

Series W-JZG44-16Q

Water Pump Diffuser

Size: DN50-DN600

The Watts W-JZG44 Water Pump Diffuser is designed to have elbow, strainers and rectifier function at the same time. It's generally used in chemical industry, metallurgy, water treatment, etc.

Features

- Drastically reduce the installation space
- Big filter area, small water resistance
- Special current plate structure, which can eliminate the turbulent flow and reduce cavitation
- Filter screen is removable for cleaning
- Eliminate noise, stabilize water flow and prolong the service life of the pump

Pressure-Temperature

- Maximum Working Pressure: PN16
- Temperature Range: -20 C - 120 C

Material

| Component | Material |
|----------------------|--|
| Body | Ductile Iron+Epoxy Coated |
| Bonnet | Ductile Iron+Epoxy Coated |
| Punching Hole Meshes | Stainless Steel 304 (Bore diameter:Ø4mm) |
| Rayon Mesh | Stainless Steel 304 (The number of mesh:20) |

Installation Dimensions

| DN1×DN2 DN(mm) | Dimensions (mm) | | | | |
|-------------------|-----------------|-----|-----|-----|-----|
| | L1 | L2 | L3 | L4 | L5 |
| 50×50 | 105 | 120 | 168 | 155 | 205 |
| 65×65 | 115 | 125 | 195 | 165 | 220 |
| 80×80 | 130 | 135 | 220 | 185 | 250 |
| 100×80 | 130 | 135 | 220 | 185 | 250 |
| 100×100 | 145 | 185 | 250 | 230 | 330 |
| 125×100 | 145 | 185 | 250 | 230 | 330 |
| 125×125 | 180 | 230 | 300 | 300 | 400 |
| 150×100 | 145 | 185 | 250 | 230 | 330 |
| 150×125 | 180 | 230 | 300 | 300 | 400 |
| 150×150 | 209 | 220 | 349 | 275 | 380 |
| 200×125 | 205 | 220 | 345 | 275 | 380 |
| 200×150 | 205 | 220 | 345 | 275 | 380 |
| 200×200 | 240 | 280 | 410 | 370 | 501 |

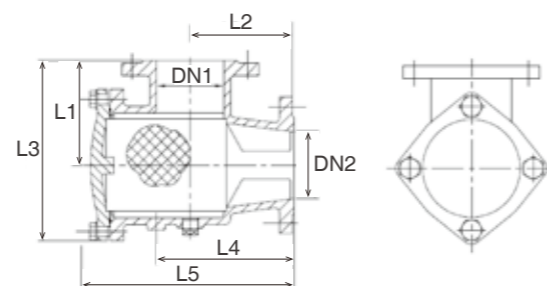


Specification

- Test Standard: GB/T 13927-2008
- Connection Standard: GB/T 17241.6-20
- Working Medium: Water

Operating Principles

Water Pump Diffuser is pump diffuser. After medium enters, the inside filter screen can filter out impurities, according to the direction transformation of elbow, current plate can eliminate the turbulent flow and reduce the cavitation.



| DN1×DN2 DN(mm) | Dimensions (mm) | | | | |
|-------------------|-----------------|-----|------|-----|------|
| | L1 | L2 | L3 | L4 | L5 |
| 250×200 | 240 | 280 | 410 | 370 | 495 |
| 250×250 | 280 | 325 | 470 | 425 | 615 |
| 300×200 | 280 | 325 | 470 | 425 | 625 |
| 300×250 | 280 | 325 | 470 | 425 | 615 |
| 300×300 | 305 | 380 | 545 | 485 | 682 |
| 350×250 | 305 | 380 | 545 | 485 | 692 |
| 350×300 | 308 | 380 | 548 | 485 | 682 |
| 350×350 | 356 | 420 | 636 | 550 | 785 |
| 400×300 | 320 | 380 | 580 | 480 | 695 |
| 400×350 | 356 | 420 | 636 | 550 | 785 |
| 400×400 | 360 | 390 | 640 | 450 | 697 |
| 450×450 | 400 | 440 | 715 | 520 | 784 |
| 500×500 | 460 | 490 | 810 | 550 | 860 |
| 600×600 | 580 | 820 | 1020 | 900 | 1357 |

