

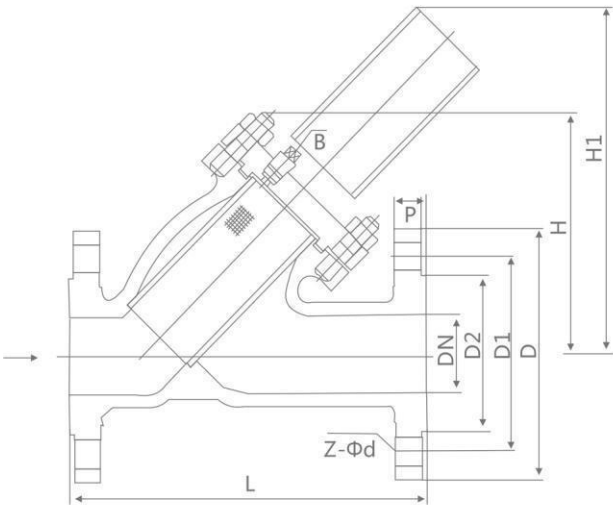
# 国标Y型过滤器 GB Y type filter

GL41W-<sup>16</sup>/<sub>2.5</sub>C/P/R  
<sub>4.0</sub>

## 产品概述Products overview

Y型过滤器是输送介质的管道系统不可缺少的一种过滤装置,Y型过滤器通常安装在减压阀、泄压阀、定水位阀或其它设备的进口端,用来清除介质中的杂质,以保护阀门及设备的正常使用。Y型过滤器具有结构先进,阻力小,排污方便等特点。Y型过滤器适用介质可为水、油、气。一般通水网为18~30目,通气网为10~100目,通油网为100~480目。篮式过滤器主要由接管、主管、滤篮、法兰、法兰盖及紧固件等组成。当液体通过主管进入滤篮后 固体杂质颗粒被阻挡在滤篮内,而洁净的流体通过滤篮、由过滤器出口排出。

Y type filter is the medium of pipeline system is indispensable to a filtering device, Y type strainer is usually installed in a reducing valve, relief valve and the inlet water valve or other equipment, used to remove the impurity in the medium, in order to protect the valves and equipment normal use. Y type filter has the advanced structure, small resistance and easy drainage, etc. Y type filter suitable medium for water, oil and gas. Generally water network are 18 ~ 30 mu, ventilation network are 10 ~ 100 mesh, oil network 100 ~ 480 mesh. Basket strainer is mainly composed of takeover, director, filter blue, flange, flange cover, and fasteners, etc. When the liquid by supervisor into the filter can solid impurity particles will be blocked after blue within the blue filter, and clean fluid through the blue filter, the filter outlet.



## 基本参数

介质温度：300(℃)  
工作压差：2KG  
材质：不锈钢  
产品别名：Y型过滤器  
适用范围：液体过滤  
连接形式：法兰  
类型：直角式  
流动方向：单向  
适用介质：水  
压力环境：常压

## Basic parameters

Medium temperature: 300 ℃)  
Working pressure difference: 2 kg  
Material: stainless steel  
Product alias: Y type filter  
Scope of application: liquid filtration  
Connection: flange  
Type: the right Angle  
Flow direction: one way  
Applicable medium: water  
Pressure: the atmospheric pressure

## 产品执行标准 Production enforce standard

| 产品规范<br>Product Specification | 设计规范<br>Design Spec | 结构长度<br>Face to Face | 连接法兰<br>Flange End | 试验与检验<br>Test & Check | 产品标识<br>Marking | 供货规范<br>Supply |
|-------------------------------|---------------------|----------------------|--------------------|-----------------------|-----------------|----------------|
|                               | GB/T 21637          | GB/T 12221           | JB/T79             | JB/T 9092             | GB/T 12220      | JB/T 7928      |

