



**TPC Mechatronics Corp.**



**Solution Innovation**

## **News Letter No.201307-1**

### **1. Improved PCB of RS 1000 VALVE**



#### **1) Changes in function.**

: RS1000 VALVE PCB specification changes from normal non- polar 0.85W to polarity 0.45W(power save)

#### **2) Changes in order format**

- A. VALVE order format
- B. VALVE & BASE order format

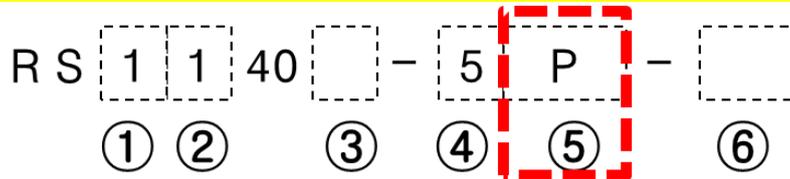
#### **3) NOTICE**

In case of new power-saving PCB(0.45W), coil specifications is separated to + COM and -COM , so it should be specified in the item number.



**TPC Mechatronics Corp.**

## 1-1. Change in the order format of valve



|         |   |        |
|---------|---|--------|
| ①Series | 1 | RS1000 |
|         | 2 | RS2000 |
|         | 4 | RS4000 |

|                      |   |       |
|----------------------|---|-------|
| ⑤Coil specifications | P | + COM |
|                      | N | - COM |

|                      |           |                |                |   |       |
|----------------------|-----------|----------------|----------------|---|-------|
| ③Pilot specification | No Symbol | Internal pilot | ④Rated voltage | 5 | DC24V |
|                      | P         | External pilot |                | 6 | DC12V |

|           |       |                   |
|-----------|-------|-------------------|
| ⑥Manifold | Blank | Without manifold  |
|           | WN    | Manifold attached |

|                   |   |                                   |  |
|-------------------|---|-----------------------------------|--|
| ②Switching method | 1 | 2 position single                 |  |
|                   | 2 | 2 position double                 |  |
|                   | 3 | 3 position closed center          |  |
|                   | 4 | 3 position Exhaust center         |  |
|                   | 5 | 3 position pressure closed center |  |
|                   | 6 | 4 position dual 3 port: NC, NC    |  |
|                   | 7 | 4 position dual 3 port: NO, NO    |  |
|                   | 8 | 4 position dual 3 port: NC, NO    |  |



## 1-2. Change in the order format of VALVE & BASE ASS'Y

R S 1 1 40   B - 5 P - T6 -    
① ② ③ ④ ⑤ ⑥ ⑦

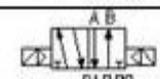
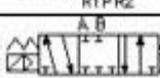
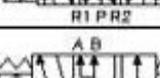
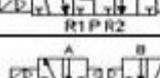
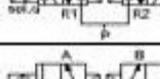
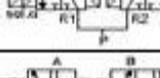
|         |   |        |
|---------|---|--------|
| ①Series | 1 | RS1000 |
|         | 2 | RS2000 |
|         | 4 | RS4000 |

|                      |   |       |
|----------------------|---|-------|
| ⑤Coil specifications | P | + COM |
|                      | N | - COM |

|                      |           |                |
|----------------------|-----------|----------------|
| ③Pilot specification | No Symbol | Internal pilot |
|                      | P         | External pilot |

|                |   |       |
|----------------|---|-------|
| ④Rated voltage | 5 | DC24V |
|                | 6 | DC12V |

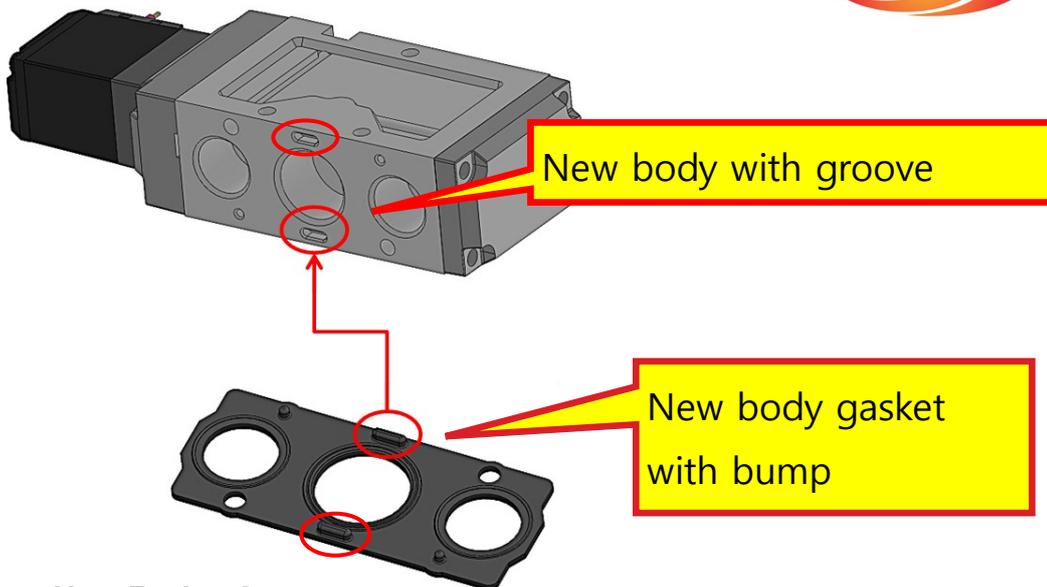
|                                  |           |                   |                            |           |                              |
|----------------------------------|-----------|-------------------|----------------------------|-----------|------------------------------|
| ⑥Whether mounted on the manifold | No Symbol | Without manifold  | ⑦PCB wiring specifications | No Symbol | Double wiring specifications |
|                                  | WN        | Mounting manifold |                            | S         | Single wiring specification  |

|                   |   |                                   |  |
|-------------------|---|-----------------------------------|--|
| ②Switching method | 1 | 2 position single                 |  |
|                   | 2 | 2 position double                 |  |
|                   | 3 | 3 position closed center          |  |
|                   | 4 | 3 position Exhaust center         |  |
|                   | 5 | 3 position pressure closed center |  |
|                   | 6 | 4 position dual 3 port: NC, NC    |  |
|                   | 7 | 4 position dual 3 port: NO, NO    |  |
|                   | 8 | 4 position dual 3 port: NC, NO    |  |



## 2. Improved body and manifold for DS3000 and DS5000 series

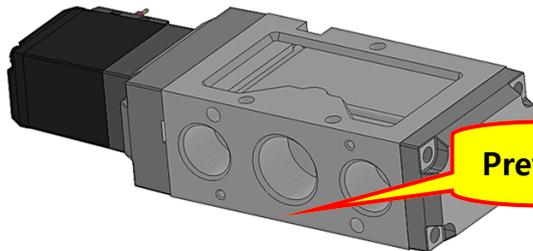
► New body + New manifold



- ⊙ New Body : 2 grooves
- ⊙ New Manifold Gasket : 2 bumps
- ⊙ Improvement : preventing extrusion of gasket by high pressure
- ⊙ How to use: same as existing valve.

👉 New body + **Previous gasket** can be used together.

< **Previous Body + New gasket** >



Previous body with no groove.



The bumps on the new gas-  
ket should be removed.

**Note :** To use previous body and new gasket together,  
the bumps on the new gasket should be removed.

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