\*\* All dimensions are given in millimeters.



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## ISH DU SERIES Operation

As grease passes IN, each piston balances at the position as Diagram 1. The grease continuously pushes the left side of No.3 piston hole and pushes piston 3- 7 rightward to discharge grease in No.6 outlet.

The inclined right-sided holes of the closed No.3 piston hole and No.4 piston hole connect, and the inclined left-sided hole of No.4 piston hole connects the No.3 outlet.

The grease continuously pushes the right side of No.4 piston hole and pushes piston 4-8 leftward to discharge grease in No.3 outlet.

The inclined left-sided holes of the closed No.4 piston hole and No.1 piston hole connect, and the inclined right-sided hole of No.1 pistonhole connects the No.8 outlet.

The grease continuously pushes the left side of No.1 piston hole and pushes piston 1-5 rightward to discharge grease in No.8 outlet.

The inclined left-sided holes of the closed No.1 piston hole and No.2 piston hole connect, and the inclined left-sided hole of No.2 piston hole connects the No.1 outlet.

The grease continuously pushes the right side of No.2-6 piston hole and pushes piston leftward to discharge grease in No.1 outlet.

The first half of the discharging completes, and the final position is as Diagram2. The second half cycle is almost the same.

**Note:** Please **DO NOT** plug any outlet on purpose. The distributor **CAN NOT** operate at this condition.

# SM DU-12T

## GREASE PROGRESSIVE DISTRIBUTORS





## Characteristics & Dimensions

| SERIES | MODEL     | OUTLET<br>NUMBER (N) | OUTPUT<br>VOLUME | MAXIMUM<br>OUTPUT<br>PRESSURE | WEIGHT |
|--------|-----------|----------------------|------------------|-------------------------------|--------|
| SM DU  | SM DU-4T  | 4                    | 0.33             | 15.00<br>(150.00)             | 350.00 |
|        | SM DU-6T  | 6                    |                  |                               | 350.00 |
|        | SM DU-8T  | 8                    |                  |                               | 320.00 |
|        | SM DU-10T | 10                   |                  |                               | 440.00 |
|        | SM-DU12T  | 12                   |                  |                               | 440.00 |

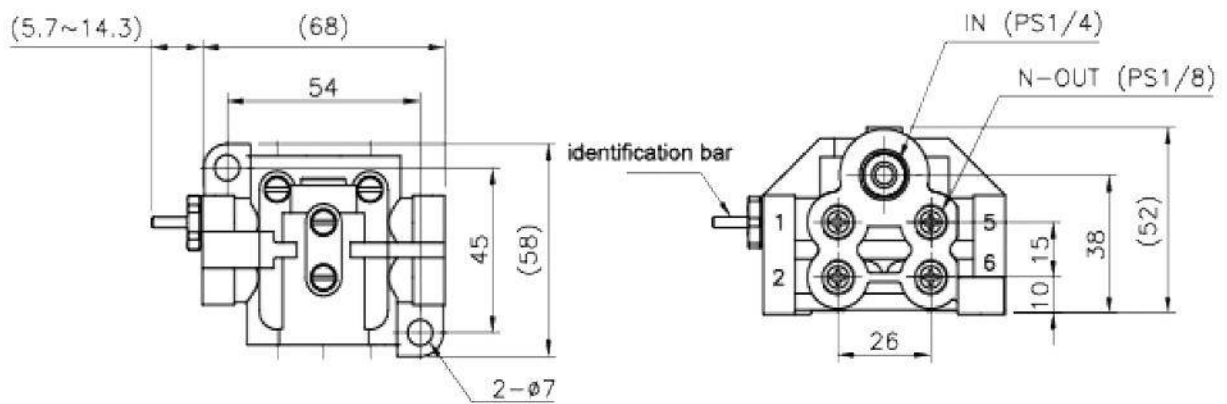
\*\* Output Volume is given in c.c./stroke  
 \*\*\* Maximum Output Pressure is given in  
 \*\*\*\* An odd number of device outputs can be requested, upon special request.  
 \*\*\*\*\* All dimensions are given in millimeters.

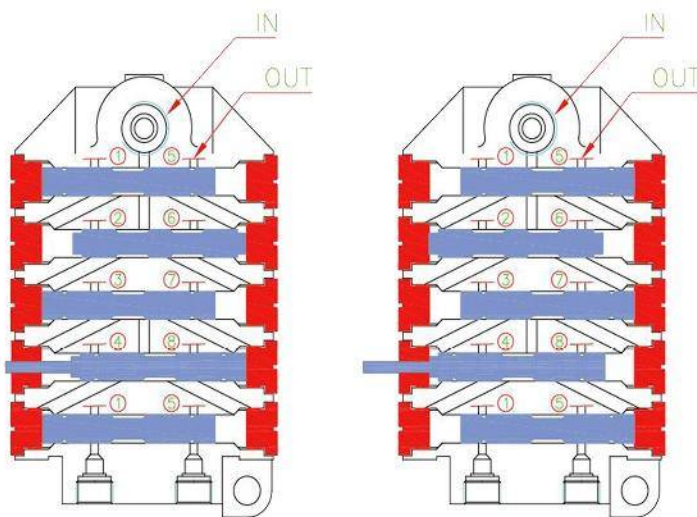




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## ISH DU SERIES Operation

As grease passes IN, each piston balances at the position as Diagram 1. The grease continuously pushes the left side of No.3 piston hole and pushes piston 3- 7 rightward to discharge grease in No.6 outlet.

The inclined right-sided holes of the closed No.3 piston hole and No.4 piston hole connect, and the inclined left-sided hole of No.4 piston hole connects the No.3 outlet.

The grease continuously pushes the right side of No.4 piston hole and pushes piston 4-8 leftward to discharge grease in No.3 outlet.

The inclined left-sided holes of the closed No.4 piston hole and No.1 piston hole connect, and the inclined right-sided hole of No.1 pistonhole connects the No.8 outlet.

The grease continuously pushes the left side of No.1 piston hole and pushes piston 1-5 rightward to discharge grease in No.8 outlet.

The inclined left-sided holes of the closed No.1 piston hole and No.2 piston hole connect, and the inclined left-sided hole of No.2 piston hole connects the No.1 outlet.

The grease continuously pushes the right side of No.2-6 piston hole and pushes piston leftward to discharge grease in No.1 outlet.

The first half of the discharging completes, and the final position is as Diagram2. The second half cycle is almost the same.

**Note:** Please **DO NOT** plug any outlet on purpose. The distributor **CAN NOT** operate at this condition.

# SM DX1 SERIES

## INDEPENDENT OIL INJECTORS FOR PISTON SYSTEMS



# SM DX1-0000-02

## PISTON SYSTEMS

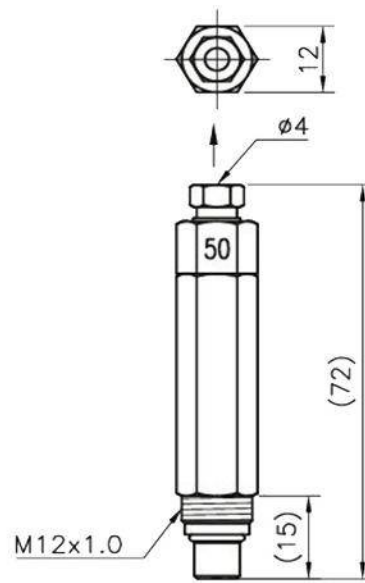
## OIL DISPENSERS





**ISHAW**  
LUBRICATION SYSTEM

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## Characteristics & Dimensions

| MODEL          | NUMBER MARKED | METERED VOLUME |
|----------------|---------------|----------------|
| SM DX1-0000-02 | 2             | 0.02           |
| SM DX1-0000-06 | 6             | 0.06           |
| SM DX1-0000-10 | 10            | 0.10           |
| SM DX1-0000-16 | 16            | 0.16           |
| SM DX1-0000-20 | 20            | 0.20           |
| SM DX1-0000-30 | 30            | 0.30           |
| SM DX1-0000-40 | 40            | 0.40           |
| SM DX1-0000-50 | 50            | 0.50           |

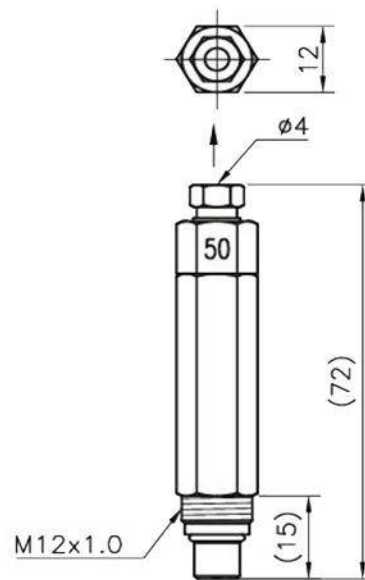
\*\* Metered Volume is given in c.c.  
 \*\*\* There is an option with a Ø4 outlet.  
 \*\*\*\* All dimensions are given in millimeters.

# SM DX1-0000-06

## PISTON SYSTEMS

## OIL DISPENSERS





## Characteristics & Dimensions

| MODEL          | NUMBER MARKED | METERED VOLUME |
|----------------|---------------|----------------|
| SM DX1-0000-02 | 2             | 0.02           |
| SM DX1-0000-06 | 6             | 0.06           |
| SM DX1-0000-10 | 10            | 0.10           |
| SM DX1-0000-16 | 16            | 0.16           |
| SM DX1-0000-20 | 20            | 0.20           |
| SM DX1-0000-30 | 30            | 0.30           |
| SM DX1-0000-40 | 40            | 0.40           |
| SM DX1-0000-50 | 50            | 0.50           |

\*\* Metered Volume is given in c.c.  
 \*\*\* There is an option with a Ø4 outlet.  
 \*\*\*\* All dimensions are given in millimeters.

# SM DX1-0000-10

## PISTON SYSTEMS

## OIL DISPENSERS

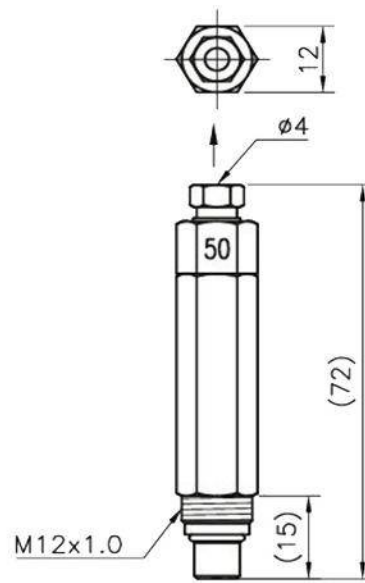






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## Characteristics & Dimensions

| MODEL          | NUMBER MARKED | METERED VOLUME |
|----------------|---------------|----------------|
| SM DX1-0000-02 | 2             | 0.02           |
| SM DX1-0000-06 | 6             | 0.06           |
| SM DX1-0000-10 | 10            | 0.10           |
| SM DX1-0000-16 | 16            | 0.16           |
| SM DX1-0000-20 | 20            | 0.20           |
| SM DX1-0000-30 | 30            | 0.30           |
| SM DX1-0000-40 | 40            | 0.40           |
| SM DX1-0000-50 | 50            | 0.50           |

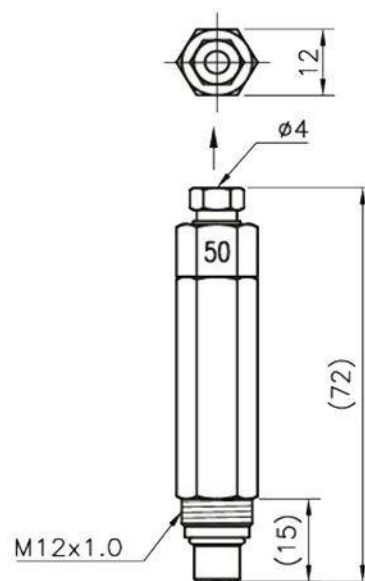
\*\* Metered Volume is given in c.c.  
 \*\*\* There is an option with a Ø4 outlet.  
 \*\*\*\* All dimensions are given in millimeters.

# SM DX1-0000-16

## PISTON SYSTEMS

## OIL DISPENSERS





## Characteristics & Dimensions

| MODEL          | NUMBER MARKED | METERED VOLUME |
|----------------|---------------|----------------|
| SM DX1-0000-02 | 2             | 0.02           |
| SM DX1-0000-06 | 6             | 0.06           |
| SM DX1-0000-10 | 10            | 0.10           |
| SM DX1-0000-16 | 16            | 0.16           |
| SM DX1-0000-20 | 20            | 0.20           |
| SM DX1-0000-30 | 30            | 0.30           |
| SM DX1-0000-40 | 40            | 0.40           |
| SM DX1-0000-50 | 50            | 0.50           |

\*\* Metered Volume is given in c.c.  
 \*\*\* There is an option with a Ø4 outlet.  
 \*\*\*\* All dimensions are given in millimeters.

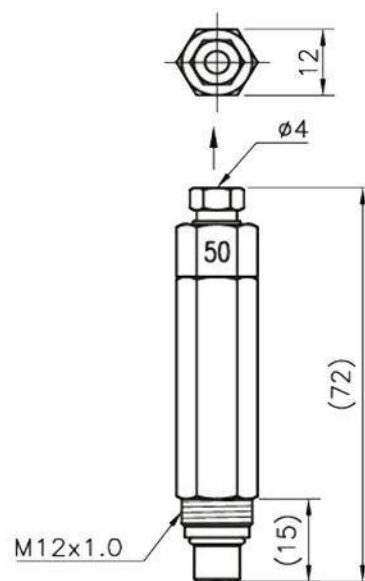


# SM DX1-0000-20

## PISTON SYSTEMS

## OIL DISPENSERS





## Characteristics & Dimensions

| MODEL          | NUMBER MARKED | METERED VOLUME |
|----------------|---------------|----------------|
| SM DX1-0000-02 | 2             | 0.02           |
| SM DX1-0000-06 | 6             | 0.06           |
| SM DX1-0000-10 | 10            | 0.10           |
| SM DX1-0000-16 | 16            | 0.16           |
| SM DX1-0000-20 | 20            | 0.20           |
| SM DX1-0000-30 | 30            | 0.30           |
| SM DX1-0000-40 | 40            | 0.40           |
| SM DX1-0000-50 | 50            | 0.50           |

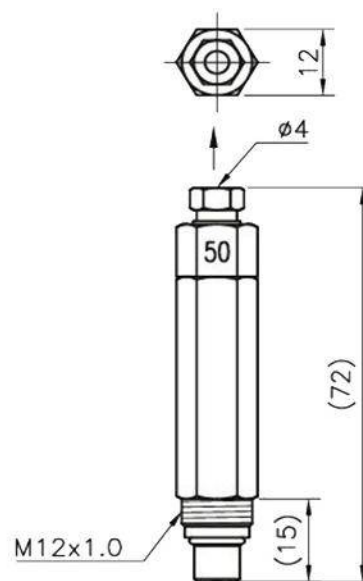
\*\* Metered Volume is given in c.c.  
 \*\*\* There is an option with a Ø4 outlet.  
 \*\*\*\* All dimensions are given in millimeters.

# SM DX1-0000-30

## PISTON SYSTEMS

## OIL DISPENSERS







## Characteristics & Dimensions

| MODEL          | NUMBER MARKED | METERED VOLUME |
|----------------|---------------|----------------|
| SM DX1-0000-02 | 2             | 0.02           |
| SM DX1-0000-06 | 6             | 0.06           |
| SM DX1-0000-10 | 10            | 0.10           |
| SM DX1-0000-16 | 16            | 0.16           |
| SM DX1-0000-20 | 20            | 0.20           |
| SM DX1-0000-30 | 30            | 0.30           |
| SM DX1-0000-40 | 40            | 0.40           |
| SM DX1-0000-50 | 50            | 0.50           |

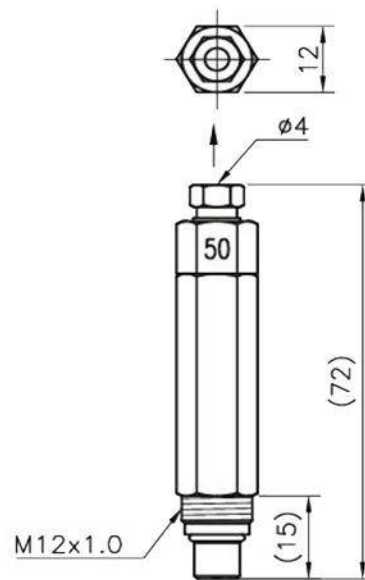
\*\* Metered Volume is given in c.c.  
 \*\*\* There is an option with a Ø4 outlet.  
 \*\*\*\* All dimensions are given in millimeters.

# SM DX1-0000-40

## PISTON SYSTEMS

## OIL DISPENSERS





## Characteristics & Dimensions

| MODEL          | NUMBER MARKED | METERED VOLUME |
|----------------|---------------|----------------|
| SM DX1-0000-02 | 2             | 0.02           |
| SM DX1-0000-06 | 6             | 0.06           |
| SM DX1-0000-10 | 10            | 0.10           |
| SM DX1-0000-16 | 16            | 0.16           |
| SM DX1-0000-20 | 20            | 0.20           |
| SM DX1-0000-30 | 30            | 0.30           |
| SM DX1-0000-40 | 40            | 0.40           |
| SM DX1-0000-50 | 50            | 0.50           |

\*\* Metered Volume is given in c.c.  
 \*\*\* There is an option with a Ø4 outlet.  
 \*\*\*\* All dimensions are given in millimeters.

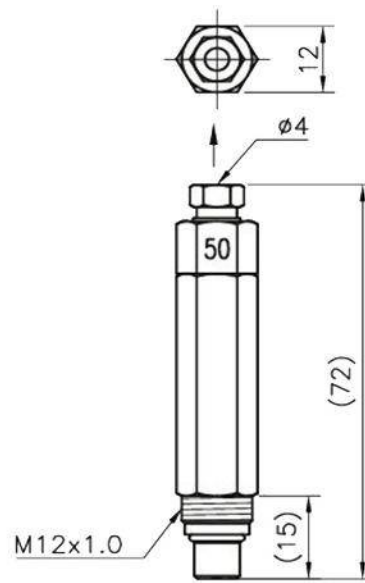
# SM DX1-0000-50

## PISTON SYSTEMS

## OIL DISPENSERS







## Characteristics & Dimensions

| MODEL          | NUMBER MARKED | METERED VOLUME |
|----------------|---------------|----------------|
| SM DX1-0000-02 | 2             | 0.02           |
| SM DX1-0000-06 | 6             | 0.06           |
| SM DX1-0000-10 | 10            | 0.10           |
| SM DX1-0000-16 | 16            | 0.16           |
| SM DX1-0000-20 | 20            | 0.20           |
| SM DX1-0000-30 | 30            | 0.30           |
| SM DX1-0000-40 | 40            | 0.40           |
| SM DX1-0000-50 | 50            | 0.50           |

\*\* Metered Volume is given in c.c.  
 \*\*\* There is an option with a Ø4 outlet.  
 \*\*\*\* All dimensions are given in millimeters.

