



## 高性能パイロット型電磁弁

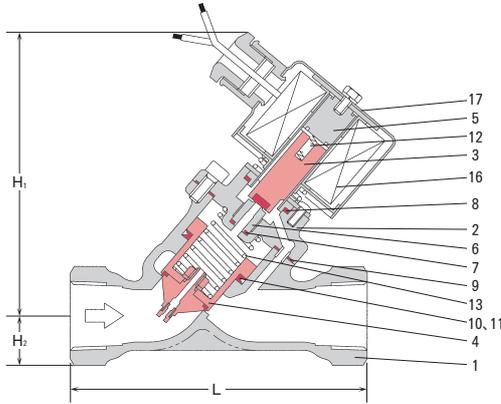
High Quality, Long Life Type Solenoid Valve

2WAY

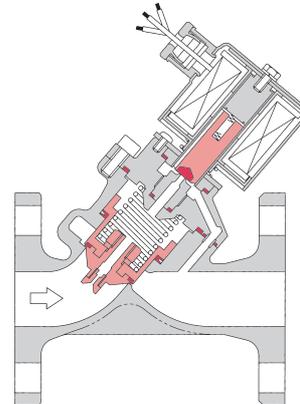
動作 (Operation) :  
 通電時開型 (Normally Closed)  
 通電時閉型 (Normally Open)

●大流量、中高圧ラインの制御に最適です。

●Best type for large quantity of flow & mid-high pressure control.

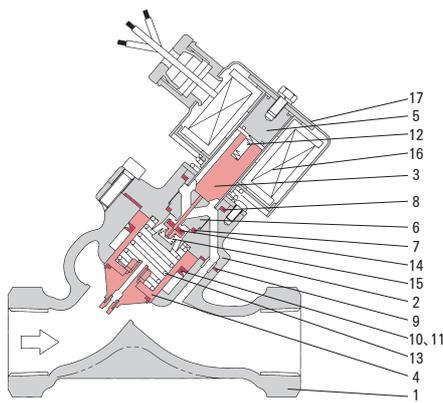


ネジ込み型 Screw Type

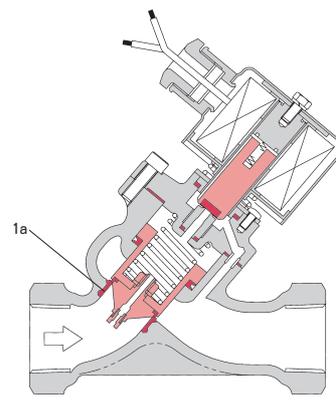


フランジ型 Flange Type

通電時開型 Normally Closed



通電時閉型 Normally Open



タフシート付 Stainless Seat

### ■ 主要部品表 Main Parts List

| No. | 名称<br>Name of Parts                 | 材 質 Materials         |                   |               |                    |                     |                   |               |                    |
|-----|-------------------------------------|-----------------------|-------------------|---------------|--------------------|---------------------|-------------------|---------------|--------------------|
|     |                                     | 通電時開型 Normally Closed |                   |               |                    | 通電時閉型 Normally Open |                   |               |                    |
|     |                                     | 常温用<br>10~25A         | MAX60°C<br>32~80A | 高温用<br>10~25A | MAX200°C<br>32~80A | 常温用<br>10~25A       | MAX60°C<br>32~80A | 高温用<br>10~25A | MAX200°C<br>32~80A |
| 1   | ボデー Valve Body                      | CAC406                |                   |               |                    |                     |                   |               |                    |
| 1a  | タフシート Stainless Seat                | SUS304 ※              |                   |               |                    |                     |                   |               |                    |
| 2   | バルブボンネット Valve Bonnet               | CAC406                |                   |               |                    |                     |                   |               |                    |
| 3   | プランジャー Plunger                      | SUS410+FKM            |                   | SUS410+PTFE   |                    | SUS410              |                   |               |                    |
| 4   | メインバルブAssy Main Valve Assy          | SUS304+PTFE           | CAC406+PTFE       | SUS304+PTFE   | CAC406+PTFE        | SUS304+PTFE         | CAC406+PTFE       | SUS304+PTFE   | CAC406+PTFE        |
| 5   | バックレスAssy Packless Assy             | SUS410+SUS304         |                   |               |                    |                     |                   |               |                    |
| 6   | バイパスシート By-pass Seat                | SUS304                |                   |               |                    |                     |                   |               |                    |
| 7   | バイパスシートパッキン By-pass Seat Packing    | NBR                   |                   | PTFE          |                    | NBR                 |                   | PTFE          |                    |
| 8   | バックレスパッキン Packless Packing          | NBR                   |                   | PTFE          |                    | NBR                 |                   | PTFE          |                    |
| 9   | ボデーパッキン Body Packing                | NBR                   |                   | PTFE          |                    | NBR                 |                   | PTFE          |                    |
| 10  | Vリング VRing                          | FKM                   |                   | -             |                    | FKM                 |                   | -             |                    |
| 11  | Kリング+リリーフスプリング KRing+Relieve Spring | -                     |                   | PTFE+SUS304   |                    | -                   |                   | PTFE+SUS304   |                    |
| 12  | プランジャースプリング Plunger Spring          | SUS304                |                   |               |                    |                     |                   |               |                    |
| 13  | メインバルブスプリング Main Valve Spring       | SUS304                |                   |               |                    |                     |                   |               |                    |
| 14  | ニードルバルブAssy Needle Valve Assy       | -                     |                   |               |                    | SUS304+FKM          |                   | SUS304+PTFE   |                    |
| 15  | ニードルバルブスプリング Needle Valve Spring    | -                     |                   |               |                    | SUS304              |                   |               |                    |
| 16  | コイル Coil                            | PEW                   |                   |               |                    |                     |                   |               |                    |
| 17  | コイルボンネット Coil Bonnet                | SPC+塗装 (Coating)      |                   |               |                    |                     |                   |               |                    |