## 产品性能规范 Chief property and specification

| 型号<br>Type | 连接方式<br>Conjunction method | 公称压力<br>PN(MPa) | 耐压试验压力<br>(MPa) | 工作压力<br>(MPa) | 壳体材料<br>Material          | 过滤网材料<br>Strainer material | 网总面积  |
|------------|----------------------------|-----------------|-----------------|---------------|---------------------------|----------------------------|-------|
| SY4P-10    | 法兰Flange                   | 1.0             | 1.1             | 1.0           | 灰铸铁<br>Cast ferrosteeel   | 不锈钢<br>Stainless steel     | 3~4DN |
| SY4P-16    | 法兰Flange                   | 1.6             | 1.76            | 1.6           | 球墨铸铁<br>Ductile cast iron |                            |       |
| SY4P-25    | 法兰Flange                   | 2.5             | 2.75            | 2.5           | 碳钢<br>Carbon steel        |                            |       |

## 国标Y型过滤器

### GB Y type filter

#### 主要零件材料 Material for main parts

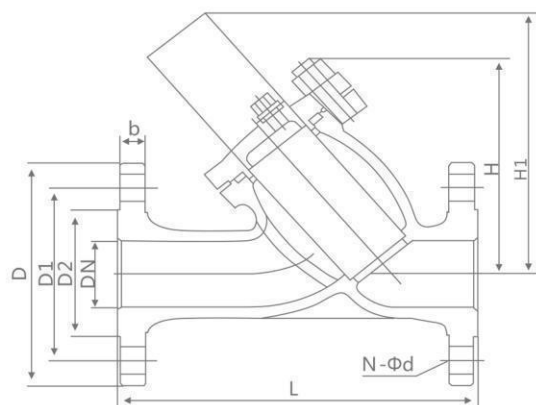
| 零件名称Parts Name          | 零部件材料 Part Material             |     |                    |                |                    |               |
|-------------------------|---------------------------------|-----|--------------------|----------------|--------------------|---------------|
| 阀体/阀盖Body/Bonnet        | 25                              | WCB | CF8                | CF8M           | CF3                | CF3M          |
| 网架Dis/stem              | 25                              | 35  | 1Cr18Ni9Ti         | 1Cr18Ni12Mo2Ti | 00Cr18Ni10         | 00Cr17Ni14Mo2 |
| 滤网Strainet              | 1Cr18Ni9Ti                      |     | 1Cr18Ni9Ti         |                | 00Cr18Ni10         |               |
| 垫片Gasket                | 18-8柔性石墨 18-8/Flexible Graphite |     |                    |                |                    |               |
| 螺栓Bolt                  | 35                              |     | 1Cr17Ni2           |                | 1Cr18Ni9Ti         |               |
| 适用温度Suitable temp       | -29~+425℃                       |     | -40~+200℃          |                | -40~+200℃          |               |
| 适用介质<br>Suitable medium | 水、油品、蒸汽<br>Water、Oil、Steam      |     | 硝酸类<br>Nitric Acid |                | 醋酸类<br>Acetic Acid |               |

#### 主要外形和连接尺寸 Main external and connection dimension

| 公称压力<br>PN(MPa) | 公称通径<br>DN(mm) | 尺寸(mm) |     |     |     |      |        |     |
|-----------------|----------------|--------|-----|-----|-----|------|--------|-----|
|                 |                | L      | D   | D1  | D2  | b    | Z-Φd   | H   |
| 1.6MPa          | 15             | 130    | 95  | 65  | 45  | 14-2 | 4-Φ14  | 60  |
|                 | 20             | 145    | 105 | 75  | 55  | 14-2 | 4-Φ14  | 70  |
|                 | 25             | 150    | 115 | 85  | 65  | 14-2 | 4-Φ14  | 70  |
|                 | 32             | 180    | 135 | 100 | 78  | 16-2 | 4-Φ18  | 75  |
|                 | 40             | 200    | 145 | 110 | 85  | 16-3 | 4-Φ18  | 90  |
|                 | 50             | 220    | 160 | 125 | 100 | 16-3 | 4-Φ18  | 105 |
|                 | 65             | 250    | 180 | 145 | 120 | 18-3 | 4-Φ18  | 150 |
|                 | 80             | 280    | 195 | 160 | 135 | 20-3 | 8-Φ18  | 175 |
|                 | 100            | 300    | 215 | 180 | 155 | 20-3 | 8-Φ18  | 200 |
|                 | 125            | 350    | 245 | 210 | 185 | 22-3 | 8-Φ18  | 205 |
|                 | 150            | 380    | 280 | 240 | 210 | 24-3 | 8-Φ23  | 260 |
|                 | 200            | 480    | 335 | 295 | 265 | 26-3 | 12-Φ23 | 300 |
|                 | 250            | 550    | 405 | 355 | 320 | 30-3 | 12-Φ25 | 380 |
|                 | 300            | 610    | 460 | 410 | 375 | 30-4 | 12-Φ25 | 410 |