# SERIE SM DXV

## OIL DISTRIBUTORS FOR PISTON SYSTEMS



# SM DXV-0100

## PISTON SYSTEMS

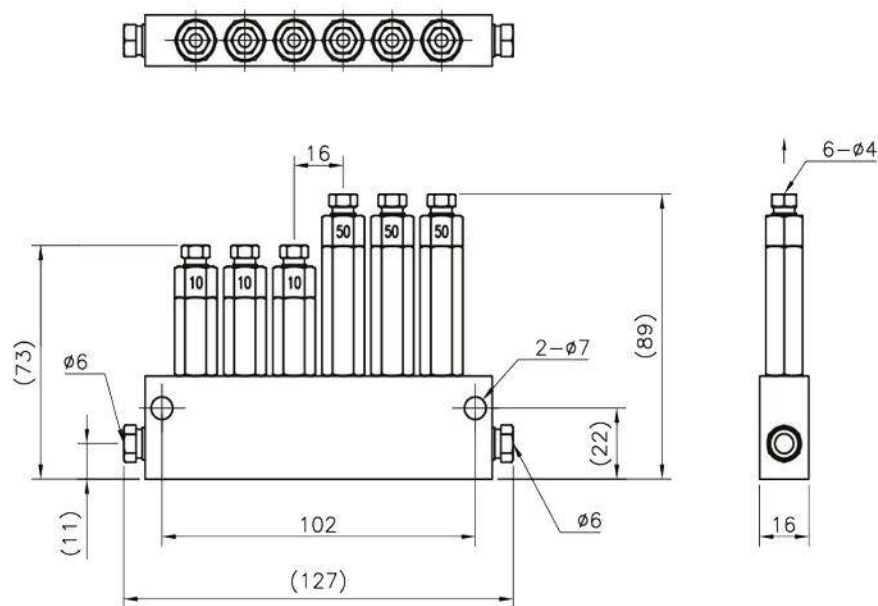
### OIL DISTRIBUTORS





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## Characteristics & Dimension

| MODEL       | OUTPUT<br>NUMBER | A      | B      | METERED<br>VOLUME                                                                                                                                                                            |
|-------------|------------------|--------|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SM DXV-0100 | 1                | 32.00  | 22.00  | 0.02 cm <sup>3</sup><br>0.06 cm <sup>3</sup><br>0.10 cm <sup>3</sup><br>0.16 cm <sup>3</sup><br>0.20 cm <sup>3</sup><br>0.30 cm <sup>3</sup><br>0.40 cm <sup>3</sup><br>0.50 cm <sup>3</sup> |
| SM DXV-0200 | 2                | 47.00  | 37.00  |                                                                                                                                                                                              |
| SM DXV-0300 | 3                | 62.00  | 52.00  |                                                                                                                                                                                              |
| SM DXV-0400 | 4                | 77.00  | 67.00  |                                                                                                                                                                                              |
| SM DXV-0500 | 5                | 92.00  | 82.00  |                                                                                                                                                                                              |
| SM DXV-0600 | 6                | 107.00 | 97.00  |                                                                                                                                                                                              |
| SM DXV-0700 | 7                | 122.00 | 112.00 |                                                                                                                                                                                              |
| SM DXV-0800 | 8                | 137.00 | 127.00 |                                                                                                                                                                                              |
| SM DXV-0900 | 9                | 152.00 | 142.00 |                                                                                                                                                                                              |

\*\*\* Metered Volume is given in c.c.  
 \*\*\* All dimensions are given in millimeters.

# SM DXV-0200

## PISTON SYSTEMS

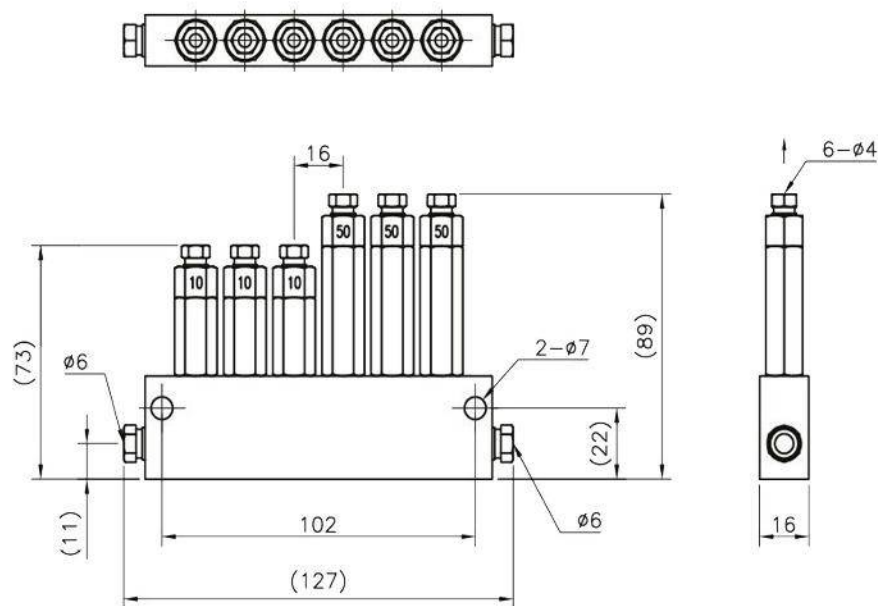
### OIL DISTRIBUTORS





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## Characteristics & Dimension

| MODEL       | OUTPUT<br>NUMBER | A      | B      | METERED<br>VOLUME                                                                                                                                                                            |
|-------------|------------------|--------|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SM DXV-0100 | 1                | 32.00  | 22.00  | 0.02 cm <sup>3</sup><br>0.06 cm <sup>3</sup><br>0.10 cm <sup>3</sup><br>0.16 cm <sup>3</sup><br>0.20 cm <sup>3</sup><br>0.30 cm <sup>3</sup><br>0.40 cm <sup>3</sup><br>0.50 cm <sup>3</sup> |
| SM DXV-0200 | 2                | 47.00  | 37.00  |                                                                                                                                                                                              |
| SM DXV-0300 | 3                | 62.00  | 52.00  |                                                                                                                                                                                              |
| SM DXV-0400 | 4                | 77.00  | 67.00  |                                                                                                                                                                                              |
| SM DXV-0500 | 5                | 92.00  | 82.00  |                                                                                                                                                                                              |
| SM DXV-0600 | 6                | 107.00 | 97.00  |                                                                                                                                                                                              |
| SM DXV-0700 | 7                | 122.00 | 112.00 |                                                                                                                                                                                              |
| SM DXV-0800 | 8                | 137.00 | 127.00 |                                                                                                                                                                                              |
| SM DXV-0900 | 9                | 152.00 | 142.00 |                                                                                                                                                                                              |

\*\*\* Metered Volume is given in c.c.  
 \*\*\* All dimensions are given in millimeters.

# SM DXV-0300

## PISTON SYSTEMS

## OIL DISTRIBUTORS

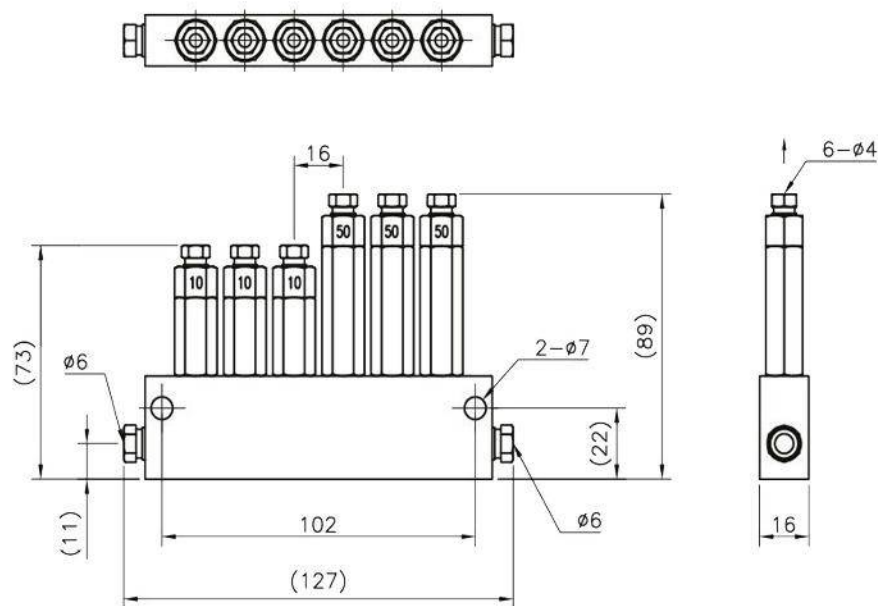






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## Characteristics & Dimension

| MODEL       | OUTPUT<br>NUMBER | A      | B      | METERED<br>VOLUME                                                                                                                                                                            |
|-------------|------------------|--------|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SM DXV-0100 | 1                | 32.00  | 22.00  | 0.02 cm <sup>3</sup><br>0.06 cm <sup>3</sup><br>0.10 cm <sup>3</sup><br>0.16 cm <sup>3</sup><br>0.20 cm <sup>3</sup><br>0.30 cm <sup>3</sup><br>0.40 cm <sup>3</sup><br>0.50 cm <sup>3</sup> |
| SM DXV-0200 | 2                | 47.00  | 37.00  |                                                                                                                                                                                              |
| SM DXV-0300 | 3                | 62.00  | 52.00  |                                                                                                                                                                                              |
| SM DXV-0400 | 4                | 77.00  | 67.00  |                                                                                                                                                                                              |
| SM DXV-0500 | 5                | 92.00  | 82.00  |                                                                                                                                                                                              |
| SM DXV-0600 | 6                | 107.00 | 97.00  |                                                                                                                                                                                              |
| SM DXV-0700 | 7                | 122.00 | 112.00 |                                                                                                                                                                                              |
| SM DXV-0800 | 8                | 137.00 | 127.00 |                                                                                                                                                                                              |
| SM DXV-0900 | 9                | 152.00 | 142.00 |                                                                                                                                                                                              |

\*\*\* Metered Volume is given in c.c.  
 \*\*\* All dimensions are given in millimeters.

# SM DXV-0400

## PISTON SYSTEMS

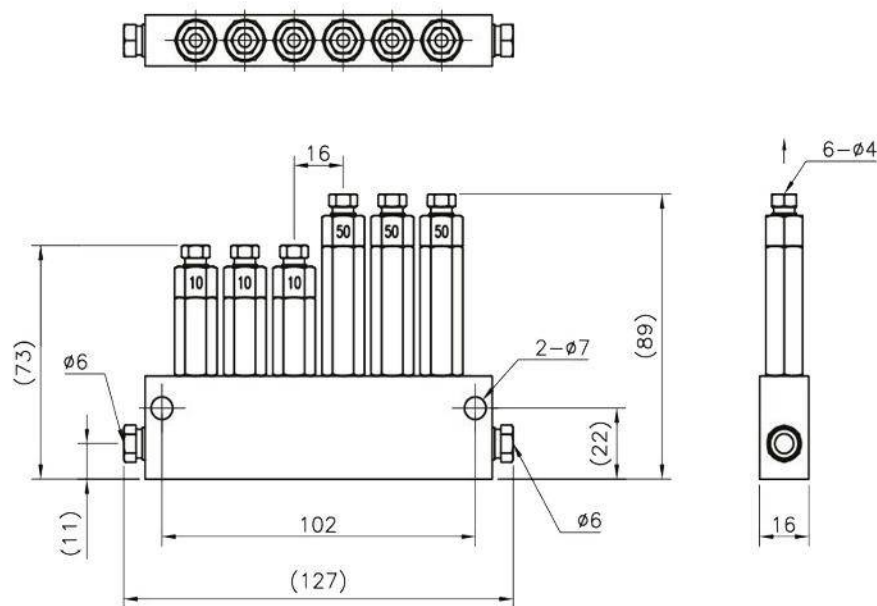
### OIL DISTRIBUTORS





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ISHAN PRECISION INDUSTRY, CO., LTD



## Characteristics & Dimension

| MODEL       | OUTPUT<br>NUMBER | A      | B      | METERED<br>VOLUME                                                                                                                                                                            |
|-------------|------------------|--------|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SM DXV-0100 | 1                | 32.00  | 22.00  | 0.02 cm <sup>3</sup><br>0.06 cm <sup>3</sup><br>0.10 cm <sup>3</sup><br>0.16 cm <sup>3</sup><br>0.20 cm <sup>3</sup><br>0.30 cm <sup>3</sup><br>0.40 cm <sup>3</sup><br>0.50 cm <sup>3</sup> |
| SM DXV-0200 | 2                | 47.00  | 37.00  |                                                                                                                                                                                              |
| SM DXV-0300 | 3                | 62.00  | 52.00  |                                                                                                                                                                                              |
| SM DXV-0400 | 4                | 77.00  | 67.00  |                                                                                                                                                                                              |
| SM DXV-0500 | 5                | 92.00  | 82.00  |                                                                                                                                                                                              |
| SM DXV-0600 | 6                | 107.00 | 97.00  |                                                                                                                                                                                              |
| SM DXV-0700 | 7                | 122.00 | 112.00 |                                                                                                                                                                                              |
| SM DXV-0800 | 8                | 137.00 | 127.00 |                                                                                                                                                                                              |
| SM DXV-0900 | 9                | 152.00 | 142.00 |                                                                                                                                                                                              |

\*\*\* Metered Volume is given in c.c.  
 \*\*\* All dimensions are given in millimeters.



# SM DXV-0500

## PISTON SYSTEMS

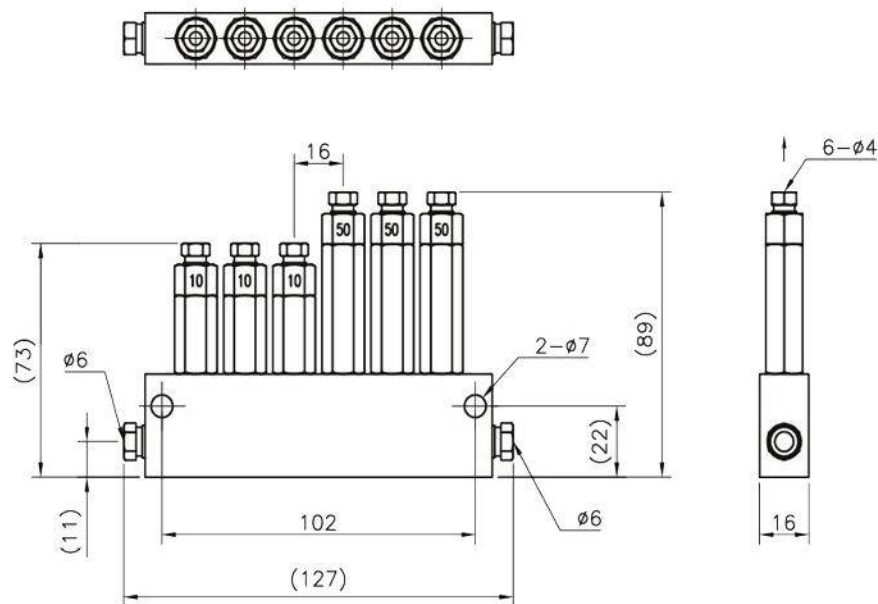
## OIL DISTRIBUTORS





**ISHAW**  
LUBRICATION SYSTEM

伊山精密工業股份有限公司  
ISHAN PRECISION INDUSTRY, CO., LTD



## Characteristics & Dimension

| MODEL       | OUTPUT<br>NUMBER | A      | B      | METERED<br>VOLUME                                                                                                                                                                            |
|-------------|------------------|--------|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SM DXV-0100 | 1                | 32.00  | 22.00  | 0.02 cm <sup>3</sup><br>0.06 cm <sup>3</sup><br>0.10 cm <sup>3</sup><br>0.16 cm <sup>3</sup><br>0.20 cm <sup>3</sup><br>0.30 cm <sup>3</sup><br>0.40 cm <sup>3</sup><br>0.50 cm <sup>3</sup> |
| SM DXV-0200 | 2                | 47.00  | 37.00  |                                                                                                                                                                                              |
| SM DXV-0300 | 3                | 62.00  | 52.00  |                                                                                                                                                                                              |
| SM DXV-0400 | 4                | 77.00  | 67.00  |                                                                                                                                                                                              |
| SM DXV-0500 | 5                | 92.00  | 82.00  |                                                                                                                                                                                              |
| SM DXV-0600 | 6                | 107.00 | 97.00  |                                                                                                                                                                                              |
| SM DXV-0700 | 7                | 122.00 | 112.00 |                                                                                                                                                                                              |
| SM DXV-0800 | 8                | 137.00 | 127.00 |                                                                                                                                                                                              |
| SM DXV-0900 | 9                | 152.00 | 142.00 |                                                                                                                                                                                              |

\*\*\* Metered Volume is given in c.c.  
 \*\*\* All dimensions are given in millimeters.

# SM DXV-0600

## PISTON SYSTEMS

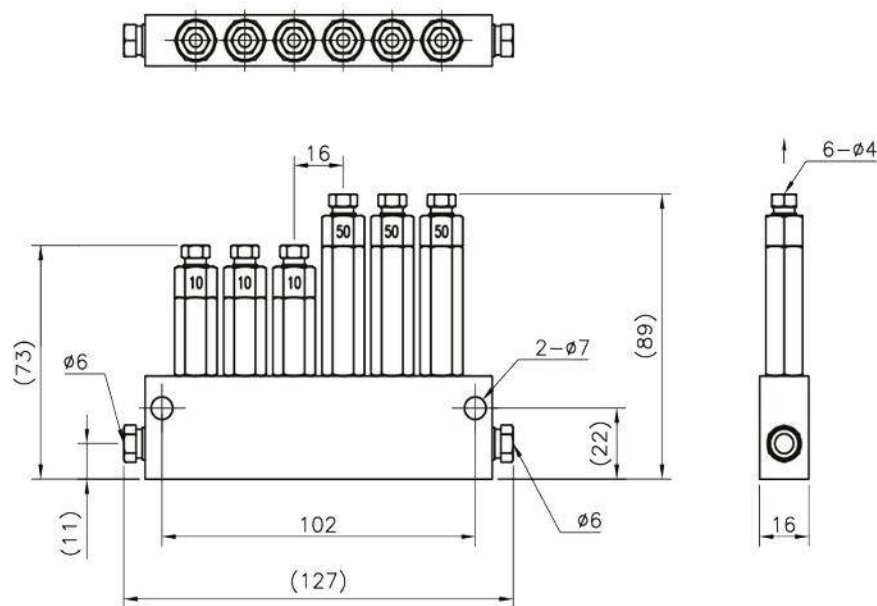
### OIL DISTRIBUTORS





**ISHAW**  
LUBRICATION SYSTEM

伊山精密工業股份有限公司  
ISHAN PRECISION INDUSTRY, CO., LTD





## Characteristics & Dimension

| MODEL       | OUTPUT<br>NUMBER | A      | B      | METERED<br>VOLUME                                                                                                                                                                            |
|-------------|------------------|--------|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SM DXV-0100 | 1                | 32.00  | 22.00  | 0.02 cm <sup>3</sup><br>0.06 cm <sup>3</sup><br>0.10 cm <sup>3</sup><br>0.16 cm <sup>3</sup><br>0.20 cm <sup>3</sup><br>0.30 cm <sup>3</sup><br>0.40 cm <sup>3</sup><br>0.50 cm <sup>3</sup> |
| SM DXV-0200 | 2                | 47.00  | 37.00  |                                                                                                                                                                                              |
| SM DXV-0300 | 3                | 62.00  | 52.00  |                                                                                                                                                                                              |
| SM DXV-0400 | 4                | 77.00  | 67.00  |                                                                                                                                                                                              |
| SM DXV-0500 | 5                | 92.00  | 82.00  |                                                                                                                                                                                              |
| SM DXV-0600 | 6                | 107.00 | 97.00  |                                                                                                                                                                                              |
| SM DXV-0700 | 7                | 122.00 | 112.00 |                                                                                                                                                                                              |
| SM DXV-0800 | 8                | 137.00 | 127.00 |                                                                                                                                                                                              |
| SM DXV-0900 | 9                | 152.00 | 142.00 |                                                                                                                                                                                              |

\*\*\* Metered Volume is given in c.c.  
 \*\*\* All dimensions are given in millimeters.

