

Gas Diffusers

Ideal for water and wastewater treatment

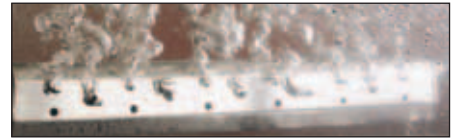
- Provides oxygenation and mixing capabilities essential for biological treatment processes
- Use in a variety of applications including pre-aeration chambers, digesters, sludge holding tanks, lagoons, package plants, and post-aeration tanks

Diffuser aeration systems provide increased oxygen content to wastewater in treatment facilities. This process creates an environment where microorganisms biologically decompose soluble organic contaminants in wastewater. Diffusers are also used to spread digester gases such as hydrogen sulfide and sulphur dioxide; to introduce ozone for oxidizing and destroying bacterial and organic chemical contaminants; and to inject carbon dioxide for recarbonization and pH adjustment. Order aeration pumps separately below or see our "Compressors" section on pages 352–358 for higher volume air supplies.

Catalog number	Material	Thread NPT(M)	Dimensions	Flow range (cfm)	Price
Downflow coarse bubble diffusers					
R-70025-00	Celcon	3/8"	2 1/2" dia x 1 1/16"H	0.5 to 3	
R-70025-02	304 SS	3/8"	2 1/2" dia x 1 1/16"H	0.5 to 3	
R-70025-04	Celcon	3/4"	4" dia x 2 1/16"H	3 to 12	
R-70025-06	304 SS	3/4"	4" dia x 2 1/16"H	3 to 12	
Plenum coarse bubble diffusers					
R-70025-10	304 SS	3/4"	12"L x 2 1/8"W x 3 3/8"H	2 to 25	
R-70025-12	304 SS	3/4"	24"L x 2 1/8"W x 3 3/8"H	5 to 50	
Ceramic dome fine bubble diffusers					
R-70025-20	Ceramic with ABS plastic base	3/4"	7 1/2" dia x 3 3/16"H	0.5 to 2	
R-70025-22	Ceramic with 304 SS base	3/4"	7 1/2" dia x 3 3/16"H	0.5 to 2	
Ceramic tubular fine bubble diffusers					
R-70025-24	304 SS	3/4"	2 5/8" dia x 26"L	1 to 4	
R-70025-26	304 SS	3/4"	2 5/8" dia x 38"L	1 to 7	
Low-flow ceramic diffuser					
R-70025-28	Ceramic	1/2"	12"L x 1 1/2"W x 1 1/2"D	0.5 to 1	
Membrane check valve fine bubble diffuser					
R-70025-30	SS/PVC/EPDM	3/4"	2 1/2" dia x 29 3/4"L	1 to 12	



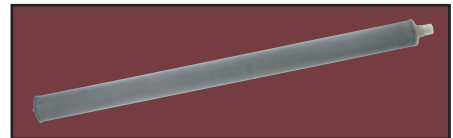
Downflow coarse bubble diffuser 70025-02



Plenum coarse bubble diffuser 70025-12



Ceramic dome fine bubble diffuser 70025-22



Ceramic tubular fine bubble diffuser 70025-26



Membrane check valve fine bubble diffuser 70025-30

Aeration Pressure Pumps

Also great for filtering, aspirating, degassing, and desiccating

- Pumps do not require water or oil to operate
- Water trap prevents liquid from being drawn into the pump
- Muffler provides quiet operation

Note: Avoid using pump with organic, acidic, or basic vapors.

What's included: muffler, water trap, carrying handle, suction cup feet, on/off switch, two 1/4" barbed fittings, and a 6-ft cord (the 115 VAC models come with a standard U.S. plug; 230 VAC models come with a European plug).



79204-00



Specifications

Wetted parts: aluminum (treated for corrosion resistance), stainless steel, and PTFE

Maximum operating temperature: 104°F (40°C)

Port size: 1/4" ID hose barb

Duty cycle: continuous

Dimensions: 8"L x 8 13/16"W x 10"H

Catalog number	Free-air capacity cfm (L/min)	Maximum pressure	Motor		Port size (tube ID)	Power (VAC, Hz)	Amps	Noise rating	Price
			hp	Type					
ED-79204-00	0.76 (22)	100 psig	1/8	SP	1/4"	115, 60	31	62 dB(A)	
ED-79204-05	0.67 (19)					230, 50	1.3		
ED-79204-10	1.20 (34)	50 psig	1/8	SP	1/4"	115, 60	4.6	62 dB(A)	
ED-79204-15	0.99 (28)					230, 50	1.5		
ED-79204-20	1.60 (45)	100 psig	1/4	PSC	1/4"	115, 60	3.6	62 dB(A)	
ED-79204-25	1.34 (38)					230, 50	1.5		

OAKTON® Waterproof DO 300 Meter

- IP67 waterproof and dustproof housing floats
- Galvanic probe lets you take measurements immediately
- Displays dissolved oxygen in mg/L, ppm, or % saturation with simultaneous temperature display
- Automatic temperature compensation (ATC)
- Stores 50 DO and temperature readings



ED-35641-00 Waterproof DO 300 meter. Includes a probe with 10-ft cable and electrolyte solution.....

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For our complete selection of dissolved oxygen meters.