

SUCTION DIFFUSER

Figure S810 Suction Diffuser

The Figure S810 Suction Diffuser is compact and rugged for direct mounting to the suction side of a pump in either a horizontal or vertical position. In addition to removing foreign particles, the Figure S810 also provides proper flow conditions to the pump. Where space is limited, the Figure S810 can be used to replace the straight pipe normally required to reduce turbulence. The Figure S810 Suction Diffuser can be used for primary or additional strainer protection, especially for controls, meters and other rotating equipment. The Figure S810 Suction Diffuser's permanent perforated stainless steel screen helps remove foreign particles. The inlet end is suitable for installation with Figure 705, 707 and 772 couplings. The outlet end is provided with a 150# ANSI flat face flange. The large 5 to 1 open area ratio and the blow-off mean minimum servicing with easy draining and flushing.



Tech Data: G410

Sizes: 3", 4", 5", 6", 8", 10", 12", 14" and 16"

Maximum working pressure is 300 psi (20.7 bar) at 100°F (38°C)

MATERIAL SPECIFICATIONS

Body and Cover

Ductile Iron conforming to ASTM A-536

Knobs

Ductile Iron conforming to ASTM A-536
Grade 65-45-12 for sizes 3" x 2" – 10" x 8"
(Stud/Nuts Carbon Steel conforming to ASTM
A-193/194, for sizes 10" x 10" and larger)

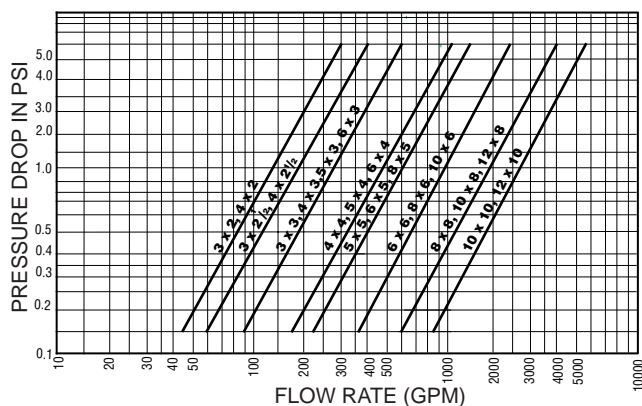
Screen

$\frac{5}{32}$ " perforated Stainless Steel for sizes
3" x 2" – 6" x 6"; $\frac{1}{8}$ " perforated Stainless Steel
for sizes 8" x 5" and larger. Start up screen is 20
mesh Stainless Steel.

Coating

Black Fusion Bonded Epoxy

PERFORMANCE



For sizes not shown, contact Tyco Fire & Building Products

Note: It is good piping practice to apply a safety factor of 15% to 20% to the values in the above table.