# SM DXV-0700

## PISTON SYSTEMS

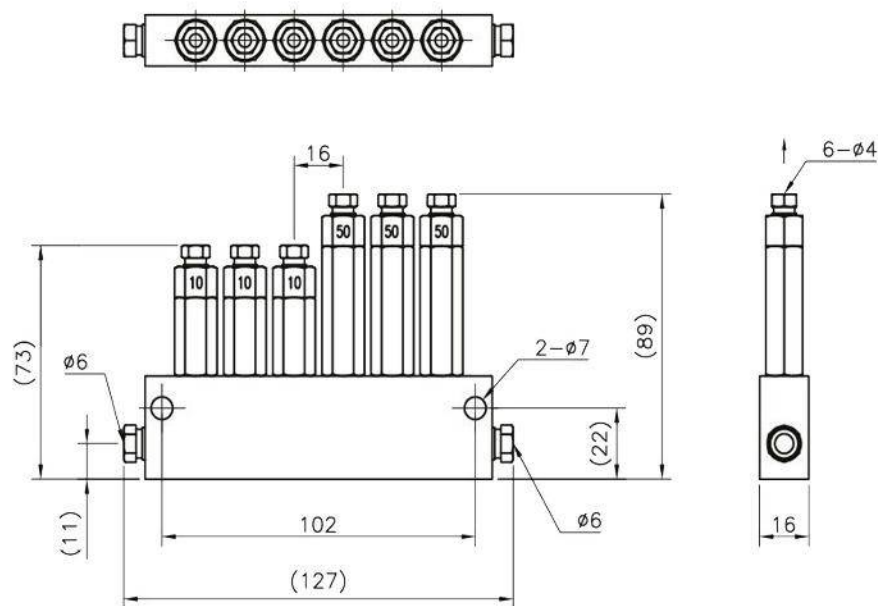
### OIL DISTRIBUTORS





**ISHAW**  
LUBRICATION SYSTEM

伊山精密工業股份有限公司  
ISHAN PRECISION INDUSTRY, CO., LTD



## Characteristics & Dimension

| MODEL       | OUTPUT<br>NUMBER | A      | B      | METERED<br>VOLUME                                                                                                                                                                            |
|-------------|------------------|--------|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SM DXV-0100 | 1                | 32.00  | 22.00  | 0.02 cm <sup>3</sup><br>0.06 cm <sup>3</sup><br>0.10 cm <sup>3</sup><br>0.16 cm <sup>3</sup><br>0.20 cm <sup>3</sup><br>0.30 cm <sup>3</sup><br>0.40 cm <sup>3</sup><br>0.50 cm <sup>3</sup> |
| SM DXV-0200 | 2                | 47.00  | 37.00  |                                                                                                                                                                                              |
| SM DXV-0300 | 3                | 62.00  | 52.00  |                                                                                                                                                                                              |
| SM DXV-0400 | 4                | 77.00  | 67.00  |                                                                                                                                                                                              |
| SM DXV-0500 | 5                | 92.00  | 82.00  |                                                                                                                                                                                              |
| SM DXV-0600 | 6                | 107.00 | 97.00  |                                                                                                                                                                                              |
| SM DXV-0700 | 7                | 122.00 | 112.00 |                                                                                                                                                                                              |
| SM DXV-0800 | 8                | 137.00 | 127.00 |                                                                                                                                                                                              |
| SM DXV-0900 | 9                | 152.00 | 142.00 |                                                                                                                                                                                              |

\*\*\* Metered Volume is given in c.c.  
 \*\*\* All dimensions are given in millimeters.

# SM DXV-0800

## PISTON SYSTEMS

### OIL DISTRIBUTORS

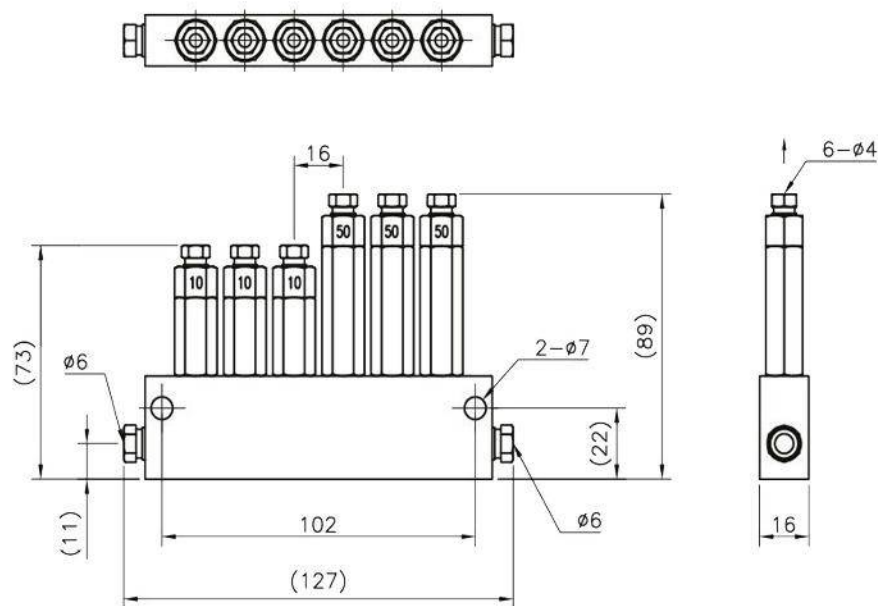






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## Characteristics & Dimension

| MODEL       | OUTPUT<br>NUMBER | A      | B      | METERED<br>VOLUME                                                                                                                                                                            |
|-------------|------------------|--------|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SM DXV-0100 | 1                | 32.00  | 22.00  | 0.02 cm <sup>3</sup><br>0.06 cm <sup>3</sup><br>0.10 cm <sup>3</sup><br>0.16 cm <sup>3</sup><br>0.20 cm <sup>3</sup><br>0.30 cm <sup>3</sup><br>0.40 cm <sup>3</sup><br>0.50 cm <sup>3</sup> |
| SM DXV-0200 | 2                | 47.00  | 37.00  |                                                                                                                                                                                              |
| SM DXV-0300 | 3                | 62.00  | 52.00  |                                                                                                                                                                                              |
| SM DXV-0400 | 4                | 77.00  | 67.00  |                                                                                                                                                                                              |
| SM DXV-0500 | 5                | 92.00  | 82.00  |                                                                                                                                                                                              |
| SM DXV-0600 | 6                | 107.00 | 97.00  |                                                                                                                                                                                              |
| SM DXV-0700 | 7                | 122.00 | 112.00 |                                                                                                                                                                                              |
| SM DXV-0800 | 8                | 137.00 | 127.00 |                                                                                                                                                                                              |
| SM DXV-0900 | 9                | 152.00 | 142.00 |                                                                                                                                                                                              |

\*\*\* Metered Volume is given in c.c.  
 \*\*\* All dimensions are given in millimeters.

# SM DXV-0900

## PISTON SYSTEMS

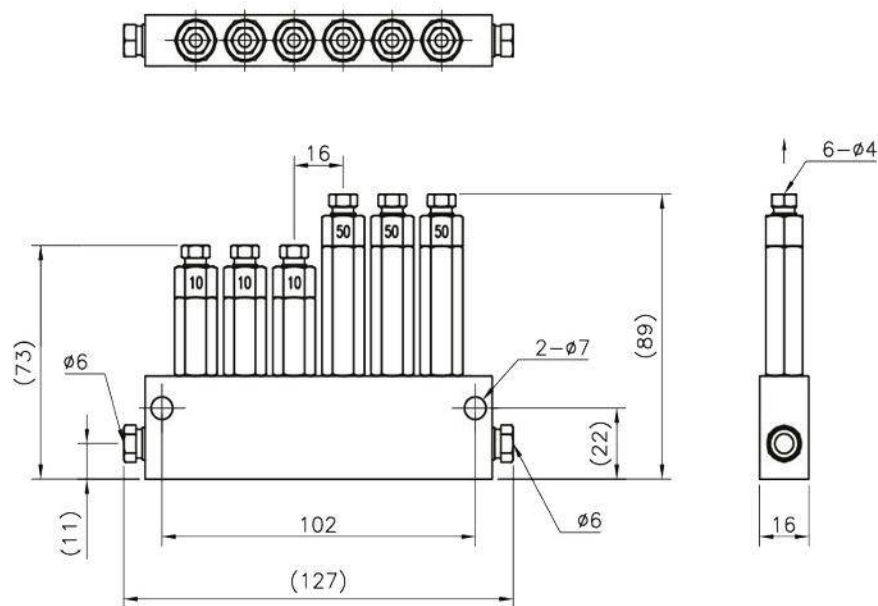
### OIL DISTRIBUTORS





**ISHAW**  
LUBRICATION SYSTEM

伊山精密工業股份有限公司  
ISHAN PRECISION INDUSTRY, CO., LTD



## Characteristics & Dimension

| MODEL       | OUTPUT<br>NUMBER | A      | B      | METERED<br>VOLUME                                                                                                                                                                            |
|-------------|------------------|--------|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SM DXV-0100 | 1                | 32.00  | 22.00  | 0.02 cm <sup>3</sup><br>0.06 cm <sup>3</sup><br>0.10 cm <sup>3</sup><br>0.16 cm <sup>3</sup><br>0.20 cm <sup>3</sup><br>0.30 cm <sup>3</sup><br>0.40 cm <sup>3</sup><br>0.50 cm <sup>3</sup> |
| SM DXV-0200 | 2                | 47.00  | 37.00  |                                                                                                                                                                                              |
| SM DXV-0300 | 3                | 62.00  | 52.00  |                                                                                                                                                                                              |
| SM DXV-0400 | 4                | 77.00  | 67.00  |                                                                                                                                                                                              |
| SM DXV-0500 | 5                | 92.00  | 82.00  |                                                                                                                                                                                              |
| SM DXV-0600 | 6                | 107.00 | 97.00  |                                                                                                                                                                                              |
| SM DXV-0700 | 7                | 122.00 | 112.00 |                                                                                                                                                                                              |
| SM DXV-0800 | 8                | 137.00 | 127.00 |                                                                                                                                                                                              |
| SM DXV-0900 | 9                | 152.00 | 142.00 |                                                                                                                                                                                              |

\*\*\* Metered Volume is given in c.c.  
 \*\*\* All dimensions are given in millimeters.



# SERIE SM SD

AIR + OIL

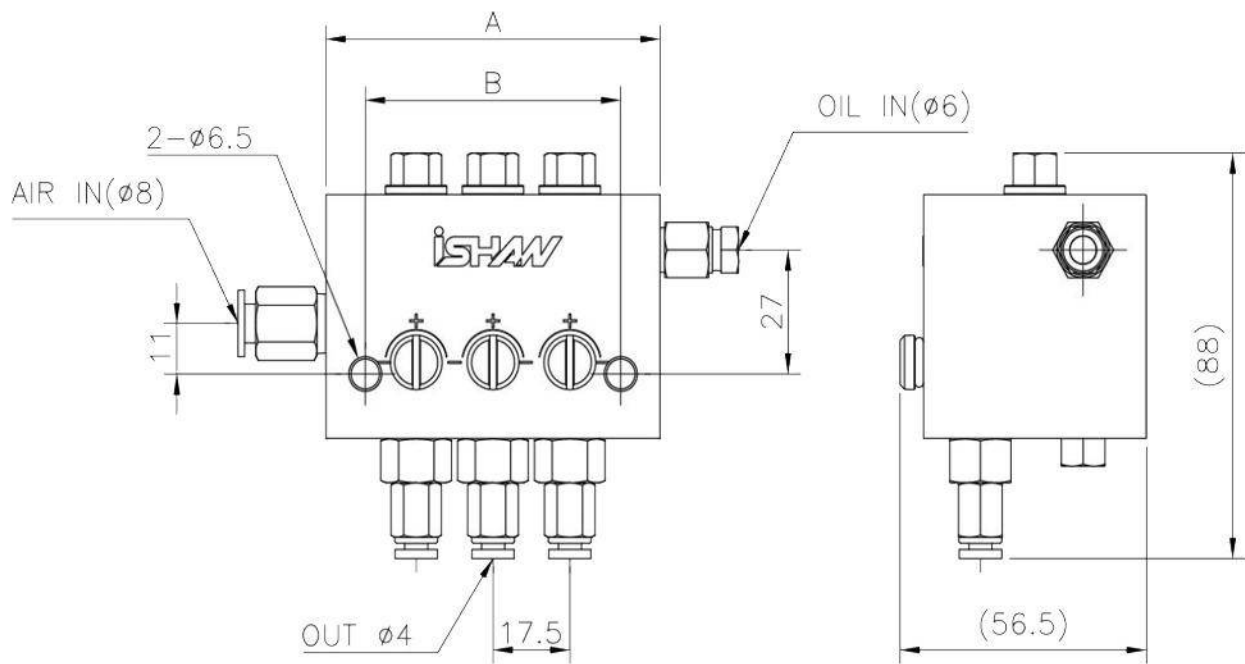
## MIXER SPRAY



# SM SD-1

## SPRAY MIST AIR+OIL MIXER





# Characteristics & Dimensions

| MODEL   | OUTLET No. | A      | B     | METERED VOLUME               |
|---------|------------|--------|-------|------------------------------|
| SM SD-1 | 1          | 41.20  | 23.20 | 0.10<br>0.16<br>0.20<br>0.30 |
| SM SD-2 | 2          | 58.70  | 40.70 |                              |
| SM SD-3 | 3          | 76.20  | 58.20 |                              |
| SM SD-4 | 4          | 93.70  | 75.70 |                              |
| SM SD-5 | 5          | 111.20 | 93.20 |                              |

\*\*\* All dimensions are given in millimeters.

# SM SD-2

## SPRAY MIST AIR+OIL MIXER

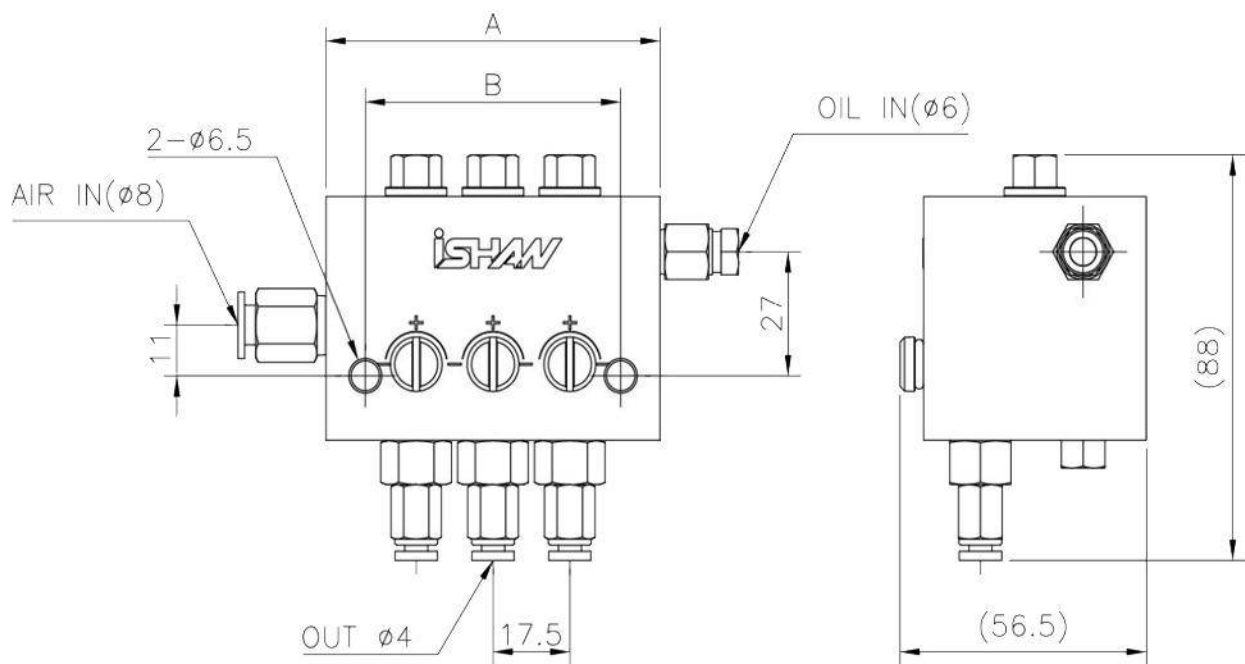






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伊山精密工業股份有限公司  
ISHAN PRECISION INDUSTRY, CO., LTD



# Characteristics & Dimensions

| MODEL   | OUTLET No. | A      | B     | METERED VOLUME               |
|---------|------------|--------|-------|------------------------------|
| SM SD-1 | 1          | 41.20  | 23.20 | 0.10<br>0.16<br>0.20<br>0.30 |
| SM SD-2 | 2          | 58.70  | 40.70 |                              |
| SM SD-3 | 3          | 76.20  | 58.20 |                              |
| SM SD-4 | 4          | 93.70  | 75.70 |                              |
| SM SD-5 | 5          | 111.20 | 93.20 |                              |

\*\*\* All dimensions are given in millimeters.

# SM SD-3

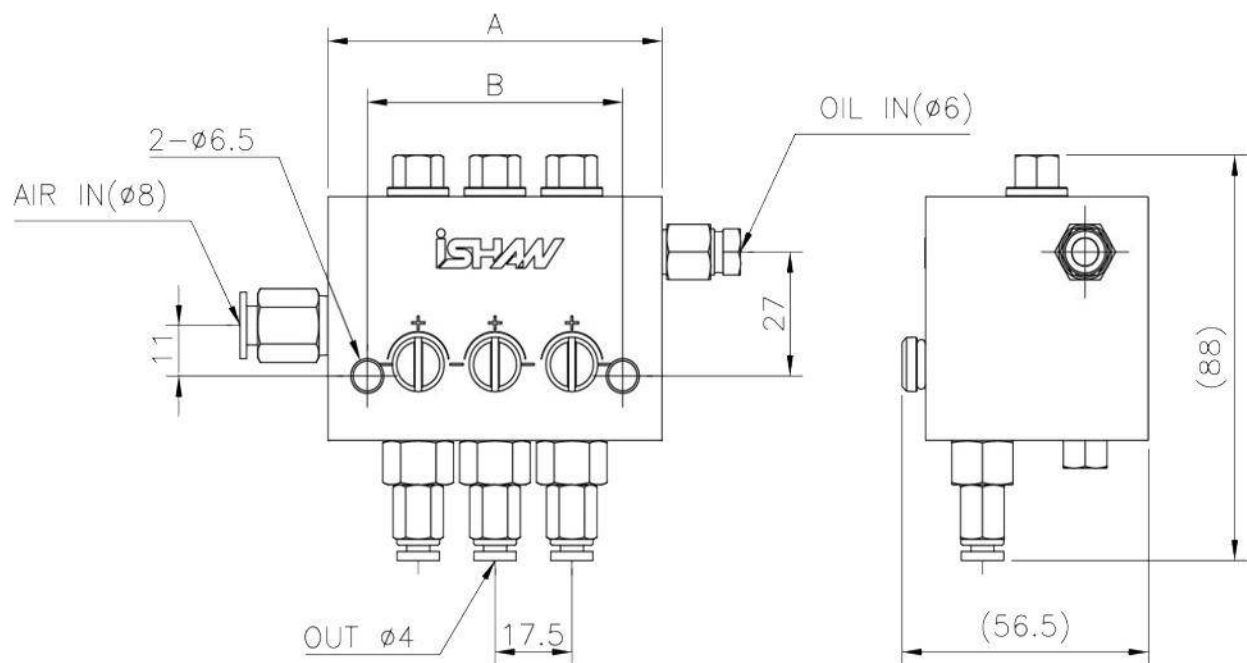
## SPRAY MIST AIR+OIL MIXER





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# Characteristics & Dimensions

| MODEL   | OUTLET No. | A      | B     | METERED VOLUME               |
|---------|------------|--------|-------|------------------------------|
| SM SD-1 | 1          | 41.20  | 23.20 | 0.10<br>0.16<br>0.20<br>0.30 |
| SM SD-2 | 2          | 58.70  | 40.70 |                              |
| SM SD-3 | 3          | 76.20  | 58.20 |                              |
| SM SD-4 | 4          | 93.70  | 75.70 |                              |
| SM SD-5 | 5          | 111.20 | 93.20 |                              |

\*\*\* All dimensions are given in millimeters.