## 美标法兰Y型过滤器

API Flange Y type filter



NPS≥1 1/2in

### 产品执行标准 Production enforce standard

| 产品规范<br>Product Specification | 设计规范<br>Design Spec | 连接法兰<br>Flange End | 压力-温度<br>Pressure-temperature | 试验与检验<br>Test & Check |
|-------------------------------|---------------------|--------------------|-------------------------------|-----------------------|
|                               | ASME B16.34         | ASME B16.10        | ASME B16.5                    | API 598               |

### 主要零件材料 Main components material

| No. | Parts Name        | Material     |              |              |
|-----|-------------------|--------------|--------------|--------------|
| 1   | 阀体 Body           | ASTM A216WCB | A351-CF8     | A351-CF8M    |
| 2   | 过滤器 Strainer      | SS304        | SS304        | SS316        |
| 3   | 垫片 Gasket         | 304+Graphite | 304+Graphite | 316+Graphite |
| 4   | 阀盖 Bonnet         | ASTM A216WCB | A351-CF8     | A351-CF8M    |
| 5   | 污水螺栓 Sewage bolts | ASTM A105    | SS304        | SS316        |
| 6   | 盖螺栓 Cover Bolt    | ASTM A193 B7 | A193-B8      | A193-B8M     |
| 7   | 盖螺母 Cover Nut     | ASTM A194 2H | A194-8       | A194-8M      |

### 主要连接尺寸(API) Main external dimensions

| 公称型号 Type | 公称通径 DN | d    | L   | o   | C     | N-Φd   | g   | t  |
|-----------|---------|------|-----|-----|-------|--------|-----|----|
| 150Lb     | 1/2"    | 13   | 130 | 90  | 60.3  | 4-16   | 35  | 16 |
|           | 3/4"    | 19   | 150 | 100 | 69.9  | 4-16   | 43  | 18 |
|           | 1"      | 25.4 | 160 | 110 | 79.4  | 4-16   | 51  | 18 |
|           | 1 1/4"  | 32   | 180 | 115 | 88.9  | 4-16   | 64  | 18 |
|           | 1 1/2"  | 38.1 | 200 | 125 | 98.4  | 4-16   | 73  | 18 |
|           | 2"      | 51   | 230 | 150 | 120.7 | 4-19   | 92  | 20 |
|           | 2 1/2"  | 64   | 290 | 180 | 139.7 | 4-19   | 105 | 22 |
|           | 3"      | 76   | 310 | 190 | 152.4 | 4-19   | 127 | 24 |
| 300Lb     | 4"      | 102  | 350 | 230 | 190.5 | 8-19   | 157 | 24 |
|           | 1/2"    | 13   | 130 | 95  | 66.7  | 4-16   | 32  | 16 |
|           | 3/4"    | 19   | 150 | 115 | 82.6  | 4-19   | 43  | 16 |
|           | 1"      | 25.4 | 160 | 125 | 88.9  | 4-19   | 51  | 18 |
|           | 1 1/4"  | 32   | 180 | 135 | 98.4  | 4-19   | 64  | 19 |
|           | 1 1/2"  | 38.1 | 200 | 155 | 114.3 | 4-22.5 | 73  | 21 |
|           | 2"      | 51   | 230 | 165 | 127   | 8-19   | 92  | 23 |
|           | 2 1/2"  | 64   | 290 | 190 | 149.2 | 8-22.5 | 105 | 26 |
|           | 3"      | 76   | 310 | 210 | 168.3 | 8-22.5 | 127 | 29 |
|           | 4"      | 102  | 350 | 255 | 200   | 8-22.5 | 157 | 32 |

注：1.设计与制造符合MFG标准。2.试验与检验符合API598。3.结构长度符合MFG标准。4.法兰尺寸符合ANSI B16.5技术要求。

Note:1.The design & manufacture accords with MFG standard. 2.The test & inspection accords with API598.

3.The length of structure accords with MFG standard. 4.The flange size accords with the technique requirements of ANSI B16.5.