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Series W-YG11-16P

Stainless Steel Threaded Y Strainer

Size: DN15-DN50

Watts W-YG11-16P is used extensively to strain foreign matter from pipe lines and provide economical protection for costly pumps, meters, valves, and other similar mechanical equipment. The Watts W-YG11-16P stainless steel threaded Y strainer has a wide range of applications in municipal facilities, building construction, water supply engineering, and other similar water supply and drainage systems, which have stringent requirements for water purification. It is an indispensable filtering device in the pipeline system for conveying media.

Features

- High efficiency, accurate filtering
- Simple structure, less maintenance
- Large capacity of pollutants, convenient pollutant discharging

Pressure-Temperature

- Nominal Pressure: PN16
- Temperature Range: -29°C~200°C

Material

| Component | Material | Standard |
|---------------|-----------------|----------|
| Body | Stainless Steel | CF8 |
| Cover | Stainless Steel | CF8 |
| Filter Screen | Stainless Steel | 304 |

Installation Dimensions

| Size DN | Dimensions(mm) | | |
|------------|----------------|------|----|
| | L | H | d |
| 15 | 65 | 38 | 14 |
| 20 | 75 | 45.5 | 18 |
| 25 | 87 | 54 | 22 |
| 32 | 105 | 65.5 | 28 |
| 40 | 120 | 77.5 | 38 |
| 50 | 140 | 95.5 | 48 |



Specification

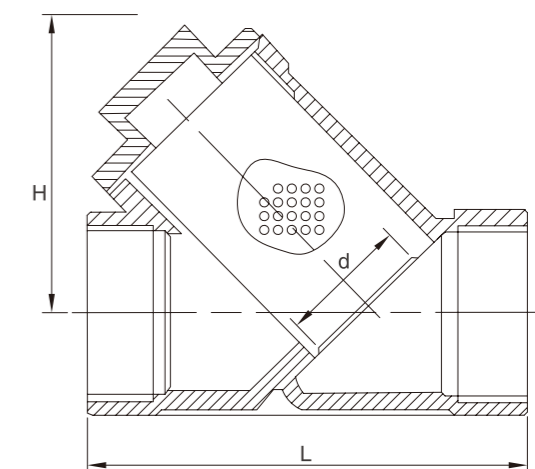
- Test Standard: GB/T 13927-2008
- Connection Standard: GB/T 7307-2001
- Connection Type: Thread Type
- Mesh: 20
- Working Medium: Water