# SM SD-4

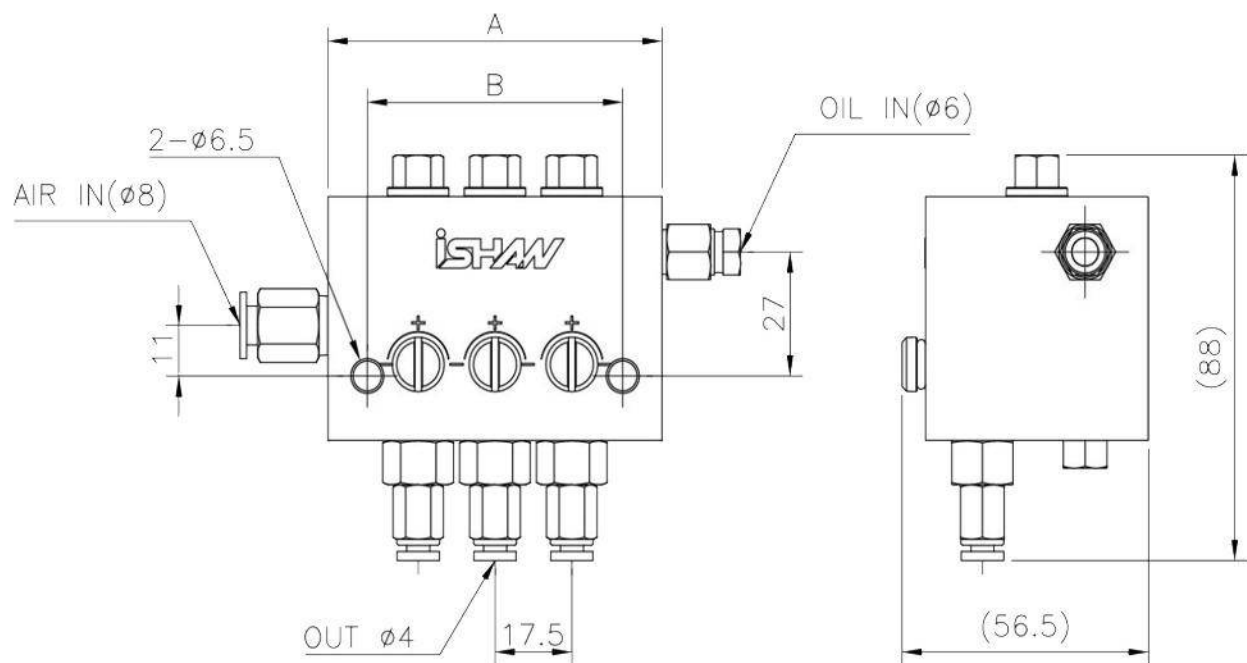
## SPRAY MIST AIR+OIL MIXER





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ISHAN PRECISION INDUSTRY, CO., LTD



# Characteristics & Dimensions

| MODEL   | OUTLET No. | A      | B     | METERED VOLUME               |
|---------|------------|--------|-------|------------------------------|
| SM SD-1 | 1          | 41.20  | 23.20 | 0.10<br>0.16<br>0.20<br>0.30 |
| SM SD-2 | 2          | 58.70  | 40.70 |                              |
| SM SD-3 | 3          | 76.20  | 58.20 |                              |
| SM SD-4 | 4          | 93.70  | 75.70 |                              |
| SM SD-5 | 5          | 111.20 | 93.20 |                              |

\*\*\* All dimensions are given in millimeters.

# SM SD-5

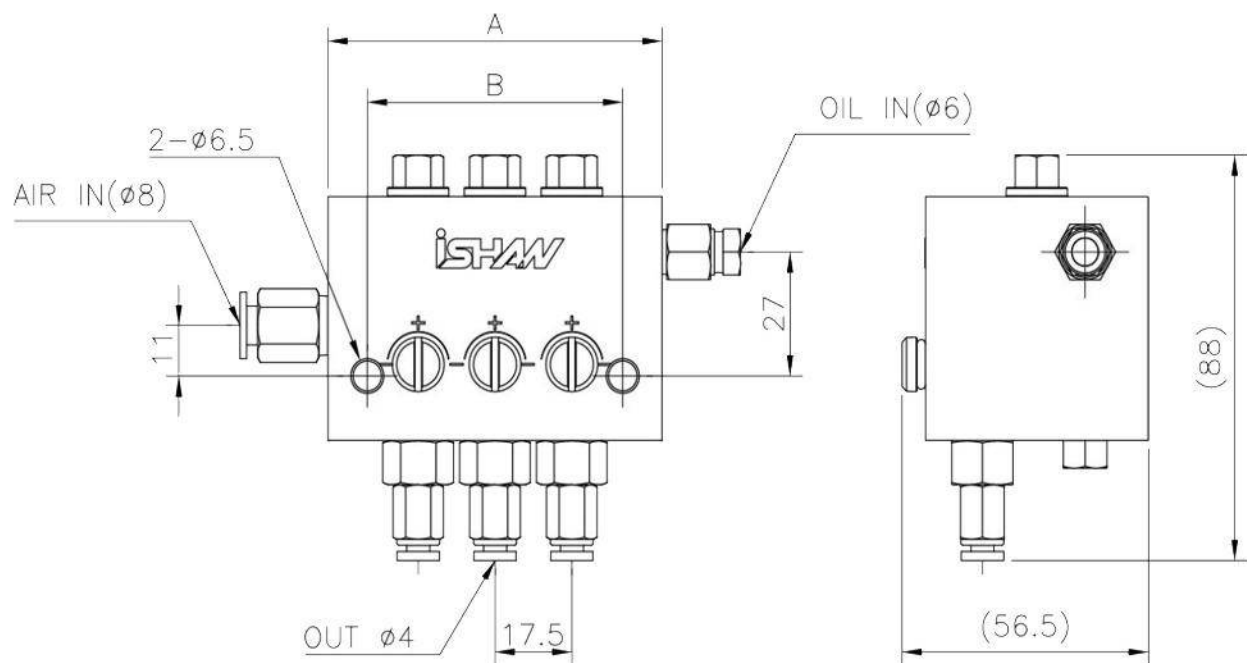
## SPRAY MIST AIR+OIL MIXER





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ISHAN PRECISION INDUSTRY, CO., LTD



# Characteristics & Dimensions

| MODEL   | OUTLET No. | A      | B     | METERED VOLUME               |
|---------|------------|--------|-------|------------------------------|
| SM SD-1 | 1          | 41.20  | 23.20 | 0.10<br>0.16<br>0.20<br>0.30 |
| SM SD-2 | 2          | 58.70  | 40.70 |                              |
| SM SD-3 | 3          | 76.20  | 58.20 |                              |
| SM SD-4 | 4          | 93.70  | 75.70 |                              |
| SM SD-5 | 5          | 111.20 | 93.20 |                              |

\*\*\* All dimensions are given in millimeters.



# SM SSG-D1 SERIES

## PROGRESSIVE GREASE LUBRICATION SYSTEM

(WITH RESIN CUP/WITHOUT SPRING)



# ISH SSG-D1

## GREASE LUBRICATING PROGRESSIVE SYSTEM

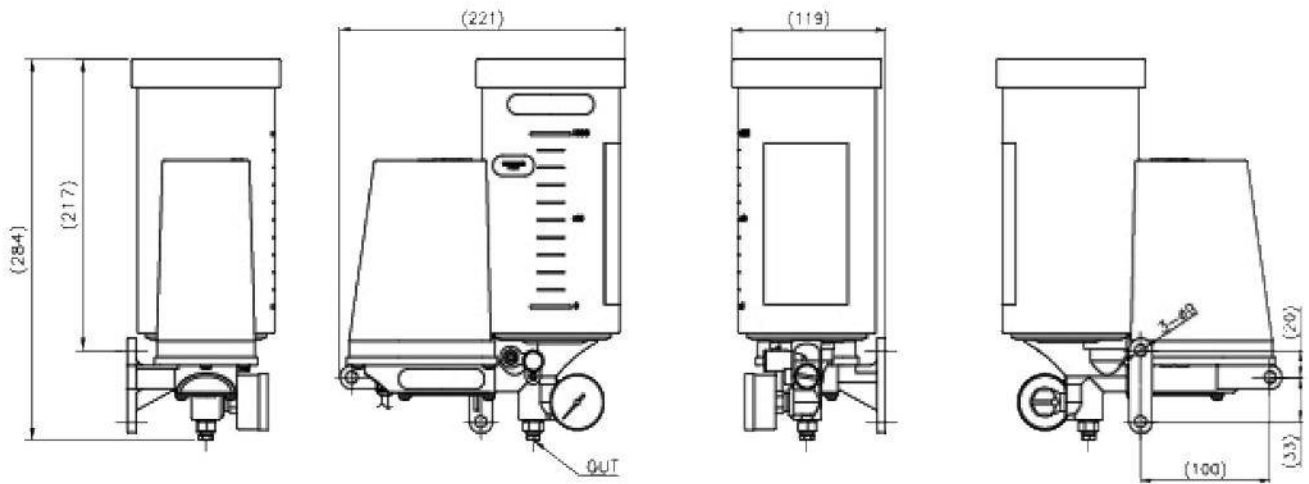
(WITH RESSIN CUP  
WITHOUT SPRING)





**ISHAW**  
LUBRICATION SYSTEM

伊山精密工業股份有限公司  
ISHAN PRECISION INDUSTRY, CO., LTD



## Characteristics & Dimensions

| MODEL                                                    | SSG-D1<br>(RESSIN CUP WITHOUT SPRING) |
|----------------------------------------------------------|---------------------------------------|
| Distribuidor                                             | Serie DU                              |
| Voltage (Single Phase)                                   | 24V DC                                |
| Consumption Power (watts)                                | 93.00                                 |
| Output Power (watts)                                     | 45.00                                 |
| Maximum Current Consumption (Amp)                        | 4.00                                  |
| Output Bore                                              | Ø6                                    |
| Maximum Discharge Pressure [ Mpa(Kgf/cm <sup>2</sup> ) ] | 15.00 (150.00)                        |
| Discharge Volume (cm <sup>3</sup> /min)                  | Superior a 20.00                      |
| Floating Switch                                          | Opcional                              |
| Pressure Switch                                          | No Incluido                           |
| Pressure Gauge                                           | Mpa & Kgf/cm <sup>2</sup>             |
| Cup Capacity (c.c.)                                      | 1,000.00                              |
| Device Net Weight (Kg)                                   | 2.10                                  |
| Accepted Grease (40° C)                                  | No. 2                                 |

\*\* There is a Ø4 outlet option.

\*\*\* All dimensions are given in millimeters.

\*\*\*\* The dimensions are the same as the device WITHOUT Spring.

# ISH SSG-D1

## GREASE LUBRICATING PROGRESSIVE SYSTEM

(WITH PLASTIC CUP  
WITHOUT SPRING)

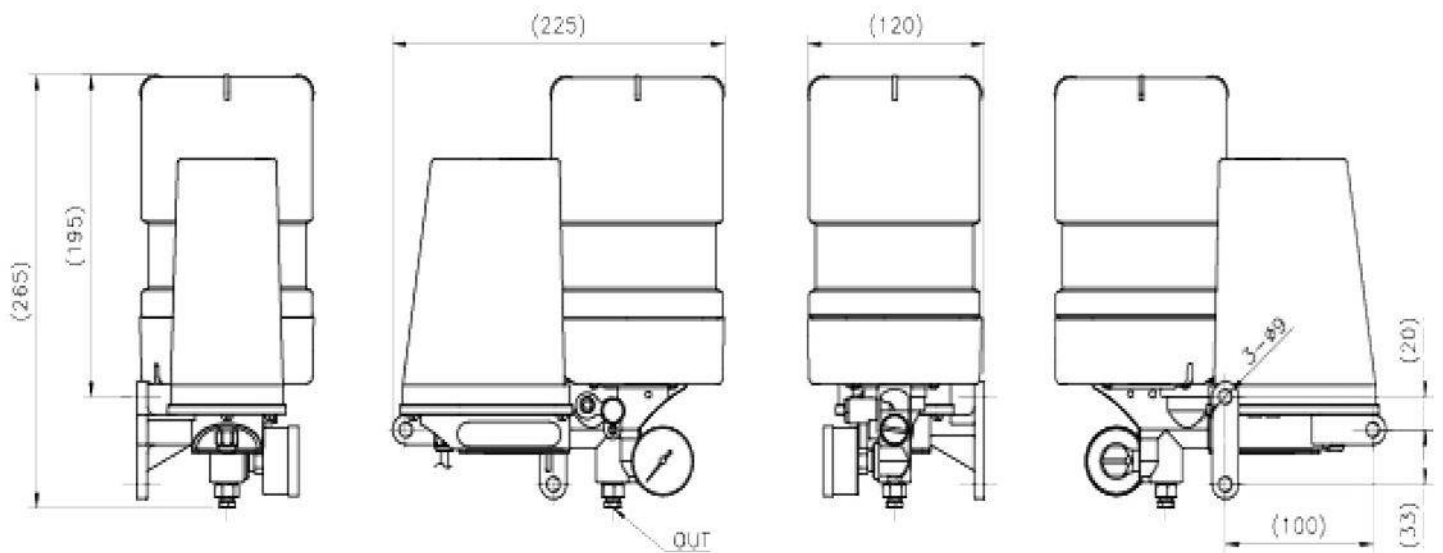






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LUBRICATION SYSTEM

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ISHAN PRECISION INDUSTRY, CO., LTD







**ISHAW**  
LUBRICATION SYSTEM

伊山精密工業股份有限公司  
ISHAN PRECISION INDUSTRY, CO., LTD



## Characteristics & Dimensions

### MODEL

### SSG-D1 (PLASTIC CUP WITOUT SPRING)

|                                                          |                                     |
|----------------------------------------------------------|-------------------------------------|
| Distribuitor                                             | <i>Serie DU</i>                     |
| Voltage (Single Phase)                                   | <b>24V DC</b>                       |
| Consumption Power (watts)                                | <b>93.00</b>                        |
| Output Power (watts)                                     | <b>45.00</b>                        |
| Maximum Current Consumption (Amp)                        | <b>4.00</b>                         |
| Output Bore                                              | <b>Ø6</b>                           |
| Maximum Discharge Pressure [ Mpa(Kgf/cm <sup>2</sup> ) ] | <b>15.00 (150.00)</b>               |
| Discharge Volume (cm <sup>3</sup> /min)                  | <b>Superior a 20.00</b>             |
| Floating Switch                                          | <i>Opcional</i>                     |
| Pressure Switch                                          | <i>No Incluido</i>                  |
| Pressure Gauge                                           | <b>Mpa &amp; Kgf/cm<sup>2</sup></b> |
| Cup Capacity (c.c.)                                      | <b>700.00</b>                       |
| Device Net Weight (Kg)                                   | <b>2.10</b>                         |

Accepted Grease (40° C)

No. 000  
00

No. 1

No.  
No. 0

\*\* There is a Ø4 outlet option.

\*\*\* All dimensions are given in millimeters.

\*\*\*\* The dimensions are the same as the device WITHOUT Spring.

# ISH SSG-D1

## GREASE LUBRICATING PROGRESSIVE SYSTEM

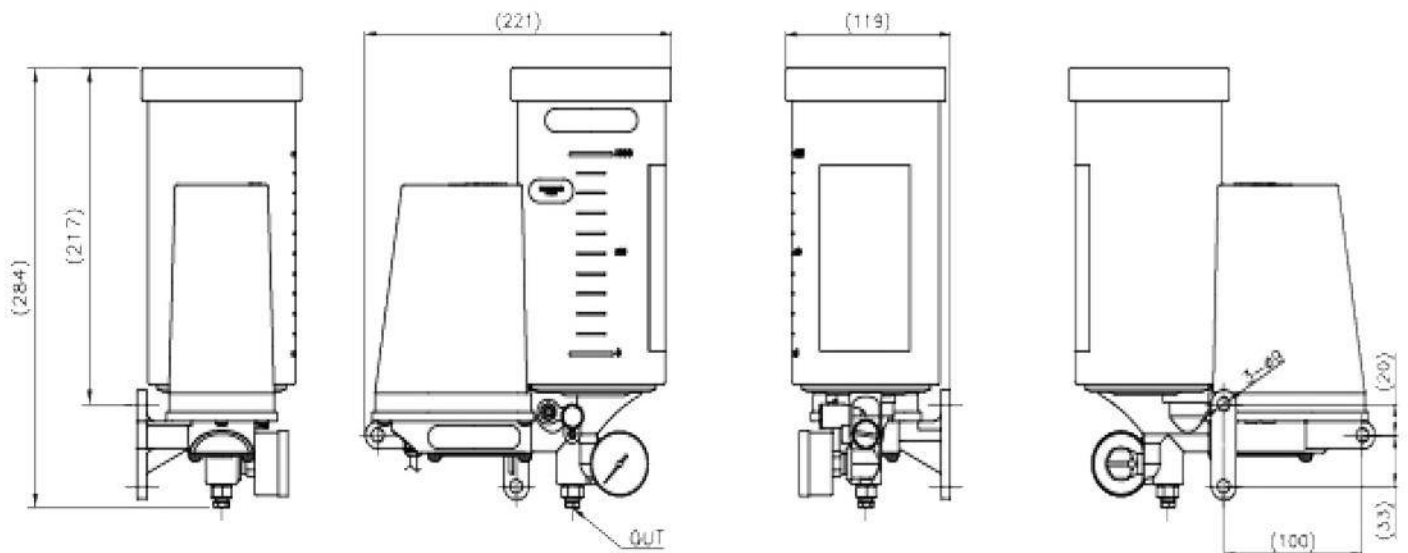
(WITH RESSIN CUP  
WITH SPRING)





**ISHAW**  
LUBRICATION SYSTEM

伊山精密工業股份有限公司  
ISHAN PRECISION INDUSTRY, CO., LTD



## Characteristics & Dimensions

| MODEL                                                    | SSG-D1<br>(RESSIN CUP WITH SPRING)  |
|----------------------------------------------------------|-------------------------------------|
| Distribuidor                                             | <i>Serie DU</i>                     |
| Voltage (Single Phase)                                   | 24V DC                              |
| Consumption Power (watts)                                | 93.00                               |
| Output Power (watts)                                     | 45.00                               |
| Maximum Current Consumption (Amp)                        | 4.00                                |
| Output Bore                                              | Ø6                                  |
| Maximum Discharge Pressure [ Mpa(Kgf/cm <sup>2</sup> ) ] | 15.00 (150.00)                      |
| Discharge Volume (cm <sup>3</sup> /min)                  | Superior a 20.00                    |
| Floating Switch                                          | <i>Opcional</i>                     |
| Pressure Switch                                          | <i>No Incluido</i>                  |
| Pressure Gauge                                           | <i>Mpa &amp; Kgf/cm<sup>2</sup></i> |
| Cup Capacity (c.c.)                                      | 1,000.00                            |
| Device Net Weight (Kg)                                   | 2.10                                |
| Accepted Grease (40° C)                                  | No. 000<br>No. 00<br>No. 0<br>No. 1 |

\*\* There is a Ø4 outlet option.  
 \*\*\* All dimensions are given in millimeters.  
 \*\*\*\* The dimensions are the same as the device WITHOUT Spring.

