



DIFFUSED GAS TECHNOLOGIES, INC.

Hydro-Check Coarse Bubble Diffusers

- Patented downflow design eliminates sediment formation in orifices
- Maximized shearing effect on bubbles

The Hydro-Check coarse bubble diffuser is available in stainless steel or Celcon plastic. EPDM elastomeric air check diaphragm is extremely flexible for positive backflow sealing.



DESCRIPTION	CFM	DIA	HEIGHT	STOCK #	EACH	QTY 50+
3/8" NPT DIFFUSERS						
Diffuser, Celcon Body	0.5 to 3	2 1/2"	1 9/16"	48984	\$	\$
Diffuser, Stainless Steel Body	0.5 to 3	2 1/2"	1 9/16"	48986		
Replacement Diaphragm for 3/8" Diffusers				48992		
Replacement Retainer Ring Set for 3/8" Diffusers				48994		
3/4" NPT DIFFUSERS						
Diffuser, Celcon Body	3 to 12	4"	2 1/16"	48988	\$	\$
Diffuser, Stainless Steel Body	3 to 12	4"	2 1/16"	48990		
Replacement Diaphragm for 3/4" Diffusers				48996		
Replacement Retainer Ring Set for 3/4" Diffusers				48998		



48983 installation cross section



45900 shown installed

Universal Diffuser Mounts

- Quick and easy installation of 3/4" NPT threaded diffusers in diffuser piping
- Designed for use with all types of top and bottom mounted coarse and fine bubble diffusers with 3/4" NPT(M) connections

When installing new diffuser piping or repairing damaged outlets in existing piping, these diffuser mounts save you a lot of time and aggravation. Just drill a 1 1/4" hole, press in the self-locking diffuser mount, and screw in the diffuser. Once installed, there is virtually no way that diffusers can blow out.

Choose from EPDM or flexible PVC models. Glue the PVC mount flange to PVC or ABS pipe if additional gripping strength is desired.

Note: Mounts are not designed for horizontal mounting of tube or stainless steel coarse bubble diffusers.

MATERIAL	STOCK #	EACH	QTY 50+
PVC	45900	\$	\$
EPDM	48983		



Clog-free diffusers installed in the diffuser bar at fixed intervals provide maximum air and thorough mixing of tank contents.

Clog-Free Bottom Discharge Diffusers

- Easy retrofit
- Great for cycle-timed blowers

At plants that operate with cycled running times, solids can settle during off cycles. This can plug upward facing openings in many diffusers, resulting in reduced efficiency and unnecessary costs. These bottom discharge diffusers are a great solution to this common problem.

These high-impact ABS plastic diffusers do not clog. Inside the diffuser cone, a rubber diaphragm seals the orifice whenever the blower shuts off, trapping a bubble of air which prevents any liquids or floating solids from even touching the orifice. Air is broken up when passing through the sectioned orifice. Next, the rubber diaphragm, blown aside by the force of in-rushing air, continues to break up the air stream. Finally, notches at the base of the diffuser break the air into smaller bubbles, giving greater surface area for more contact with the wastewater.

Diffusers measure 5" Dia x 4 1/2" H with 1/2" NPT(M) threads. Units can handle 1 to 13 cfm with best efficiency between 6 and 12 cfm.

DESCRIPTION	STOCK #	EACH	QTY 50+
Clog-Free Bottom Discharge Diffuser	48876	\$	\$



Hydro-Aerobic Hydro-Ceal™ Coarse Bubble Diffusers

Check diaphragm will not blow off because it is molded directly onto the diffuser body. Unique design shears bubbles twice to produce both coarse and fine. Interchangeable with other types of check diffusers for retrofitting. Both sizes are 3 1/2" Dia x 1 15/16" H. Delrin® body; EPDM diaphragm.

MODEL #	CFM	MAX CFM*	NPT	STOCK #	EACH	QTY 50+
HA-38	0.5 to 3 1/2	5	3/8"	49000	\$	\$
HA-75	0.5 to 7 1/2	12	3/4"	49002		

* Intermittent service only.