Operating Principles

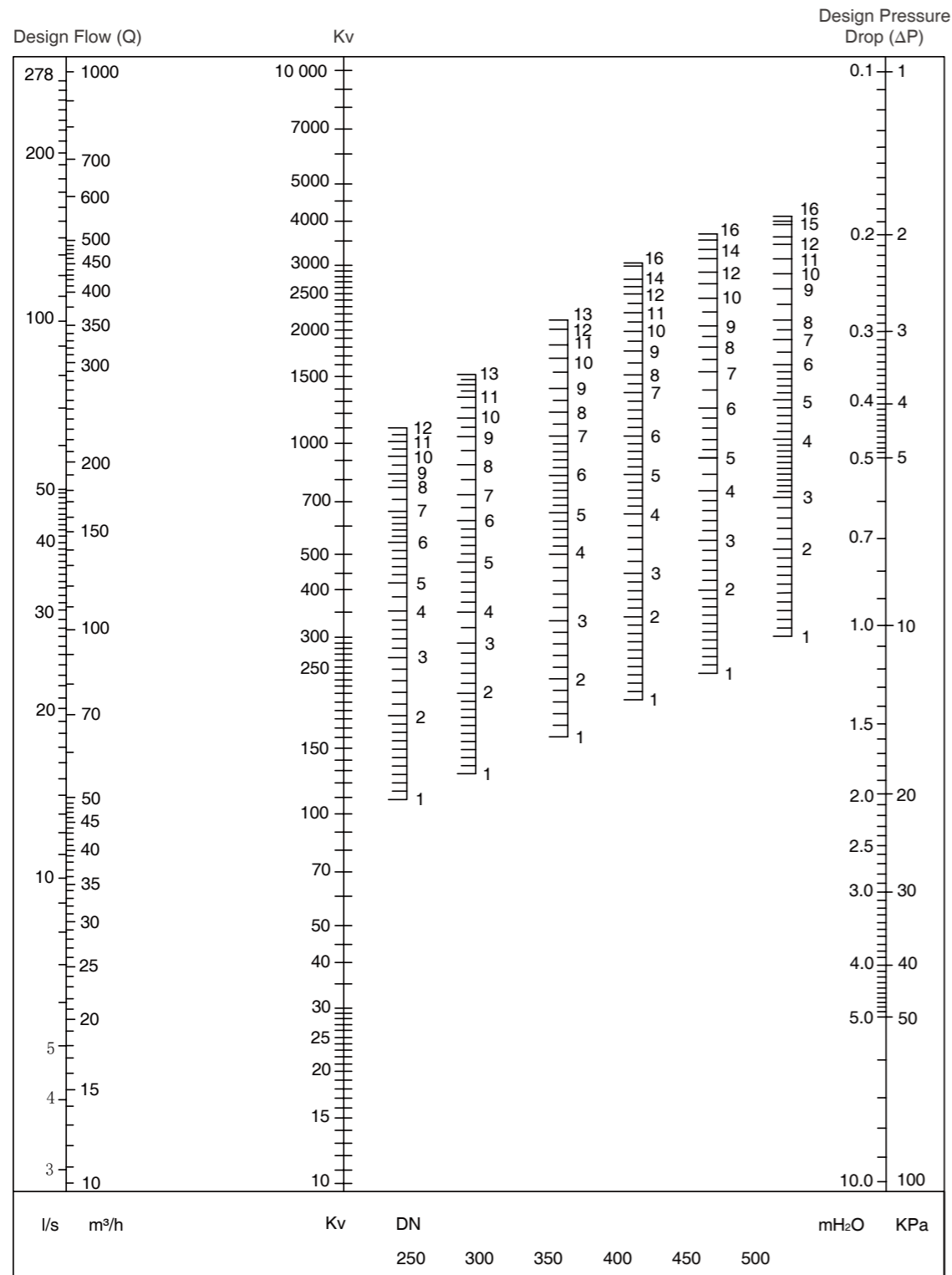
Y strainer is a small device designed to remove a small amount of solid particles in medium. It can protect the normal operation of the equipment.

When the fluid enters the filter cartridge with filter screen of a certain size, the impurities will be held, and the clean media will be discharged through the outlet of Y strainer.

When cleaning is required, just remove and reinstall the removable filter screen after processing. It is extremely convenient to use and maintain.



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For Example

Q: An air conditioning system is equipped with a static balancing valve, with a design flow of 60m³/h and a pressure drop of 10 kPa. Now we need to select a suitable size static balancing valve.

A: As shown in the model selection line diagram, read the position point with q= 60m³/h from the left flow scaleline, and read the position point of 10 kPa from the right pressure drop scale line, and connect the two points with the Kv value scale line. When the intersection point kv= 187, make the intersection point between the horizontal line and the opening scale line of the balance valve of different diameters. The intersection point of DN 100 is 9 circles, that of DN 125 is 6.8, that of DN 150 is 7, and that of DN200 is 2.9. According to the principle of 75% opening, the balancing valve with diameter of DN 125 should be selected.