# SM SSG-D2 SERIES

PROGRESSIVE GREASE  
LUBRICATION SYSTEM



**ISHAN** 伊山精密工業股份有限公司  
LUBRICATION SYSTEM ISHAN PRECISION INDUSTRY, CO., LTD





# ISH SSG-D2

## GREASE LUBRICATING PROGRESSIVE SYSTEM

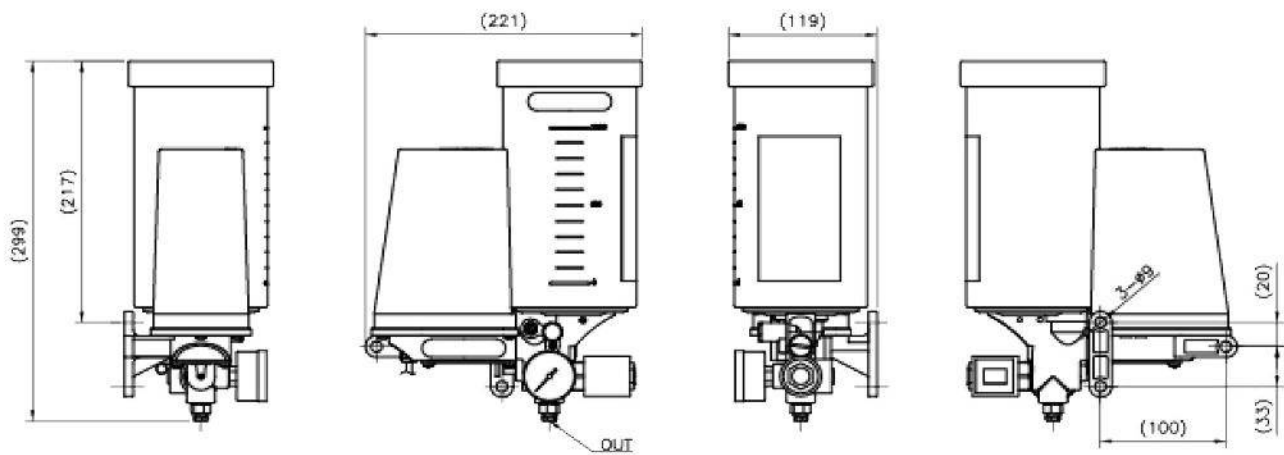






**ISHAW**  
LUBRICATION SYSTEM

伊山精密工業股份有限公司  
ISHAN PRECISION INDUSTRY, CO., LTD



## Characteristics & Dimensions

| MODEL                                                                                             | SM SSG-D2                           |
|---------------------------------------------------------------------------------------------------|-------------------------------------|
| Compatible Flow Distributors                                                                      | <i>Serie DG SERIES</i>              |
| Single Phase Voltage                                                                              | <b>24V DC</b>                       |
| Power Consumption (Watts)                                                                         | <b>93.00</b>                        |
| Output Power (Watts)                                                                              | <b>45.00</b>                        |
| Maximum Current Draw (Amp)                                                                        | <b>4.00</b>                         |
| Outlet Diameter                                                                                   | <b>Ø6</b>                           |
| Maximum Pressure Discharge [Mpa(Kgf/cm <sup>2</sup> )]                                            | <b>10.00 (100.00)</b>               |
| Discharge Volume (cm <sup>3</sup> /min)                                                           | <b>Higher Than 20.00</b>            |
| Float Switch                                                                                      | <b>Optional</b>                     |
| Pressure Switch                                                                                   | <b>Optional (External)</b>          |
| Pressure Gauge                                                                                    | <b>Mpa &amp; Kgf/cm<sup>2</sup></b> |
| Cup Capacity (cm <sup>3</sup> )                                                                   | <b>1,000.00</b>                     |
| Device Net Weight (Kg)                                                                            | <b>2.60</b>                         |
| Lubricating Grease Compatible With The System                                                     | <b>No. 000, 000, 0, 1</b>           |
| <p>*** There is an option with a Ø4 outlet.<br/>**** All dimensions are given in millimeters.</p> |                                     |

# ISH SSG-D2 (CP)

## GREASE LUBRICATING PROGRESSIVE SYSTEM

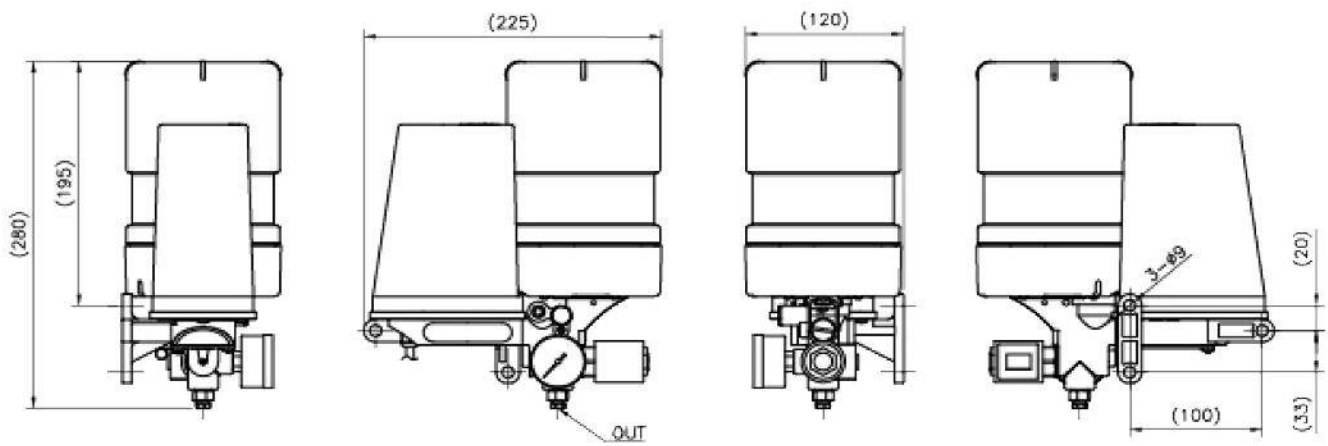
(WITH PLASTIC CUP)





**ISHAW**  
LUBRICATION SYSTEM

伊山精密工業股份有限公司  
ISHAN PRECISION INDUSTRY, CO., LTD



## Characteristics & Dimensions

| MODEL                                                                                                       | SSG-D2 (CP)                         |
|-------------------------------------------------------------------------------------------------------------|-------------------------------------|
| Compatible Flow Distributors                                                                                | <i>Serie DG</i>                     |
| Single Phase Voltage                                                                                        | <b>24V DC</b>                       |
| Power Consumption (Watts)                                                                                   | <b>93.00</b>                        |
| Output Power (Watts)                                                                                        | <b>45.00</b>                        |
| Maximum Current Draw (Amp)                                                                                  | <b>4.00</b>                         |
| Outlet Diameter                                                                                             | <b>Ø6</b>                           |
| Maximum Pressure Discharge [Mpa(Kgf/cm <sup>2</sup> )]                                                      | <b>10.00 (100.00)</b>               |
| Discharge Volume (cm <sup>3</sup> /min)                                                                     | <b>Superior A 20.00</b>             |
| Float Switch                                                                                                | <i>Opcional</i>                     |
| Pressure Switch                                                                                             | <i>Opcional (Externo)</i>           |
| Pressure Gauge                                                                                              | <b>Mpa &amp; Kgf/cm<sup>2</sup></b> |
| Cup Capacity (cm <sup>3</sup> )                                                                             | <b>700.00</b>                       |
| Device Net Weight (Kg)                                                                                      | <b>2.60</b>                         |
| Lubricating Grease Compatible With The System                                                               | <b>No. 000, 000, 0, 1</b>           |
| <p>*** There is an option with a Ø4 outlet.<br/>           *** All dimensions are given in millimeters.</p> |                                     |



# SM SSP-MT1 SERIES

**MICRO VOLUME  
MIST LUBRICATORS**



# SM SSP-MT1-1

## SPRAY MIST MICRO VOLUME LUBRICATORS



**ISHAW**  
LUBRICATION SYSTEM

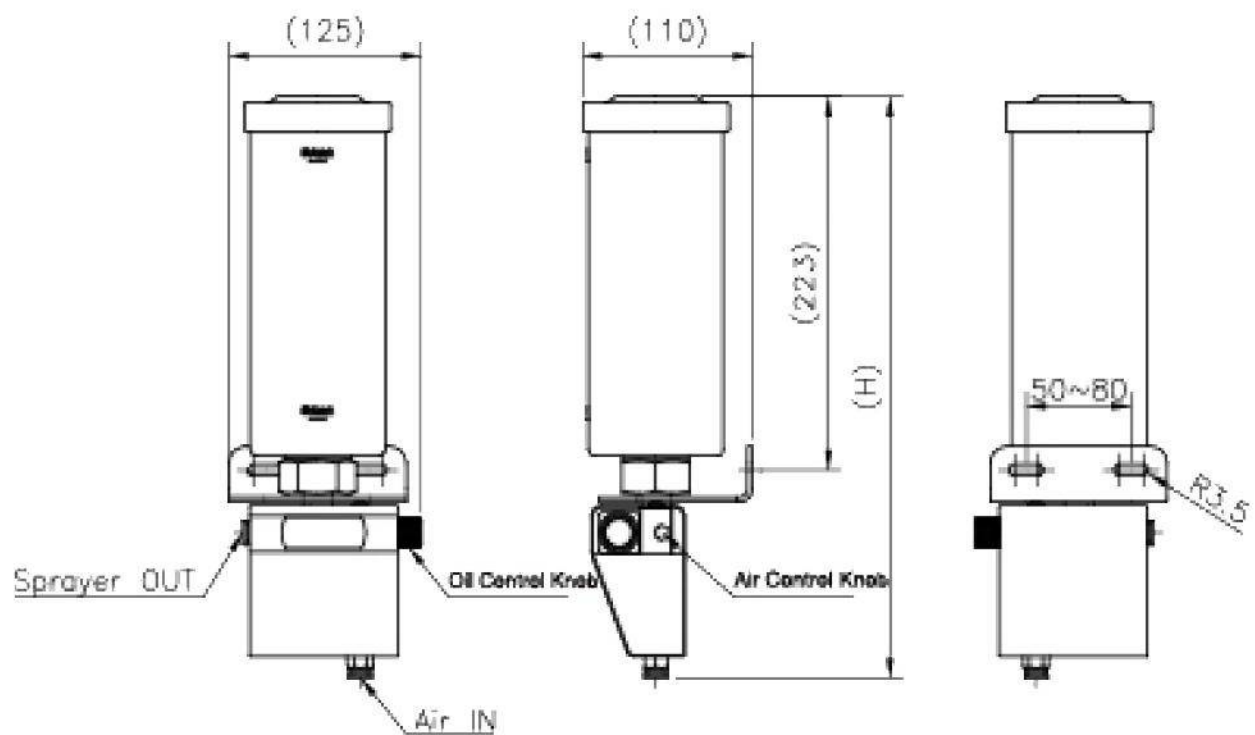
伊山精密工業股份有限公司  
ISHAN PRECISION INDUSTRY, CO., LTD





**ISHAW**  
LUBRICATION SYSTEM

伊山精密工業股份有限公司  
ISHAN PRECISION INDUSTRY, CO., LTD



## Características & Dimensiones

| Modelo                                               | SM SSP-MT1-1  |
|------------------------------------------------------|---------------|
| Air Inlet Pressure Range (Kgf/cm <sup>2</sup> )      | 3.00 ~ 8.00   |
| Output Volume Range (cm <sup>3</sup> /cycle)         | 0.003 ~ 0.03  |
| Output Volume Adjustment Gradient (cm <sup>3</sup> ) | 0.0005        |
| Longest Setup Time** (sec)                           | 20.00         |
| Lubricant Tank Capacity (cm <sup>3</sup> )           | 800.00        |
| Outlet diameter (mm)                                 | PT 1/8"       |
| Recommended Lubricant Viscosity Range (Cst)          | 10.00 ~ 68.00 |
| H (mm)                                               | 350.00        |

\*\* It may vary due to the difference in air and lubricant viscosity.

\*\*\* This under the input air pressure of 4.00 Kg/cm<sup>2</sup>

\*\*\*\* All dimensions are given in millimeters.

# SM SSP-MT1-2

## SPRAY MIST MICRO VOLUME LUBRICATORS



**ISHAW**  
LUBRICATION SYSTEM

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ISHAN PRECISION INDUSTRY, CO., LTD

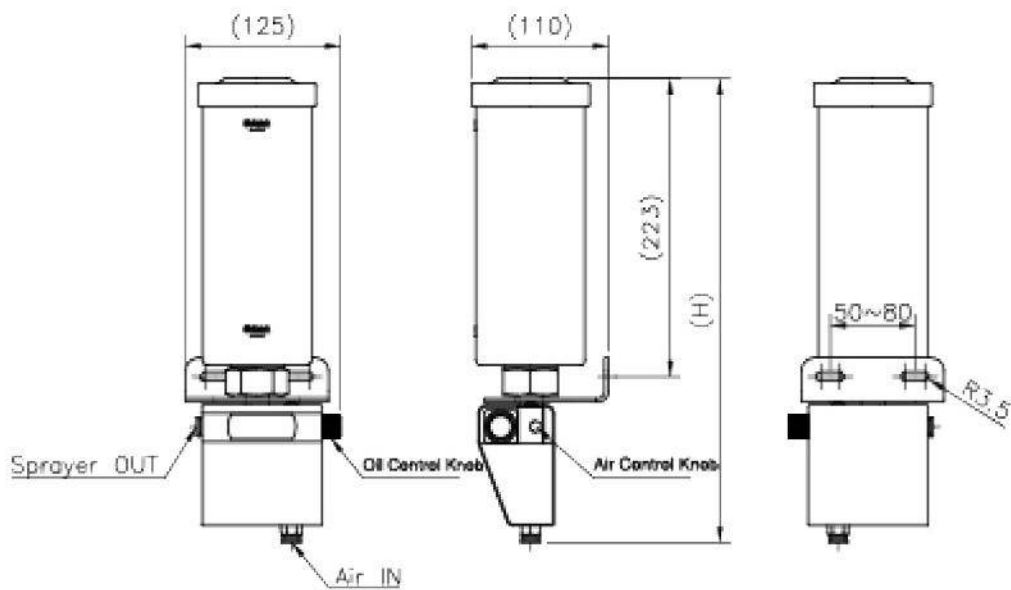






**ISHAN**  
LUBRICATION SYSTEM

伊山精密工業股份有限公司  
ISHAN PRECISION INDUSTRY, CO., LTD



## Características & Dimensiones

| Modelo                                               | SM SSP-MT1-2  |
|------------------------------------------------------|---------------|
| Air Inlet Pressure Range (Kgf/cm <sup>2</sup> )      | 3.00 ~ 8.00   |
| Output Volume Range (cm <sup>3</sup> /cycle)         | 0.003 ~ 0.03  |
| Output Volume Adjustment Gradient (cm <sup>3</sup> ) | 0.0005        |
| Longest Setup Time** (sec)                           | 20.00         |
| Lubricant Tank Capacity (cm <sup>3</sup> )           | 800.00        |
| Outlet diameter (mm)                                 | PT 1/8"       |
| Recommended Lubricant Viscosity Range (Cst)          | 10.00 ~ 68.00 |
| H (mm)                                               | 377.00        |

\*\* It may vary due to the difference in air and lubricant viscosity.

\*\*\* This under the input air pressure of 4.00 Kg/cm<sup>2</sup>

\*\*\*\* All dimensions are given in millimeters.

# SM SSP-MT1-3

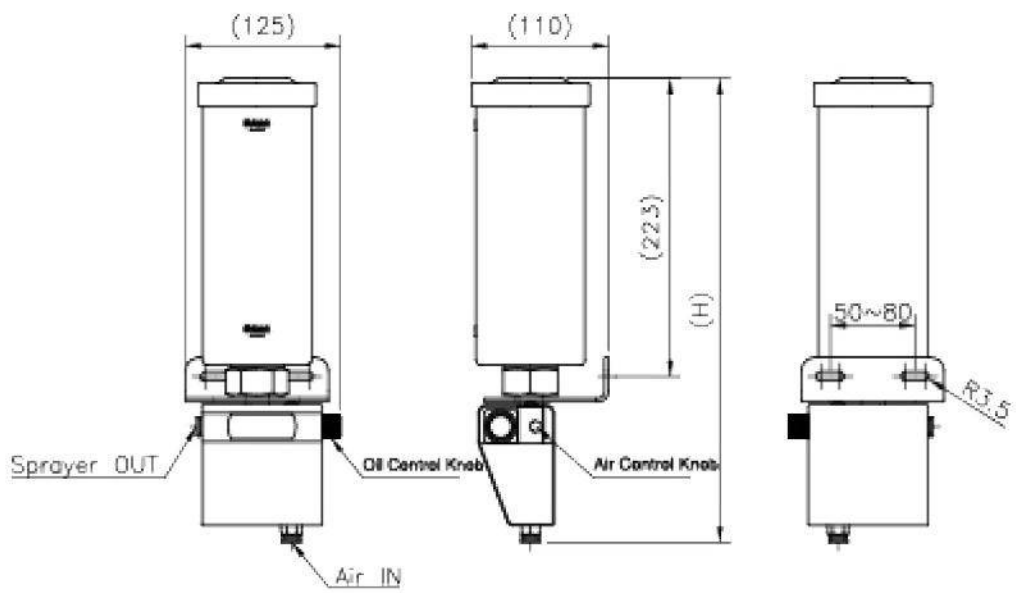
## SPRAY MIST MICRO VOLUME LUBRICATORS



**ISHAW**  
LUBRICATION SYSTEM

伊山精密工業股份有限公司  
ISHAN PRECISION INDUSTRY, CO., LTD





## Characteristics & Dimensions

| MODEL                                                | SM SSP-MT1-3  |
|------------------------------------------------------|---------------|
| Air Inlet Pressure Range (Kgf/cm <sup>2</sup> )      | 3.00 ~ 8.00   |
| Output Volume Range (cm <sup>3</sup> /cycle)         | 0.003 ~ 0.03  |
| Output Volume Adjustment Gradient (cm <sup>3</sup> ) | 0.0005        |
| Longest Setup Time** (sec)                           | 20.00         |
| Lubricant Tank Capacity (cm <sup>3</sup> )           | 2000.00       |
| Outlet diameter (mm)                                 | PT 1/8"       |
| Recommended Lubricant Viscosity Range (Cst)          | 10.00 ~ 68.00 |
| H (mm)                                               | 379.00        |

\*\* It may vary due to the difference in air and lubricant viscosity.

\*\*\* This under the input air pressure of 4.00 Kgf/cm<sup>2</sup>

\*\*\*\* All dimensions are given in millimeters.



# SM SSP-MT2 SERIES

MICRO VOLUME  
MIST LUBRICATORS



# SM SSP-MT2-1

## SPRAY MIST MICRO VOLUME LUBRICATORS

**SMUS**

**ISHAN**  
LUBRICATION SYSTEM

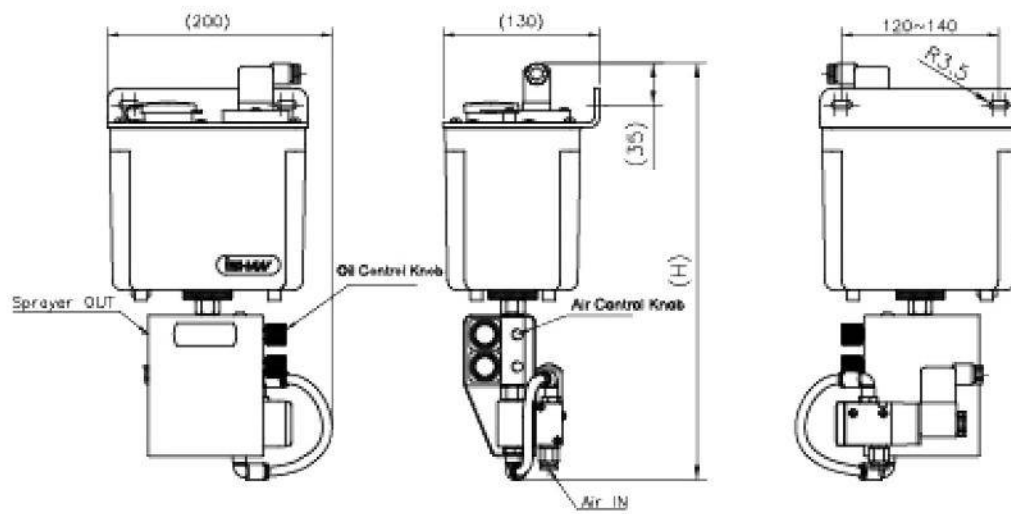
伊山精密工業股份有限公司  
ISHAN PRECISION INDUSTRY, CO., LTD





**ISHAW**  
LUBRICATION SYSTEM

伊山精密工業股份有限公司  
ISHAN PRECISION INDUSTRY, CO., LTD



## Características & Dimensiones

| Modelo                                               | SM SSP-MT2-1  |
|------------------------------------------------------|---------------|
| Air Inlet Pressure Range (Kgf/cm <sup>2</sup> )      | 3.00 ~ 8.00   |
| Output Volume Range (cm <sup>3</sup> /cycle)         | 0.003 ~ 0.03  |
| Output Volume Adjustment Gradient (cm <sup>3</sup> ) | 0.0005        |
| Longest Setup Time** (sec)                           | 20.00         |
| Lubricant Tank Capacity (cm <sup>3</sup> )           | 2000.00       |
| Outlet diameter (mm)                                 | PT 1/8"       |
| Recommended Lubricant Viscosity Range (Cst)          | 10.00 ~ 68.00 |
| H (mm)                                               | 325.00        |

\*\* It may vary due to the difference in air and lubricant viscosity.

\*\*\* This under the input air pressure of 4.00 Kgf/cm<sup>2</sup>

\*\*\*\* All dimensions are given in millimeters.

