**GENERAL**

This General Specifications (GS) sheet is for the special model DY/Z for high pressure fluid measurement. Please use this GS with our standard GS 01F06A00-01E and GS01F06F01-01E. This GS mainly shows the different specifications from the standard ones.

**FEATURES**
- Available sizes: 25mm to 200mm (Inner diameter become one size smaller at Sch160.)
- Accuracy: Refer to one smaller size diameter in the standard GS.
- Applicable to high pressure fluid.
- Highly-reliable body material of bar or forging.

**MODEL AND SUFFIX CODE**

<table>
<thead>
<tr>
<th>Model</th>
<th>Suffix Codes</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DY025</td>
<td></td>
<td>Size 25 mm (1inch)</td>
</tr>
<tr>
<td>DY040</td>
<td></td>
<td>Size 40 mm (1-1/2 inch)</td>
</tr>
<tr>
<td>DY050</td>
<td></td>
<td>Size 50 mm (2 inch)</td>
</tr>
<tr>
<td>DY080</td>
<td></td>
<td>Size 80 mm (3 inch)</td>
</tr>
<tr>
<td>DY100</td>
<td></td>
<td>Size100 mm (4 inch)</td>
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<tr>
<td>DY150</td>
<td></td>
<td>Size 150 mm (6 inch)</td>
</tr>
<tr>
<td>DY200</td>
<td></td>
<td>Size 200 mm (8 inch)</td>
</tr>
<tr>
<td></td>
<td>-D</td>
<td>4 to 20 mA DC, Pulse, BRAIN Communication</td>
</tr>
<tr>
<td></td>
<td>-E</td>
<td>4 to 20 mA DC, Pulse, HART Communication</td>
</tr>
<tr>
<td></td>
<td>-F</td>
<td>Digital Communication (FOUNDATION Fieldbus protocol)</td>
</tr>
<tr>
<td></td>
<td>-N</td>
<td>Remote type detector</td>
</tr>
<tr>
<td>Body Material</td>
<td>Z</td>
<td>ASTM F316, JIS SUS F316 or JIS SUS316</td>
</tr>
<tr>
<td>Shedder bar Material</td>
<td>L</td>
<td>Duplex Stainless Steel</td>
</tr>
<tr>
<td></td>
<td>X</td>
<td>Others</td>
</tr>
<tr>
<td>Process Connection</td>
<td>BA6</td>
<td>ANSI Class 1500 Flange (RF)</td>
</tr>
<tr>
<td></td>
<td>CA6</td>
<td>ANSI Class 1500 Flange (RJ)</td>
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<tr>
<td>Electrical Connection</td>
<td>-0</td>
<td>JIS G 1/2 Female</td>
</tr>
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<td></td>
<td>-2</td>
<td>ANSI 1/2 NPT Female</td>
</tr>
<tr>
<td></td>
<td>-4</td>
<td>ISO M20x1.5 Female</td>
</tr>
<tr>
<td>Indicator</td>
<td>D</td>
<td>With Indicator</td>
</tr>
<tr>
<td></td>
<td>N</td>
<td>None Indicator, Remote type detector</td>
</tr>
<tr>
<td>Options</td>
<td>/</td>
<td>Refer to the Standard GS.</td>
</tr>
</tbody>
</table>
EXTERNAL DIMENSIONS

- The dimensions except described below conform to the general specifications.
- The internal dimension becomes one size smaller.
- The dimension of process pipe schedule becomes to Sch160 unless specified at ordering.
- Figure and dimension vary by options.

**DY025 ANSI Class1500 RF (for Sch160 pipe)**

**DY025 ANSI Class1500 RJ**
## DY040 ANSI Class1500 RF

![Diagram of DY040 ANSI Class1500 RF]

**Unit:** mm (inch)

### Electrical Connection

- **EARTH TERMINAL**
- **WITH INDICATOR**
- **LOCK**

### Dimensions

- **ø124 (4.88)**
- **ø25.7 (1)**
- **ø94 (3.7)**
- **ø28.5 (1.1)**
- **4-ø28.5 (1.1)**
- **74 (2.9)**
- **59 (2.32)**
- **4.5 (0.18)**
- **59 (2.32)**

## DY040 ANSI Class1500 RJ

![Diagram of DY040 ANSI Class1500 RJ]

**Unit:** mm (inch)

### Electrical Connection

- **EARTH TERMINAL**
- **WITH INDICATOR**
- **LOCK**

### Dimensions

- **ø124 (4.88)**
- **ø25.7 (1)**
- **ø94 (3.7)**
- **ø28.5 (1.1)**
- **4-ø28.5 (1.1)**
- **74 (2.9)**
- **59 (2.32)**
- **4.5 (0.18)**

**Groove No.R20**
DY050 ANSI Class1500 RF Flange

WITH INDICATOR

EARTH TERMINAL

Unit: mm (inch)

DY050 ANSI Class1500 RJ

WITH INDICATOR

EARTH TERMINAL

Unit: mm (inch)
DY080 ANSI Class1500 RF Flange

Unit: mm (inch)

DY080 ANSI Class1500 RJ

Unit: mm (inch)
DY100 ANSI Class 1500 RF

DY100 ANSI Class 1500 RJ

Unit: mm (inch)
DY150 ANSI Class 1500 RF

DY150 ANSI Class 1500 RJ

Groove No. R46
DY200 ANSI Class1500 RF

74 (2.91) 59 (2.32) 4.5 (0.18) WITH INDICATOR

EARTH TERMINAL

125 (4.92) WITH INDICATOR

Unit: mm (inch)

DY200 ANSI Class1500 RJ

74 (2.91) 59 (2.32) 4.5 (0.18) WITH INDICATOR

EARTH TERMINAL

125 (4.92) WITH INDICATOR

Unit: mm (inch)