

Series PSD Suction Diffusers

Available in sizes 2" - 12"

For general purpose applications
in chilled, condenser, heating
and cooling tower systems.

A single PACO Suction Diffuser
eliminates the need for separate:

- 90° Elbow
- Strainer
- Flow Stabilizer
- Reducer (when required)

Designed to:

- Reduce Material Cost
- Reduce Installation Cost
- Reduce Space Requirements
- Reduce Maintenance Cost
- Extend Life of Pump

Maximum Working Pressure:
175 PSIG

Maximum Working Temperature:
300°F



FEATURES AND BENEFITS

Combined Functions – One fitting replaces a 90° ell, strainer, flow stabilizer and reducer, simplifying installation and reducing installation cost.

Space Savings – Use a PACO PSD suction diffuser whenever floor space does not permit recommended 10 pipe diameters of straight suction piping. Diffuser incorporates flow-straightening guide vanes to promote smooth, even flow profile as fluid enters pump suction thereby maximizing pump life.

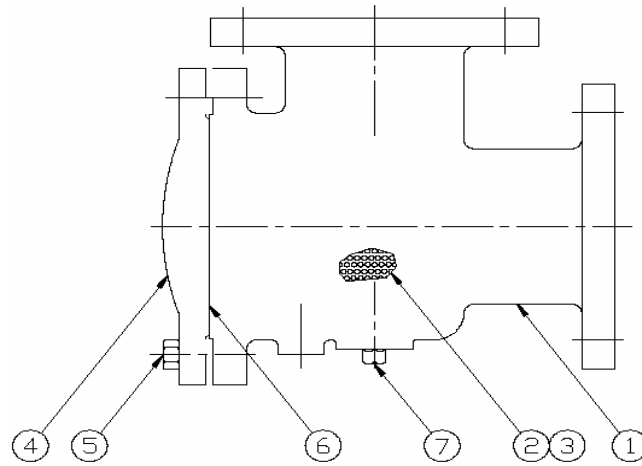
Strainer – Diffuser incorporates a permanent, perforated stainless steel strainer and a disposable stainless steel, fine-mesh start-up screen for capture and removal of foreign particulates in system piping. Clean fluid, free of suspended solids helps protect pump and other system components.

Ease of Installation -- Cast iron body and cover with 125# ANSI flanges are suitable for direct mounting to suction of pump.

PACO Suction Diffusers

Series PSD

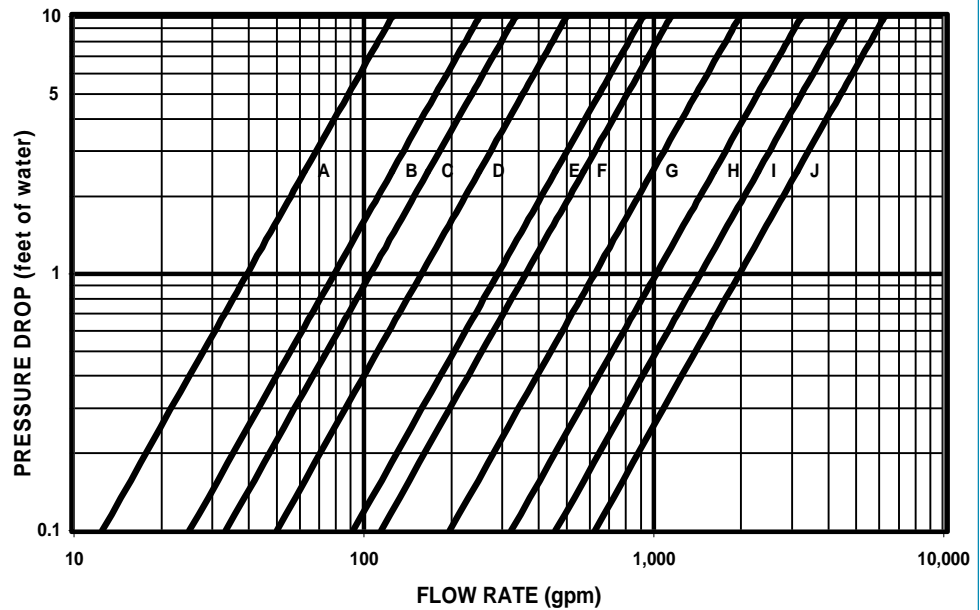
Key No	Description	Material
1	Body	Cast Iron
2	Strainer	304SS
3	Mesh Grid	304SS
4	Cover	Cast Iron
5	Cap Screw	Steel
6	O Ring	Buna N
7	Plug	Malleable Iron



PRESSURE LOSS

(Caution: Verify Pump NPSH requirements)

Model	Curve
PSD2015-125	A
PSD2020-125	B
PSD2520-125	B
PSD2525-125	C
PSD3020-125	B
PSD3025-125	C
PSD3030-125	D
PSD4030-125	D
PSD4040-125	E
PSD5040-125	E
PSD5050-125	F
PSD6040-125	E
PSD6050-125	F
PSD6060-125	G
PSD8060-125	G
PSD8080-125	H
PSD1080-125	H
PSD1010-125	I
PSD1280-125	H
PSD1210-125	I
PSD1212-125	J



Typical Specifications

Furnish and install directly on the suction inlet of each pumping unit a PACO Series PSD Suction Diffuser with flanged cast iron body and flow straightening vanes. Diffuser shall be equipped with a permanent strainer constructed of perforated stainless steel and a stainless steel, disposable start-up screen which shall be removed and disposed of after one month operation. Diffuser size shall be compatible with pump suction inlet size and pipe size.



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