# SM SSP-MT2-2

## SPRAY MIST MICRO VOLUME LUBRICATORS

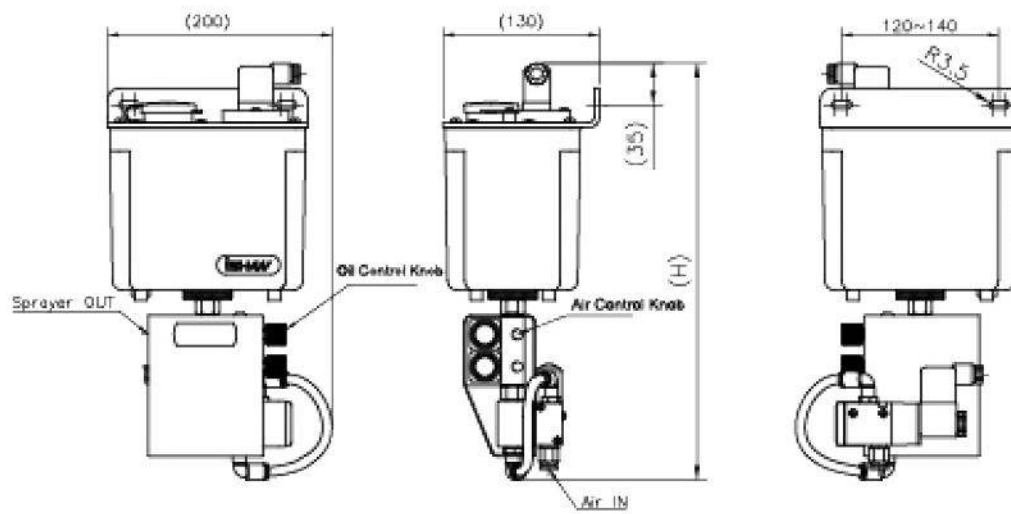






**ISHAW**  
LUBRICATION SYSTEM

伊山精密工業股份有限公司  
ISHAN PRECISION INDUSTRY, CO., LTD





## Characteristics & Dimensions

| MODEL                                                | SM SSP-MT2-2  |
|------------------------------------------------------|---------------|
| Air Inlet Pressure Range (Kgf/cm <sup>2</sup> )      | 3.00 ~ 8.00   |
| Output Volume Range (cm <sup>3</sup> /cycle)         | 0.003 ~ 0.03  |
| Output Volume Adjustment Gradient (cm <sup>3</sup> ) | 0.0005        |
| Longest Setup Time** (sec)                           | 20.00         |
| Lubricant Tank Capacity (cm <sup>3</sup> )           | 2000.00       |
| Outlet diameter (mm)                                 | PT 1/8"       |
| Recommended Lubricant Viscosity Range (Cst)          | 10.00 ~ 68.00 |
| H (mm)                                               | 352.00        |

\*\* It may vary due to the difference in air and lubricant viscosity.

\*\*\* This under the input air pressure of 4.00 Kgf/cm<sup>2</sup>

\*\*\*\* All dimensions are given in millimeters.

# SM SSP-MT2-3

## SPRAY MIST MICRO VOLUME LUBRICATORS



**ISHAN**  
LUBRICATION SYSTEM

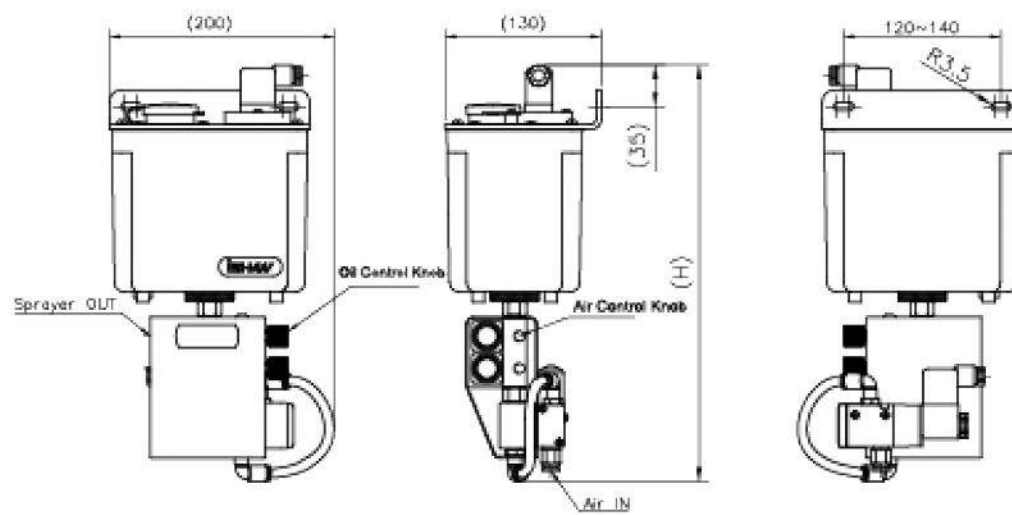
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ISHAN PRECISION INDUSTRY, CO., LTD





**ISHAW**  
LUBRICATION SYSTEM

伊山精密工業股份有限公司  
ISHAN PRECISION INDUSTRY, CO., LTD



## Characteristics & Dimensions

| MODEL                                                | SM SSP-MT2-3  |
|------------------------------------------------------|---------------|
| Air Inlet Pressure Range (Kgf/cm <sup>2</sup> )      | 3.00 ~ 8.00   |
| Output Volume Range (cm <sup>3</sup> /cycle)         | 0.003 ~ 0.03  |
| Output Volume Adjustment Gradient (cm <sup>3</sup> ) | 0.0005        |
| Longest Setup Time** (sec)                           | 20.00         |
| Lubricant Tank Capacity (cm <sup>3</sup> )           | 2000.00       |
| Outlet diameter (mm)                                 | PT 1/8"       |
| Recommended Lubricant Viscosity Range (Cst)          | 10.00 ~ 68.00 |
| H (mm)                                               | 379.00        |

\*\* It may vary due to the difference in air and lubricant viscosity.

\*\*\* This under the input air pressure of 4.00 Kgf/cm<sup>2</sup>

\*\*\*\* All dimensions are given in millimeters.

# SM SST-B2 SERIES

## PISTON OIL LUBRICATION SYSTEMS



**ISHAN** 伊山精密工業股份有限公司  
LUBRICATION SYSTEM ISHAN PRECISION INDUSTRY, CO., LTD





# SM SST-B2

## PISTON OIL LUBRICATING SYSTEM

(3 LITER CONFIGURATION)



## Characteristics & Dimensions

| MODEL                                                 | SM SST-B2                                        |
|-------------------------------------------------------|--------------------------------------------------|
| Single Phase Voltage                                  | 110V/60Hz o 220V/60Hz                            |
| Power Consumption (Watts)                             | 100.00                                           |
| Output Power (Watts)                                  | 10.00                                            |
| Output Terminal Capacity (Amp)                        | 0.30 (FLOATING SWITCH)<br>5.00 (PRESSURE SWITCH) |
| Lubrication Period                                    | Cooperates with PLC Control System               |
| Intermittent Period                                   | Cooperates with PLC Control System               |
| Exit Direction                                        | Left / Right                                     |
| Outlet Diameter                                       | Ø4   Ø6                                          |
| Maximum outlet pressure [ Mpa(Kgf/cm <sup>2</sup> ) ] | 1.50                                             |
| Output Volume (cc/min)                                | 150.00                                           |
| Pressure Release Device                               | O                                                |
| Flotation System                                      | O                                                |
| Pressure Switch (Kgf/cm <sup>2</sup> )                | 12.00 ~ 9.00 (NC)                                |
| Pressure Gauge                                        | O                                                |
| Oil Tank Capacity (Liters)                            | 3.00L (P)                                        |

" (P) Plastic oil tank.

\*\*Oil viscosity at 40° C: 30 ~ 450 cSt.

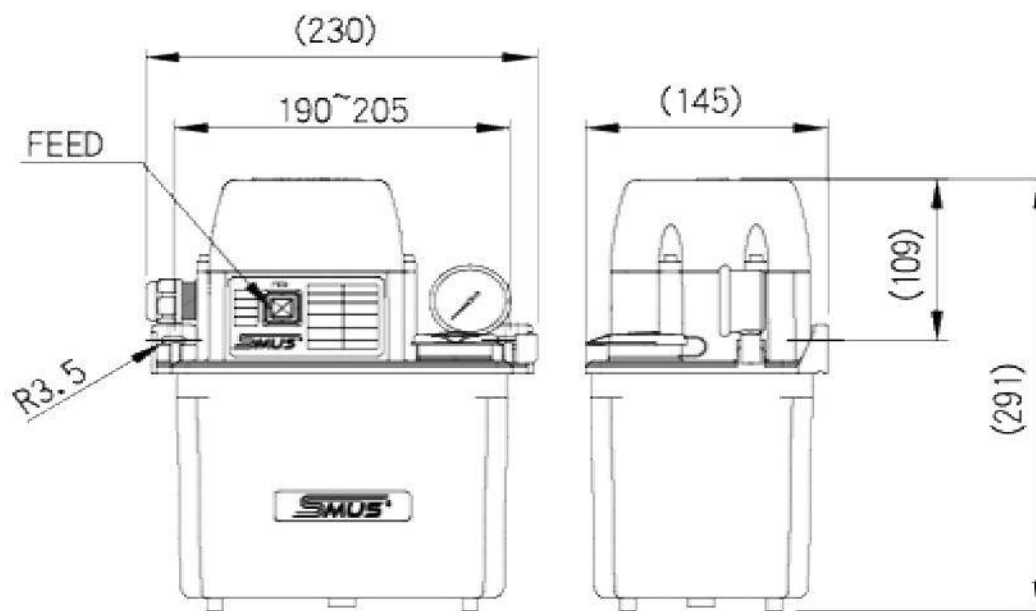
\*\*\*The outlet volume and maximum outlet pressure above is based on an oil viscosity of 68 cSt.

\*\*\*\*Standard output volume is based on 60Hz current. At 110V | 220V.

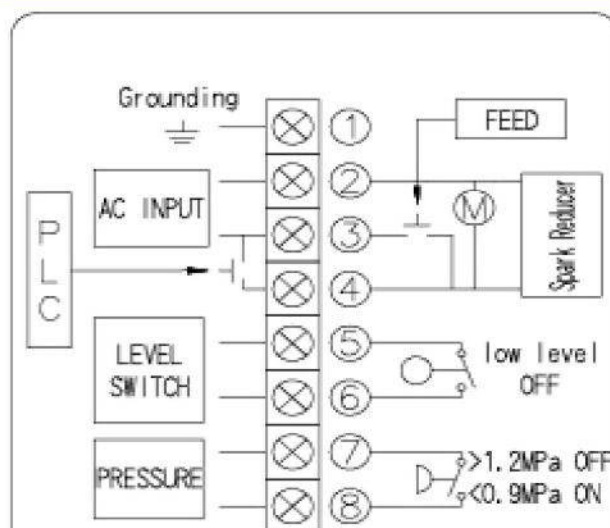


**ISHAW**  
LUBRICATION SYSTEM

伊山精密工業股份有限公司  
ISHAN PRECISION INDUSTRY, CO., LTD



## WIRE DIAGRAM SM SST-B2





# SM SST-B2

## PISTON OIL LUBRICATING SYSTEM

(4 LITER CONFIGURATION)





## Characteristics & Dimensions

| MODEL                                                 | SM SST-B2                                        |
|-------------------------------------------------------|--------------------------------------------------|
| Single Phase Voltage                                  | 110V/60Hz o 220V/60Hz                            |
| Power Consumption (Watts)                             | 100.00                                           |
| Output Power (Watts)                                  | 10.00                                            |
| Output Terminal Capacity (Amp)                        | 0.30 (FLOATING SWITCH)<br>5.00 (PRESSURE SWITCH) |
| Lubrication Period                                    | Cooperates with PLC Control System               |
| Intermittent Period                                   | Cooperates with PLC Control System               |
| Exit Direction                                        | Left / Right                                     |
| Outlet Diameter                                       | Ø4   Ø6                                          |
| Maximum outlet pressure [ Mpa(Kgf/cm <sup>2</sup> ) ] | 1.50                                             |
| Output Volume (cc/min)                                | 150.00                                           |
| Pressure Release Device                               | O                                                |
| Flotation System                                      | O                                                |
| Pressure Switch (Kgf/cm <sup>2</sup> )                | 12.00 ~ 9.00 (NC)                                |
| Pressure Gauge                                        | O                                                |
| Oil Tank Capacity (Liters)                            | 4.00L (P)                                        |

" (P) Plastic oil tank.

\*\*Oil viscosity at 40° C: 30 ~ 450 cSt.

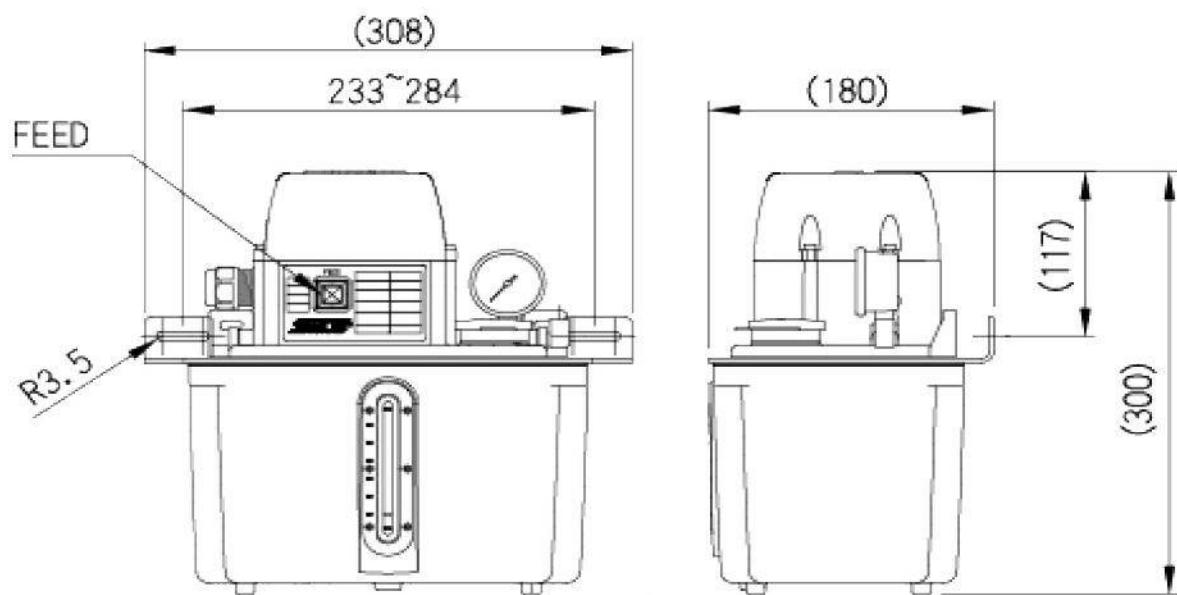
\*\*\*The outlet volume and maximum outlet pressure above is based on an oil viscosity of 68 cSt.

\*\*\*\*Standard output volume is based on 60Hz current. At 110V | 220V.

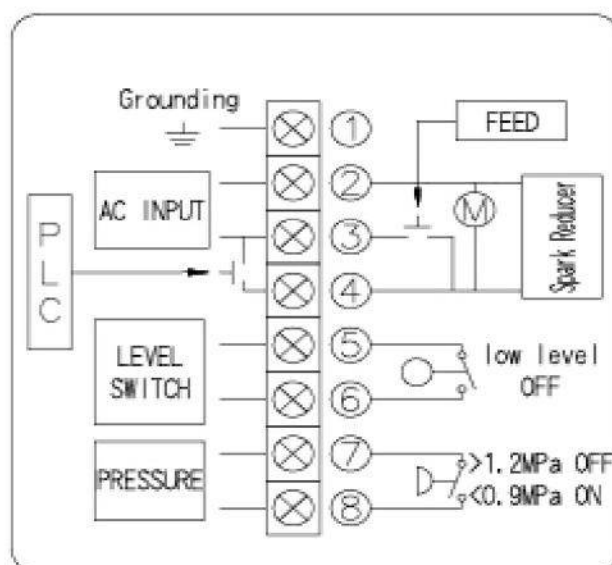


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ISHAN PRECISION INDUSTRY, CO., LTD



## WIRE DIAGRAM SM SST-B2



# SM SST-B2

## PISTON OIL LUBRICATING SYSTEM

(6 LITER CONFIGURATION)





## Characteristics & Dimensions

| MODEL                                                 | SM SST-B2                                        |
|-------------------------------------------------------|--------------------------------------------------|
| Single Phase Voltage                                  | 110V/60Hz o 220V/60Hz                            |
| Power Consumption (Watts)                             | 100.00                                           |
| Output Power (Watts)                                  | 10.00                                            |
| Output Terminal Capacity (Amp)                        | 0.30 (FLOATING SWITCH)<br>5.00 (PRESSURE SWITCH) |
| Lubrication Period                                    | Cooperates with PLC Control System               |
| Intermittent Period                                   | Cooperates with PLC Control System               |
| Exit Direction                                        | Left / Right                                     |
| Outlet Diameter                                       | Ø4   Ø6                                          |
| Maximum outlet pressure [ Mpa(Kgf/cm <sup>2</sup> ) ] | 1.50                                             |
| Output Volume (cc/min)                                | 150.00                                           |
| Pressure Release Device                               | O                                                |
| Flotation System                                      | O                                                |
| Pressure Switch (Kgf/cm <sup>2</sup> )                | 12.00 ~ 9.00 (NC)                                |
| Pressure Gauge                                        | O                                                |
| Oil Tank Capacity (Liters)                            | 6.00L (P)                                        |

" (P) Plastic oil tank.

\*\*Oil viscosity at 40° C: 30 ~ 450 cSt.

\*\*\*The outlet volume and maximum outlet pressure above is based on an oil viscosity of 68 cSt.

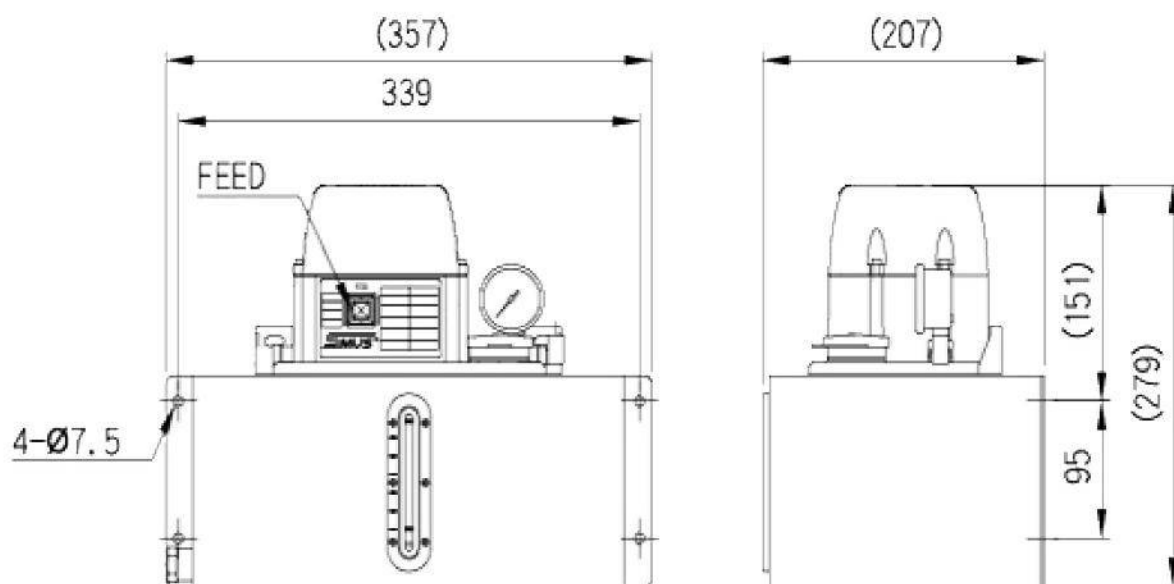
\*\*\*\*Standard output volume is based on 60Hz current. At 110V | 220V.