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Series W-TDV-16Q/25Q

Constant-flow Multi-Functional Valve

Size: DN50-DN500

This valve can substitute the outlet stop, throttling and check valves, so achieving one valve for multiple purposes. The Watts W-TDV Series multi-functional valves is designed for petroleum, chemical, metallurgical, water treatment and other industries industrial applications.

Features

- An opening indicator showing the opening and closing degree(s) of the valve
- Closing by operating the hand wheel
- Self-sealing measure nipple
- Excellent adjustment performance

Pressure-Temperature

- Nominal Pressure: PN16/PN25
- Temperature Range: -20 C -120 C

Material

| Component | Material |
|-----------|--|
| Body | Ductile Iron PN16 Duction Iron PN25 |
| Disc | Duction Iron |
| Stem | Stainless Steel (SS420) |
| Spring | Stainless Steel (SS304) |
| Gasket | EPDM |
| Handwheel | Cast Iron |

Installation Dimensions

| Size | L(mm) | H1(mm) | H2(mm) | W(mm) | | Weight(kg) | |
|-------|-------|--------|--------|-------|------|------------|-------|
| | | | | PN16 | PN25 | PN16 | PN25 |
| DN50 | 205 | 267 | 285 | 165 | 165 | 12.0 | 12.5 |
| DN65 | 229 | 276 | 294 | 185 | 185 | 15.0 | 16.0 |
| DN80 | 250 | 267 | 285 | 200 | 200 | 18.0 | 19.5 |
| DN100 | 320 | 319 | 341 | 220 | 235 | 26.0 | 28.0 |
| DN125 | 370 | 346 | 377 | 250 | 270 | 35.0 | 39.0 |
| DN150 | 415 | 373 | 407 | 285 | 300 | 51.0 | 55.0 |
| DN200 | 500 | 582 | 636 | 340 | 360 | 88.5 | 92.0 |
| DN250 | 605 | 629 | 693 | 405 | 425 | 121.0 | 126.0 |
| DN300 | 725 | 681 | 753 | 460 | 485 | 213.0 | 219.0 |
| DN350 | 733 | 717 | 797 | 520 | 555 | 255.0 | 264.0 |
| DN400 | 990 | 1010 | 1094 | 580 | 620 | 460.0 | 469.0 |
| DN450 | 1000 | 1025 | 1138 | 640 | 670 | 535.0 | 545.0 |
| DN500 | 1100 | 1110 | 1237 | 715 | 730 | 682.0 | 693.0 |

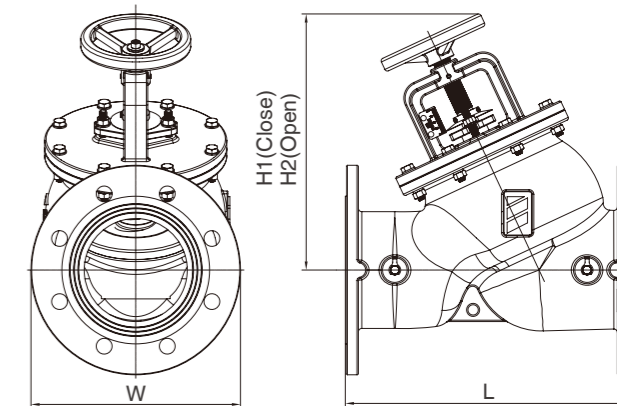


Specification

- Test Standard: BS EN 12266-1
- Connection Standard: GB/T 17241.6 EN1092-2
- Connection Type: Flange Type
- Working Medium: Water, glycol

Operating Principles

The body is equipped with a quick closing spring, which adopts the quick-closing principle to prevent water-hammering, protect against medium backflow, and to achieve silent closing. There is an opening indicator, which can be used to adjust the output of the pump by adjusting the opening degree. By closing the stem, medium can be cut off. Therefore, this valve can function as a stop valve.



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