※ タフシートはタフシート付製品にのみ、ボデー弁座部に埋め込まれております。10~50Aまでの製作となります。

※ Stainless seat is embedded in the valve seat of the body only for the product with the Stainless seat. And the available size is from 10A to 50A.

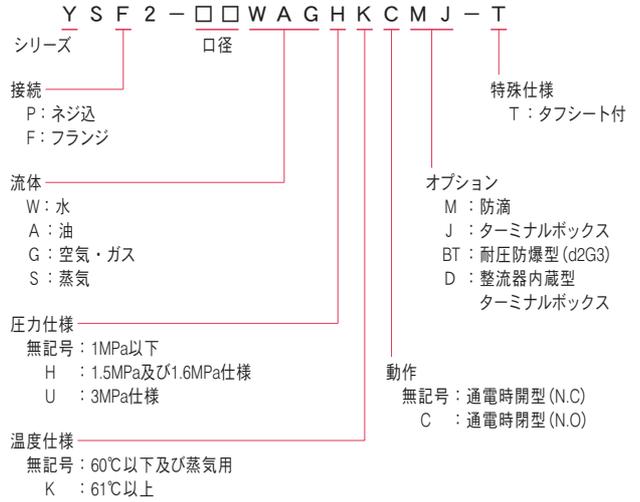
## ■ 共通仕様 Common Specification

| 項目<br>Item                        | 内容<br>Description   |          |           |           |             |
|-----------------------------------|---|----------|-----------|-----------|-------------|
| 流体<br>Fluid                       | 水<br>Water  | 油<br>Oil | 空気<br>Air | ガス<br>Gas | 蒸気<br>Steam |
| 流体温度<br>Fluid Temperature         | MAX60°C   |          |           | MAX200°C  |             |
| 電源<br>Power Source                | AC100V 50/60Hz, AC110V 60Hz or AC200V 50/60Hz, AC220V 60Hz  |          |           |           |             |
| 絶縁種別<br>Class                     | F class   |          | H class   |           |             |
| 流体粘度<br>Fluid Viscosity           | 50mm <sup>2</sup> /s (50cst)  |          |           |           |             |
| 取付姿勢<br>Installation              | 鉛直±90° A Coil Vertical ±90°   |          |           |           |             |
| 動作<br>Operation                   | 通電時開型 or 通電時閉型<br>Normally Closed or Normally Open ※  |          |           |           |             |
| 周囲温度・湿度<br>Ambient Temp./Humidity | 0~50°C RH90%以下 RH90% or less  |          |           |           |             |
| オプション<br>Option                   | 防滴、ターミナルボックス、耐圧防爆 (d2G3) その他の電源<br>Drip-proof Type, Terminal Box, Explosion-proof Type Other above Power Source |          |           |           |             |

※ 通電時閉型につきまして、圧力0.1~3MPa仕様の製作は10~25Aまでとなります。32A以上は製作しておりません。

※ About normally open type, the fabrication of pressure range (0.1~3MPa) is for the size 10A to 25A. Not manufactured for over 32A.