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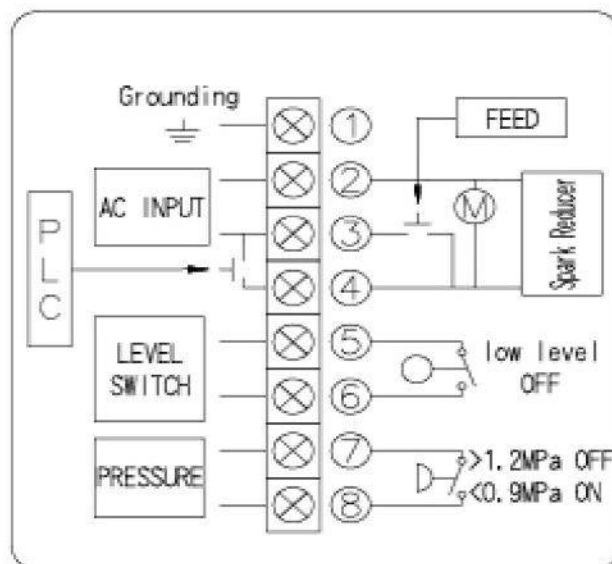


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## WIRE DIAGRAM SM SST-B2



# SM SST-B2

## PISTON OIL LUBRICATING SYSTEM

(8 LITER CONFIGURATION)

# SMUS

**ISHAN**  
LUBRICATION SYSTEM

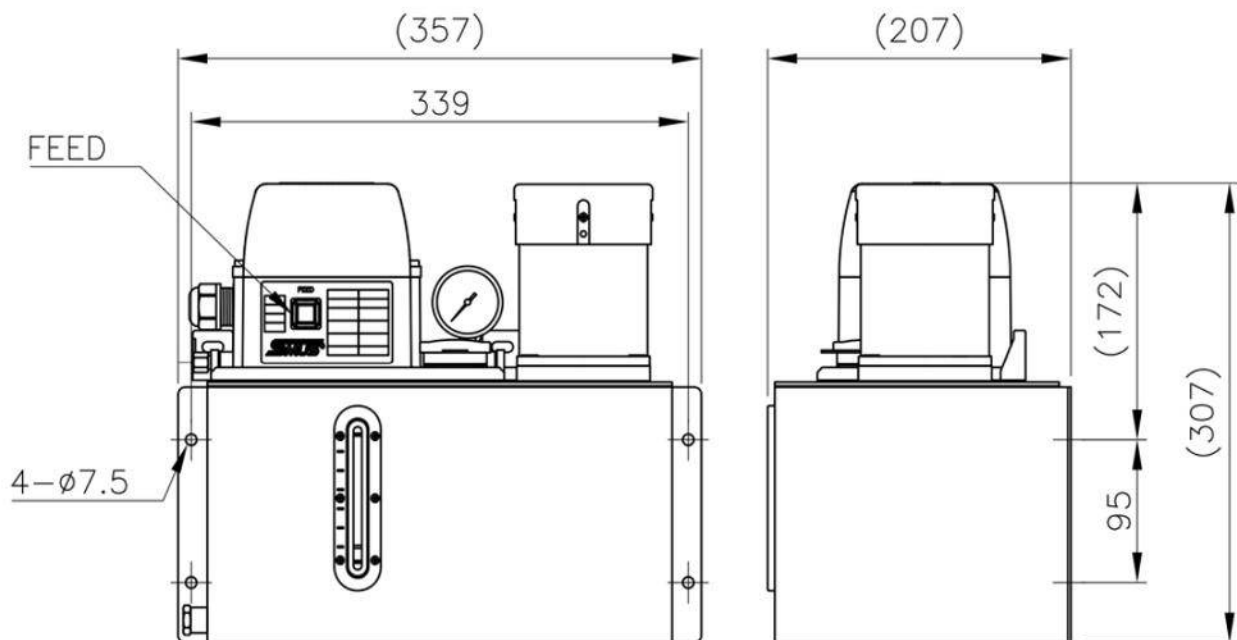
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**ISHAW**  
LUBRICATION SYSTEM

伊山精密工業股份有限公司  
ISHAN PRECISION INDUSTRY, CO., LTD



## Characteristics & Dimensions

| MODEL                                                 | SM SST-B2                                        |
|-------------------------------------------------------|--------------------------------------------------|
| Single Phase Voltage                                  | 110V/60Hz o 220V/60Hz                            |
| Power Consumption (Watts)                             | 100.00                                           |
| Output Power (Watts)                                  | 10.00                                            |
| Output Terminal Capacity (Amp)                        | 0.30 (FLOATING SWITCH)<br>5.00 (PRESSURE SWITCH) |
| Lubrication Period                                    | Cooperates with PLC Control System               |
| Intermittent Period                                   | Cooperates with PLC Control System               |
| Exit Direction                                        | Left / Right                                     |
| Outlet Diameter                                       | Ø4   Ø6                                          |
| Maximum outlet pressure [ Mpa(Kgf/cm <sup>2</sup> ) ] | 1.50                                             |
| Output Volume (cc/min)                                | 150.00                                           |
| Pressure Release Device                               | O                                                |
| Flotation System                                      | O                                                |
| Pressure Switch (Kgf/cm <sup>2</sup> )                | 12.00 ~ 9.00 (NC)                                |
| Pressure Gauge                                        | O                                                |
| Oil Tank Capacity (Liters)                            | 8.00L (P)                                        |

" (P) Plastic oil tank.

\*\*Oil viscosity at 40° C: 30 ~ 450 cSt.

\*\*\*The outlet volume and maximum outlet pressure above is based on an oil viscosity of 68 cSt.

\*\*\*\*Standard output volume is based on 60Hz current. At 110V | 220V.



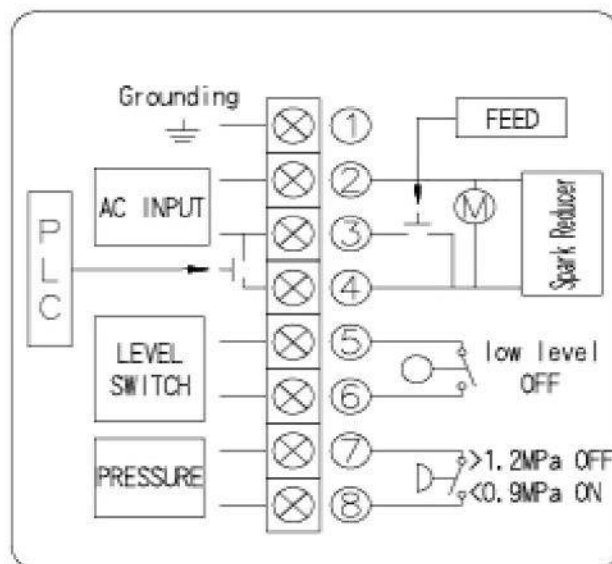


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ISHAN PRECISION INDUSTRY, CO., LTD



## WIRE DIAGRAM SM SST-B2



# SERIE SM SST-H2

## PISTON OIL LUBRICATION SYSTEMS



# SM SST-H2

## PISTON OIL LUBRICATING SYSTEM

(8 LITER CONFIGURATION)



## Characteristics & Dimensions

| MODEL                                                 | SM SST-H2                                        |
|-------------------------------------------------------|--------------------------------------------------|
| Single Phase Voltage                                  | 110V/60Hz o 220V/60Hz                            |
| Power Consumption (Watts)                             | 210.00                                           |
| Output Power (Watts)                                  | 90.00                                            |
| Output Terminal Capacity (Amp)                        | 0.30 (FLOATING SWITCH)<br>5.00 (PRESSURE SWITCH) |
| Lubrication Period                                    | Cooperates with PLC Control System               |
| Intermittent Period                                   | Cooperates with PLC Control System               |
| Exit Direction                                        | Left                                             |
| Outlet Diameter                                       | Ø4   Ø6                                          |
| Maximum outlet pressure [ Mpa(Kgf/cm <sup>2</sup> ) ] | 3.00 (30.00)                                     |
| Output Volume (cc/min)                                | 600.00                                           |
| Pressure Release Device                               | Incluido                                         |
| Flotation System                                      | Incluido                                         |
| Pressure Switch (Kgf/cm <sup>2</sup> )                | 12.00 ~ 9.00 (NC)                                |
| Pressure Gauge                                        | Incluido                                         |
| Oil Tank Capacity (Liters)                            | 8.00L (P)                                        |

\* (P) Plastic oil tank.

\*\*Oil viscosity at 40° C: 30 ~ 450 cSt.

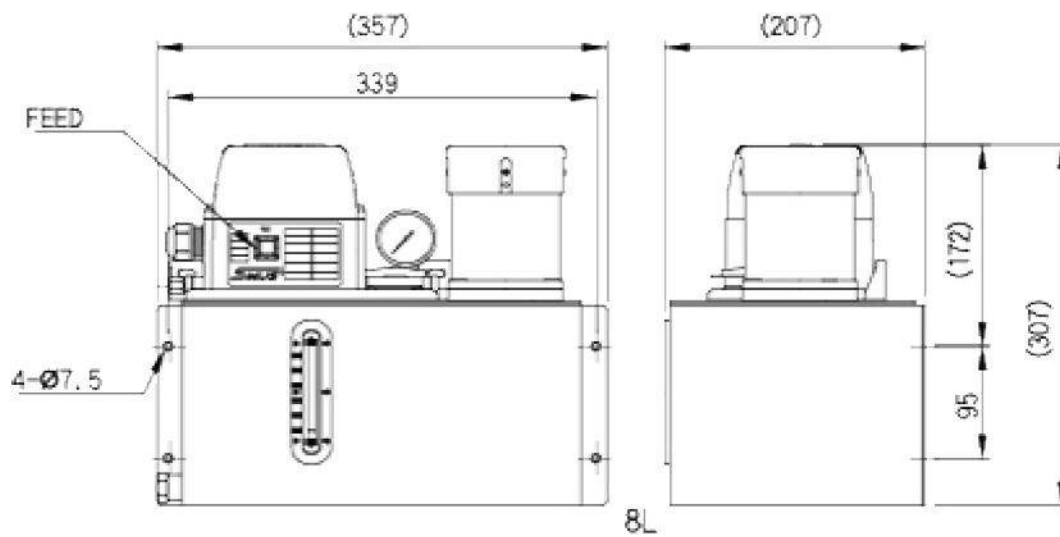
\*\*\*The outlet volume and maximum outlet pressure above is based on an oil viscosity of 68 cSt.

\*\*\*\*Standard output volume is based on 60Hz current. At 110V | 220V.



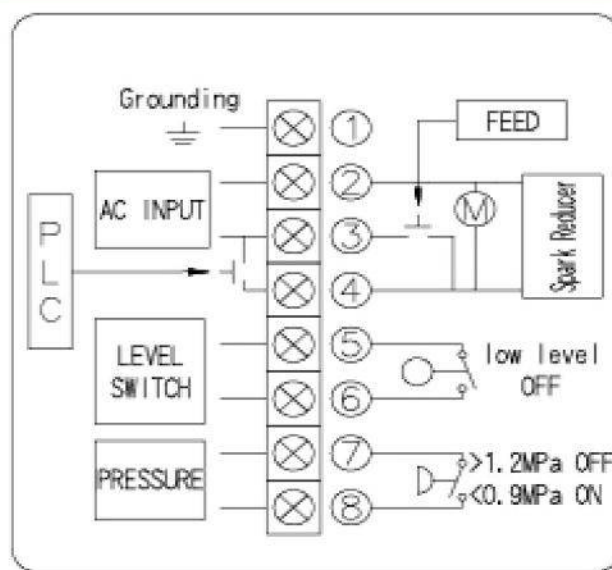
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ISHAN PRECISION INDUSTRY, CO., LTD





## WIRE DIAGRAM SM SST-H2



# SM SST-H2

## PISTON OIL LUBRICATING SYSTEM

(10 LITER CONFIGURATION)



## Characteristics & Dimensions

| MODEL                                                 | SM SST-H2                                        |
|-------------------------------------------------------|--------------------------------------------------|
| Single Phase Voltage                                  | 110V/60Hz o 220V/60Hz                            |
| Power Consumption (Watts)                             | 210.00                                           |
| Output Power (Watts)                                  | 90.00                                            |
| Output Terminal Capacity (Amp)                        | 0.30 (FLOATING SWITCH)<br>5.00 (PRESSURE SWITCH) |
| Lubrication Period                                    | Cooperates with PLC Control System               |
| Intermittent Period                                   | Cooperates with PLC Control System               |
| Exit Direction                                        | Left                                             |
| Outlet Diameter                                       | Ø4   Ø6                                          |
| Maximum outlet pressure [ Mpa(Kgf/cm <sup>2</sup> ) ] | 3.00 (30.00)                                     |
| Output Volume (cc/min)                                | 600.00                                           |
| Pressure Release Device                               | Incluido                                         |
| Flotation System                                      | Incluido                                         |
| Pressure Switch (Kgf/cm <sup>2</sup> )                | 12.00 ~ 9.00 (NC)                                |
| Pressure Gauge                                        | Incluido                                         |
| Oil Tank Capacity (Liters)                            | 10.00L (P)                                       |

\* (P) Plastic oil tank.

\*\*Oil viscosity at 40° C: 30 ~ 450 cSt.

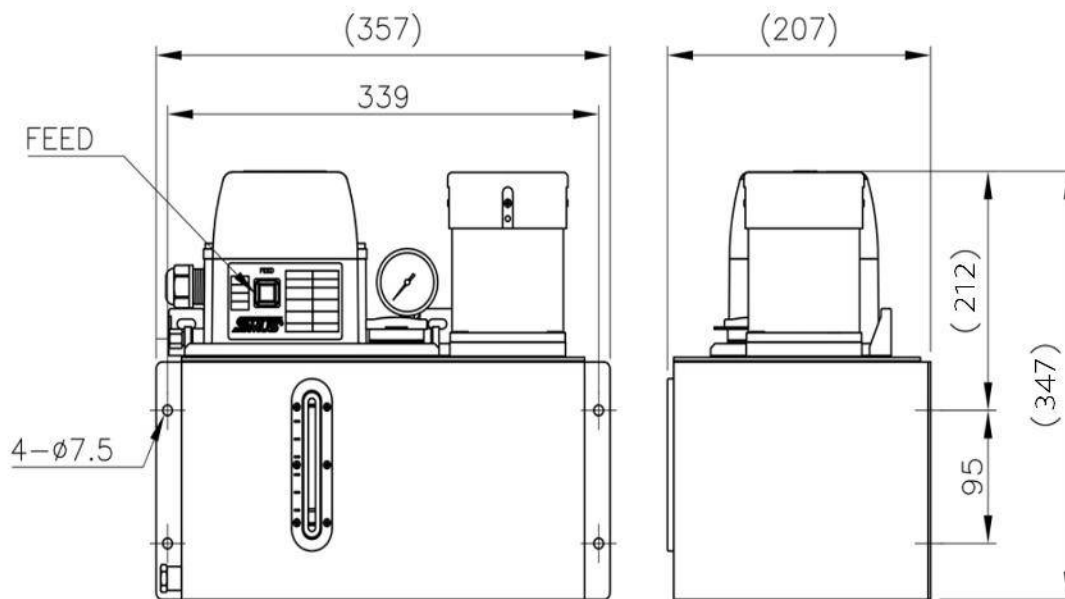
\*\*\*The outlet volume and maximum outlet pressure above is based on an oil viscosity of 68 cSt.

\*\*\*\*Standard output volume is based on 60Hz current. At 110V | 220V.

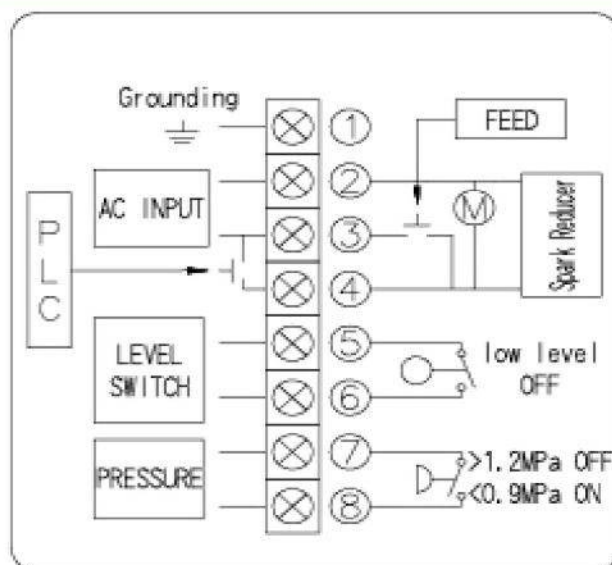


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ISHAN PRECISION INDUSTRY, CO., LTD



## WIRE DIAGRAM SM SST-H2





# SM SST-H2

## PISTON OIL LUBRICATING SYSTEM

(20 LITER CONFIGURATION)



## Characteristics & Dimensions

| MODEL                                                 | SM SST-H2                                        |
|-------------------------------------------------------|--------------------------------------------------|
| Single Phase Voltage                                  | 110V/60Hz o 220V/60Hz                            |
| Power Consumption (Watts)                             | 210.00                                           |
| Output Power (Watts)                                  | 90.00                                            |
| Output Terminal Capacity (Amp)                        | 0.30 (FLOATING SWITCH)<br>5.00 (PRESSURE SWITCH) |
| Lubrication Period                                    | Cooperates with PLC Control System               |
| Intermittent Period                                   | Cooperates with PLC Control System               |
| Exit Direction                                        | Left                                             |
| Outlet Diameter                                       | Ø4   Ø6                                          |
| Maximum outlet pressure [ Mpa(Kgf/cm <sup>2</sup> ) ] | 3.00 (30.00)                                     |
| Output Volume (cc/min)                                | 600.00                                           |
| Pressure Release Device                               | Incluido                                         |
| Flotation System                                      | Incluido                                         |
| Pressure Switch (Kgf/cm <sup>2</sup> )                | 12.00 ~ 9.00 (NC)                                |
| Pressure Gauge                                        | Incluido                                         |
| Oil Tank Capacity (Liters)                            | 20.00L (P)                                       |

\* (P) Plastic oil tank.

\*\*Oil viscosity at 40° C: 30 ~ 450 cSt.

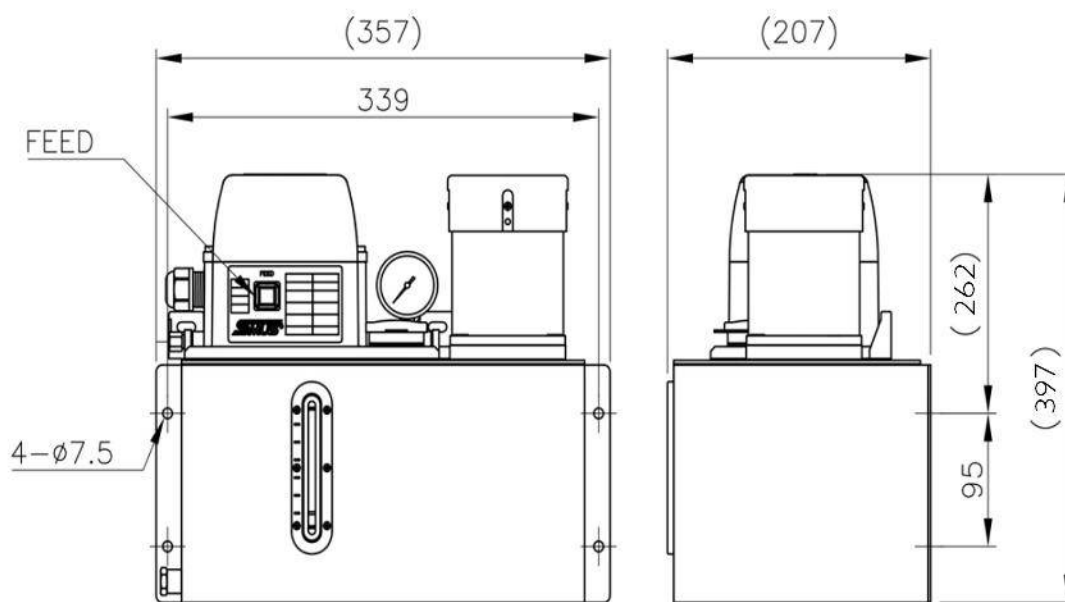
\*\*\*The outlet volume and maximum outlet pressure above is based on an oil viscosity of 68 cSt.

\*\*\*\*Standard output volume is based on 60Hz current. At 110V | 220V.

