

SSD-11, 22, SSD-21, 22, SSD-25

SUCTION DIFFUSER



• **Size** : 2" ~ 24"

• **Applicable Fluid** : Water, Oil

• **Inlet Pressure** :

SSD-11,12 : Max. 10 bar(Cast Iron) / Max. 16 bar(Ductile Iron)

SSD-21, 22, 25 : Max. 20 bar(Cast Steel)

• **Operating Temperature** :

Max. 80 °C (Option : Max. 120 °C)

• **End Connection** :

SSD-11,12,21,22

-2" : PT Screwed

-2 1/2" ~ 24" : Flanged (ANSI / DIN / JIS)

SSD-25

Inlet : Grooved Joint

Outlet : Grooved Joint or Flanged (ANSI / DIN / JIS)

• **Hydrostatic Test** :

SSD-11,12 : 15 bar~3 min.(Cast Iron), 24 bar~3 min.(Ductile Iron)

SSD-21,22,25 : 30 bar~3 min.

• **Material_Body, Cover** :

SSD-11,12 : Cast Iron, Ductile Iron / SSD-21,22,25 : Cast Steel

• **Material_Screen** : Stainless Steel

• **Material_Guide Plate** : Stainless Steel

• **Material_O-Ring** : NBR

A suction diffuser normally installed at the pump inlet has been redesigned by Shinwoo Valve to reduce the installation area to only 1/3 of the traditional design. Its internal guide plate not only induces stable fluid flow, but also protects the pump impeller by preventing cavitation. This unique design further enhances durability by coming equipped with a screen that collects and prevents foreign substances from flowing into the pipe.

Features

- Large opening ratio : Guarantees low head loss and increases intervals between filter cleanings
- Internal guide plates provide stable flow and protects pump impeller
- Adjustable support : Height of the suction diffusers can be adjusted with ease
- Drain plug : Convenient for drainage
- Angle shape : Saves space and installation cost
- Vertical or horizontal installation : Suitable for any site conditions