## ■ 製品の型式記号 Model Type



## ■ 仕様 Valve Specification

| 型式<br>Model | 接続<br>Connection |                  | オリフィス<br>Orifice<br>φ [mm] | コイル<br>Coil No. |               | 最低作動差圧<br>Min. Operating Pressure ΔP [MPa] | 使用圧力範囲<br>Pressure Range [MPa] | 皮相電力 [VA±10%]<br>Apparent Power |                              | Cv値<br>Cv Value | 寸法 [mm]<br>Dimensions |                |                | 質量<br>Weight [kg] |
|-------------|------------------|------------------|----------------------------|-----------------|---------------|--|--------------------------------|---------------------------------|------------------------------|-----------------|-----------------------|----------------|----------------|-------------------|
|             | 口径<br>Size       | 形状<br>Type       |                            | Water Oil       | Air-Gas Steam |  |                                | F Class                         | H Class                      |                 | L                     | H <sub>1</sub> | H <sub>2</sub> |                   |
| YSP2-12     | 3/8              | ネジ込<br>Rc        | 14.6                       | 1.0             |               | 0.03                                       | 0.03~1                         | 22                              | 22                           | 5.7             | 110                   | 125            | 17             | 1.5               |
| YSP2-15     | 1/2              |                  | 110                        | 125             | 17            |  |                                | 1.5                             |                              |                 |                       |                |                |                   |
| YSP2-20     | 3/4              |                  | 20                         | 1.5             |               |  |                                | 9.0                             | 125                          |                 | 135                   | 20             | 2.0            |                   |
| YSP2-25     | 1                |                  | 25                         |                 |               |  |                                | 14.0                            | 140                          |                 | 150                   | 26             | 3.0            |                   |
| YSF2-12     | 3/8              | フランジ<br>JIS10KFF | 15                         | 1.0             |               | 0.03                                       | 0.03~1                         | 22                              | 22                           | 5.7             | 125                   | 125            | 45             | 2.5               |
| YSF2-15     | 1/2              |                  | 20                         | 1.5             |               |  |                                | 9.0                             | 130                          |                 | 135                   | 50             | 3.0            |                   |
| YSF2-20     | 3/4              |                  | 25                         |                 |               |  |                                | 14.0                            | 145                          |                 | 150                   | 62.5           | 5.0            |                   |
| YSF2-25     | 1                |                  | 35                         | 2.0             |               |  |                                | 25.0                            | 170                          |                 | 180                   | 67.5           | 8.0            |                   |
| YSF2-32     | 1 1/4            |                  | 40                         |                 |               |  |                                | 32.0                            | 180                          |                 | 185                   | 70             | 9.0            |                   |
| YSF2-40     | 1 1/2            |                  | 50                         |                 |               |  |                                | 51.0                            | 220                          |                 | 210                   | 77.5           | 13.0           |                   |
| YSF2-50     | 2                |                  | 70                         | 2.0             |               |  |                                | 4.0                             | 96.0                         |                 | 250                   | 235            | 87.5           | 23.0              |
| YSF2-65     | 2 1/2            |                  | 80                         |                 |               |  |                                | 131.0                           | 280                          |                 | 250                   | 92.5           | 28.0           |                   |
| YSF2-80     | 3                |                  |                            |                 |               |  |                                |                                 |                              |                 |                       |                |                |                   |
| YSP2-12H    | 3/8              |                  | ネジ込<br>Rc                  | 15              | 1.5           |  |                                | 0.03                            | WAG : 0.03~2<br>S : 0.03~1.6 |                 | 26                    | 26             | 5.7            | 110               |
| YSP2-15H    | 1/2              | 20               |                            |                 |               | 9.0  | 125                            |                                 |                              | 135             | 20                    | 2.0            |                |                   |
| YSP2-20H    | 3/4              | 25               |                            |                 |               | 14.0                                       | 140                            |                                 |                              | 150             | 26                    | 3.0            |                |                   |
| YSP2-25H    | 1                |                  |                            |                 |               |  |                                |                                 |                              |                 |                       |                |                |                   |
| YSF2-12H    | 3/8              | フランジ<br>JIS10KFF | 14.6                       | 1.5             |               | 0.03                                       | WAG : 0.03~1.5<br>S : 0.03~1.6 | 26                              | 26                           | 5.7             | 125                   | 125            | 45             | 2.5               |