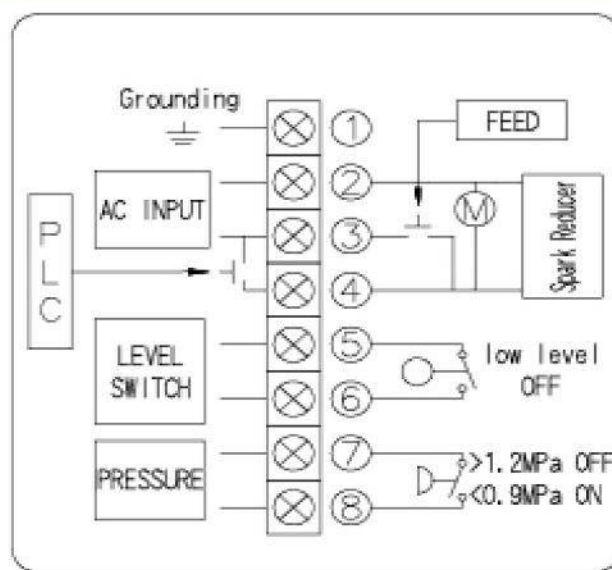


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ISHAN PRECISION INDUSTRY, CO., LTD



## WIRE DIAGRAM SM SST-H2



# SM SST-J2 SERIES

## PISTON OIL LUBRICATION SYSTEMS



**ISHAN** 伊山精密工業股份有限公司  
LUBRICATION SYSTEM ISHAN PRECISION INDUSTRY, CO., LTD





# SM SST-J2

## PISTON OIL LUBRICATING SYSTEM

(6 LITER CONFIGURATION)



## Characteristics & Dimensions

| MODEL                                                 | SM SST-J2                                        |
|-------------------------------------------------------|--------------------------------------------------|
| Single Phase Voltage                                  | 110V/60Hz o 220V/60Hz                            |
| Power Consumption (Watts)                             | 56.00                                            |
| Output Power (Watts)                                  | 25.00                                            |
| Output Terminal Capacity (Amp)                        | 0.30 (FLOATING SWITCH)<br>5.00 (PRESSURE SWITCH) |
| Lubrication Period                                    | Cooperates with PLC Control System               |
| Intermittent Period                                   | Cooperates with PLC Control System               |
| Exit Direction                                        | Left                                             |
| Outlet Diameter                                       | Ø4   Ø6                                          |
| Maximum outlet pressure [ Mpa(Kgf/cm <sup>2</sup> ) ] | 2.00 (20.00)                                     |
| Output Volume (cc/min)                                | 150.00                                           |
| Pressure Release Device                               | Includo                                          |
| Flotation System                                      | Includo                                          |
| Pressure Switch (Kgf/cm <sup>2</sup> )                | 12.00 ~ 9.00 (NC)                                |
| Pressure Gauge                                        | Includo                                          |
| Oil Tank Capacity (Liters)                            | 6.00L (P)                                        |

\* (P) Plastic oil tank.

\*\*Oil viscosity at 40° C: 30 ~ 450 cSt.

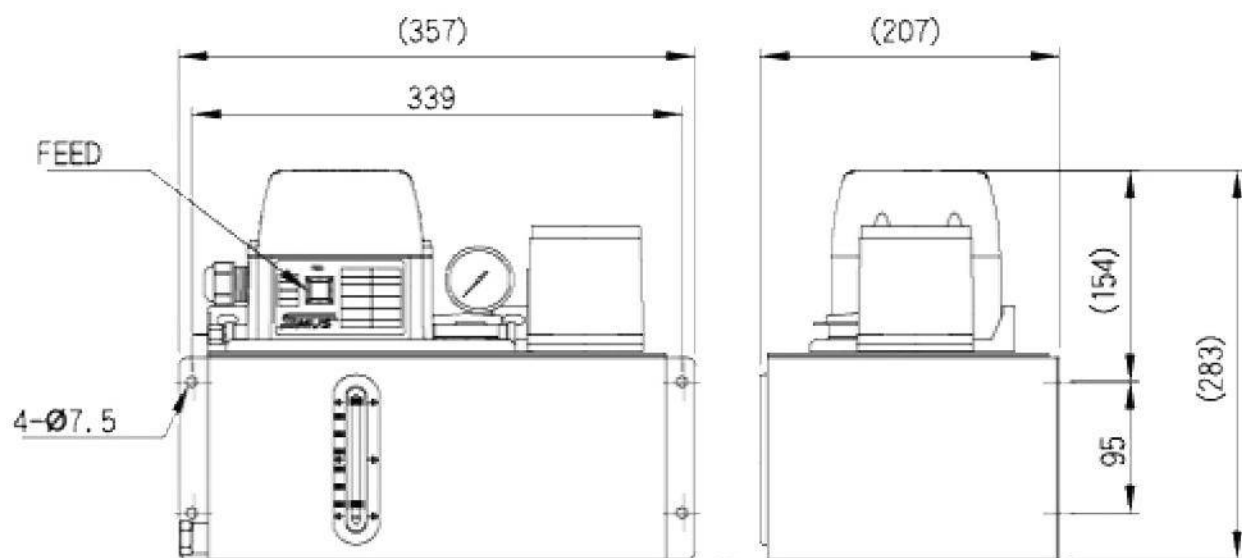
\*\*\*The outlet volume and maximum outlet pressure above is based on an oil viscosity of 68 cSt.

\*\*\*\*Standard output volume is based on 60Hz current. At 110V | 220V.

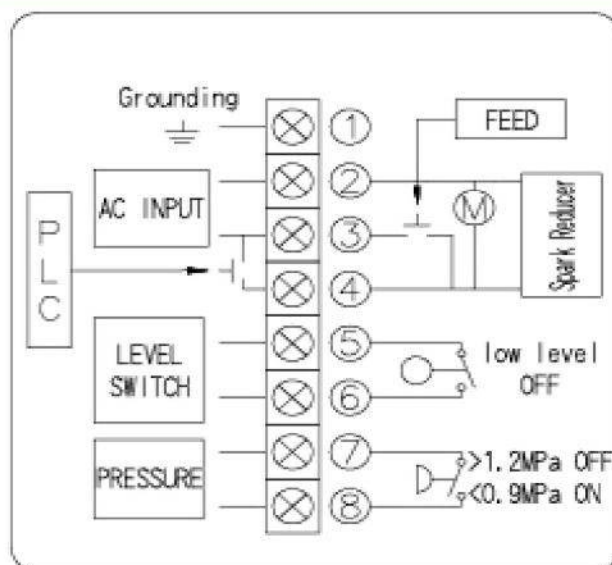


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## WIRE DIAGRAM SM SST-B2



# SM SST-J2

## PISTON OIL LUBRICATING SYSTEM

(8 LITER CONFIGURATION)





## Characteristics & Dimensions

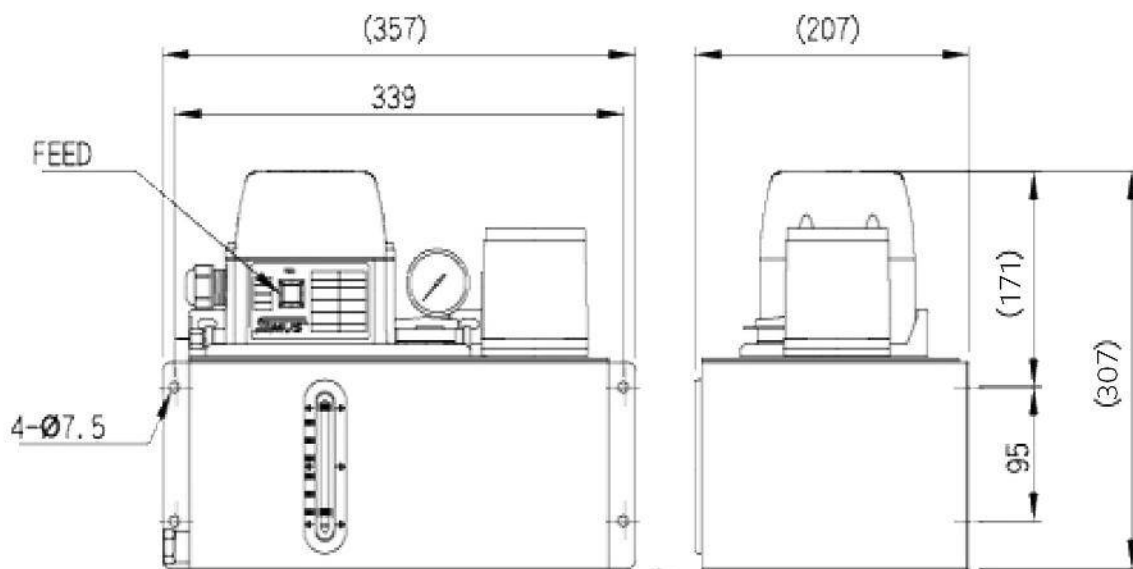
| MODEL                                                 | SM SST-J2                                        |
|-------------------------------------------------------|--------------------------------------------------|
| Single Phase Voltage                                  | 110V/60Hz o 220V/60Hz                            |
| Power Consumption (Watts)                             | 56.00                                            |
| Output Power (Watts)                                  | 25.00                                            |
| Output Terminal Capacity (Amp)                        | 0.30 (FLOATING SWITCH)<br>5.00 (PRESSURE SWITCH) |
| Lubrication Period                                    | Cooperates with PLC Control System               |
| Intermittent Period                                   | Cooperates with PLC Control System               |
| Exit Direction                                        | Left                                             |
| Outlet Diameter                                       | Ø4   Ø6                                          |
| Maximum outlet pressure [ Mpa(Kgf/cm <sup>2</sup> ) ] | 2.00 (20.00)                                     |
| Output Volume (cc/min)                                | 150.00                                           |
| Pressure Release Device                               | Includo                                          |
| Flotation System                                      | Includo                                          |
| Pressure Switch (Kgf/cm <sup>2</sup> )                | 12.00 ~ 9.00 (NC)                                |
| Pressure Gauge                                        | Includo                                          |
| Oil Tank Capacity (Liters)                            | 8.00L (P)                                        |

\* (P) Plastic oil tank.  
 \*\*Oil viscosity at 40° C: 30 ~ 450 cSt.  
 \*\*\*The outlet volume and maximum outlet pressure above is based on an oil viscosity of 68 cSt.  
 \*\*\*\*Standard output volume is based on 60Hz current. At 110V | 220V.

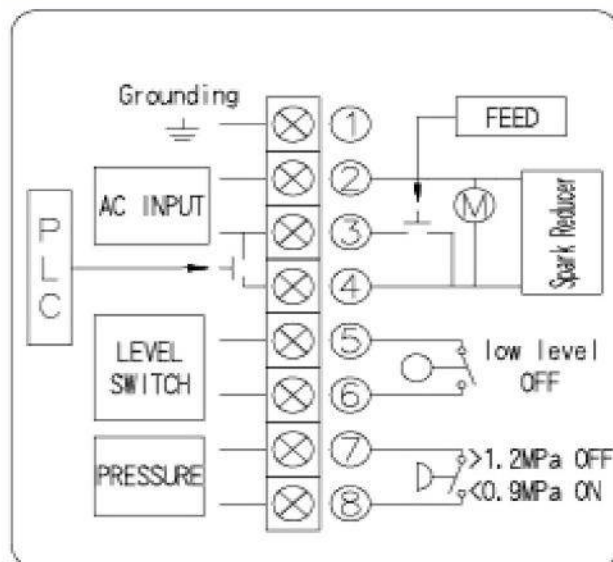


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## WIRE DIAGRAM SM SST-J2



# SM SST-J2

## PISTON OIL LUBRICATING SYSTEM

(10 LITER CONFIGURATION)



## Characteristics & Dimensions

| MODEL                                                 | SM SST-J2                                        |
|-------------------------------------------------------|--------------------------------------------------|
| Single Phase Voltage                                  | 110V/60Hz o 220V/60Hz                            |
| Power Consumption (Watts)                             | 56.00                                            |
| Output Power (Watts)                                  | 25.00                                            |
| Output Terminal Capacity (Amp)                        | 0.30 (FLOATING SWITCH)<br>5.00 (PRESSURE SWITCH) |
| Lubrication Period                                    | Cooperates with PLC Control System               |
| Intermittent Period                                   | Cooperates with PLC Control System               |
| Exit Direction                                        | Left                                             |
| Outlet Diameter                                       | Ø4   Ø6                                          |
| Maximum outlet pressure [ Mpa(Kgf/cm <sup>2</sup> ) ] | 2.00 (20.00)                                     |
| Output Volume (cc/min)                                | 150.00                                           |
| Pressure Release Device                               | Includo                                          |
| Flotation System                                      | Includo                                          |
| Pressure Switch (Kgf/cm <sup>2</sup> )                | 12.00 ~ 9.00 (NC)                                |
| Pressure Gauge                                        | Includo                                          |
| Oil Tank Capacity (Liters)                            | 10.00L (P)                                       |

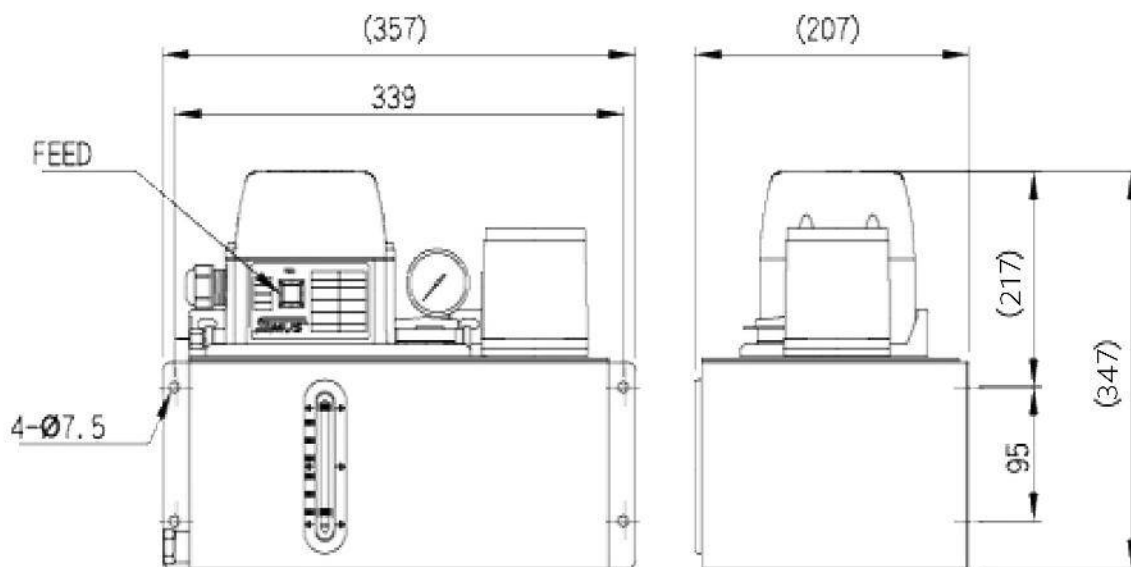
\* (P) Plastic oil tank.  
 \*\*Oil viscosity at 40° C: 30 ~ 450 cSt.  
 \*\*\*The outlet volume and maximum outlet pressure above is based on an oil viscosity of 68 cSt.  
 \*\*\*\*Standard output volume is based on 60Hz current. At 110V | 220V.



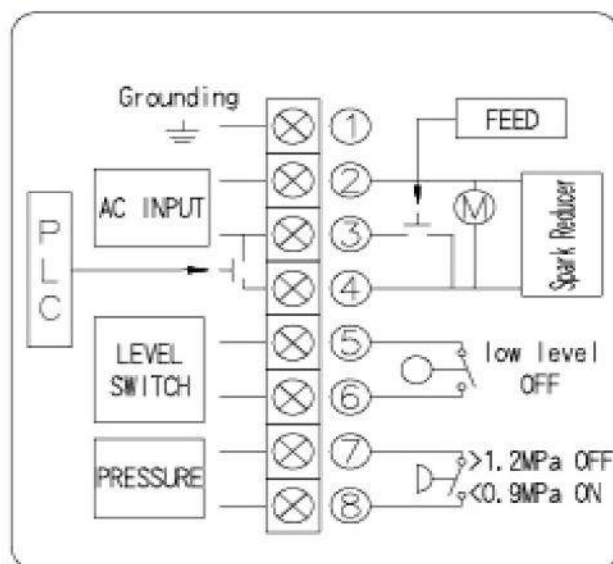


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## WIRE DIAGRAM SM SST-J2



# SM SST-J2

## PISTON OIL LUBRICATING SYSTEM

(20 LITER CONFIGURATION)



## Characteristics & Dimensions

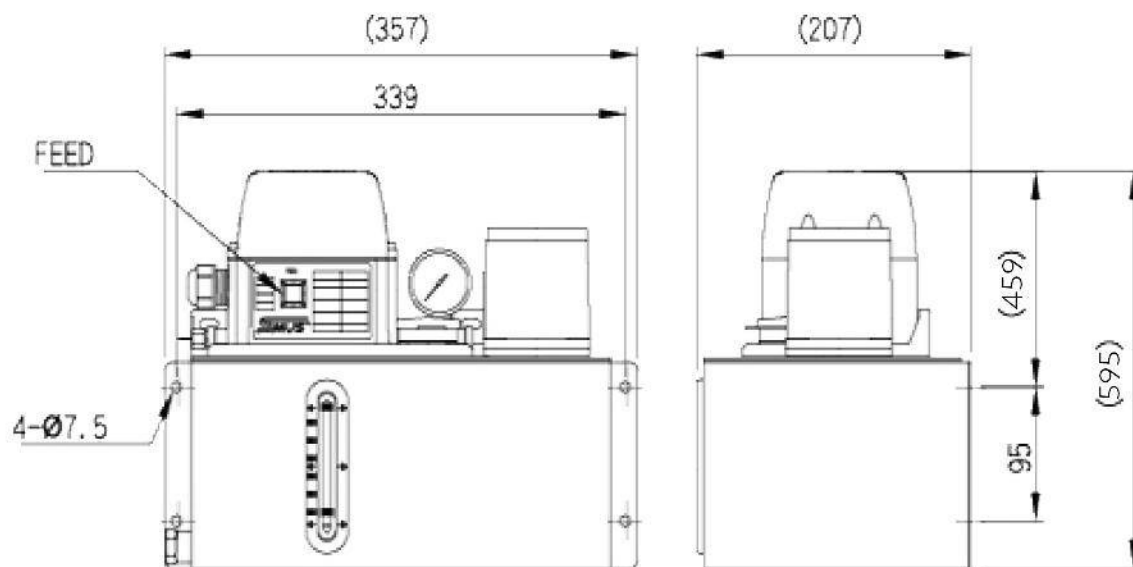
| MODEL                                                 | SM SST-J2                                        |
|-------------------------------------------------------|--------------------------------------------------|
| Single Phase Voltage                                  | 110V/60Hz o 220V/60Hz                            |
| Power Consumption (Watts)                             | 56.00                                            |
| Output Power (Watts)                                  | 25.00                                            |
| Output Terminal Capacity (Amp)                        | 0.30 (FLOATING SWITCH)<br>5.00 (PRESSURE SWITCH) |
| Lubrication Period                                    | Cooperates with PLC Control System               |
| Intermittent Period                                   | Cooperates with PLC Control System               |
| Exit Direction                                        | Left                                             |
| Outlet Diameter                                       | Ø4   Ø6                                          |
| Maximum outlet pressure [ Mpa(Kgf/cm <sup>2</sup> ) ] | 2.00 (20.00)                                     |
| Output Volume (cc/min)                                | 150.00                                           |
| Pressure Release Device                               | Includo                                          |
| Flotation System                                      | Includo                                          |
| Pressure Switch (Kgf/cm <sup>2</sup> )                | 12.00 ~ 9.00 (NC)                                |
| Pressure Gauge                                        | Includo                                          |
| Oil Tank Capacity (Liters)                            | 20.00L (P)                                       |

\* (P) Plastic oil tank.  
 \*\*Oil viscosity at 40° C: 30 ~ 450 cSt.  
 \*\*\*The outlet volume and maximum outlet pressure above is based on an oil viscosity of 68 cSt.  
 \*\*\*\*Standard output volume is based on 60Hz current. At 110V | 220V.



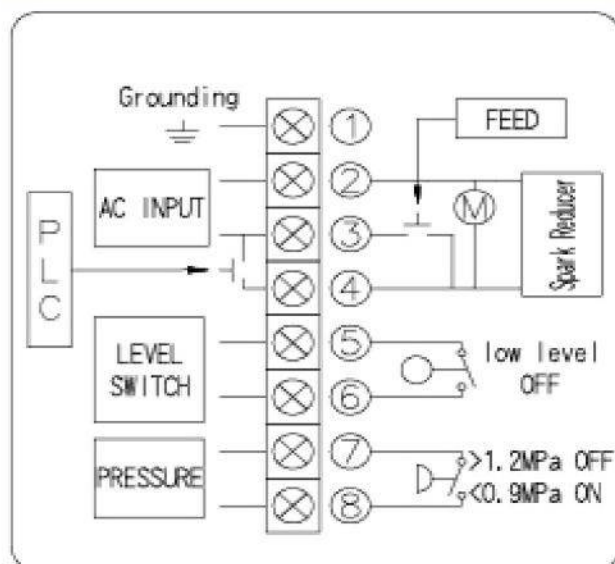
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## WIRE DIAGRAM SM SST-J2





# 4Man

*Elements For Manufa*



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