| YSF2-15H    | 1/2              |                  | 20                         | 4.0             |               |  |                                | 9.0                             | 130                          |                 | 135                   | 50             | 3.0            |                   |
| YSF2-20H    | 3/4              |                  | 25                         |                 |               |  |                                | 14.0                            | 145                          |                 | 150                   | 62.5           | 5.0            |                   |
| YSF2-25H    | 1                |                  | 35                         |                 |               |  |                                | 25.0                            | 170                          |                 | 180                   | 67.5           | 8.0            |                   |
| YSF2-32H    | 1 1/4            |                  | 40                         |                 |               |  |                                | 32.0                            | 180                          |                 | 185                   | 70             | 9.0            |                   |
| YSF2-40H    | 1 1/2            |                  | 50                         |                 |               |  |                                | 51.0                            | 220                          |                 | 210                   | 77.5           | 13.0           |                   |
| YSF2-50H    | 2                |                  | 70                         | 1.5             |               |  |                                | 96.0                            | 250                          |                 | 235                   | 87.5           | 23.0           |                   |
| YSF2-70H    | 2 1/2            |                  | 80                         |                 |               |  |                                | 131.0                           | 284                          |                 | 250                   | 100            | 28.0           |                   |
| YSF2-80H    | 3                |                  |                            |                 |               |  |                                |                                 |                              |                 |                       |                |                |                   |
| YSP2-12U    | 3/8              |                  | ネジ込<br>Rc                  | 15              | 2.0           |  |                                | 0.1                             | 0.1~3 ※                      |                 | 29                    | 42             | 5.7            | 110               |
| YSP2-15U    | 1/2              | 20               |                            |                 |               | 9.0  | 125                            |                                 |                              | 135             | 20                    | 2.0            |                |                   |
| YSP2-20U    | 3/4              | 25               |                            |                 |               | 14.0                                       | 140                            |                                 |                              | 150             | 26                    | 3.0            |                |                   |
| YSP2-25U    | 1                |                  |                            |                 |               |  |                                |                                 |                              |                 |                       |                |                |                   |
| YSF2-12U    | 3/8              | フランジ<br>JIS30KFF | 14.6                       | 2.0             |               | 0.1  | 0.1~3 ※                        | 29                              | 42                           | 5.7             | 133                   | 135            | 55             | 2.5               |
| YSF2-15U    | 1/2              |                  | 20                         |                 |               |  |                                | 9.0                             | 138                          |                 | 180                   | 60             | 3.0            |                   |
| YSF2-20U    | 3/4              |                  | 25                         |                 |               |  |                                | 14.0                            | 157                          |                 | 195                   | 65             | 5.0            |                   |
| YSF2-25U    | 1                |                  | 35                         | 4.0             |               |  |                                | 25.0                            | 182                          |                 | 180                   | 70             | 8.0            |                   |
| YSF2-35U    | 1 1/4            |                  | 40                         |                 |               |  |                                | 32.0                            | 192                          |                 | 185                   | 80             | 9.0            |                   |
| YSF2-40U    | 1 1/2            |                  | 50                         | 7.0             |               |  |                                | 51.0                            | 232                          |                 | 255                   | 82.5           | 13.0           |                   |
| YSF2-50UD   | 2                |                  | 70                         |                 |               |  |                                | 96.0                            | 272                          |                 | 235                   | 100            | 23.0           |                   |
| YSF2-70U    | 2 1/2            |                  | 80                         | 1.5             |               |  |                                | 131.0                           | 306                          |                 | 250                   | 105            | 28.0           |                   |
| YSF2-80U    | 3                |                  |                            |                 |               |  |                                |                                 |                              |                 |                       |                |                |                   |

※ Y-Uタイプ (圧力0.1~3MPa仕様) につきまして、蒸気用は製作しておりません。

※ Y-Uタイプ (圧力0.1~3MPa仕様) につきまして、空気用の製作は10~25Aまでとなります。32A以上は製作しておりません。

※ About Y-U type (pressure 0.1~0.3MPa) :

・ Not manufactured for steam.

・ The fabrication for air is for the size 10A to 25A, not manufactured for over 32A.