

DG Series Forced Draft Decarbonators

Flow Rates from 15 to 400 gpm

DG Series Forced Draft Decarbonators are designed to remove dissolved gases from process water without changing its ambient temperature. The DG Series reduces the load on deionization equipment and can extend the usable life of neutralization chemicals and eliminates gas-related problems from the process stream. The DG Series may also be used to oxidize dissolved iron and manganese for removal by filtration or clarification.

- Large clearwell (storage tank) eliminates the need for additional storage facilities
- Polypropylene hollow sphere packing provides a high active surface area for air contact with water for rapid and efficient gas removal
- Easy to maintain with removable top for access inside and a packing section clean-out
- Fiberglass tower with a flat sealed bottom and top air inlet distributor evenly distribute incoming water over the surface of the packing
- Skid mounted 316SS transfer pumps are available
- Optional HEPA filters remove airborne particles as small as 0.5 micron

SYSTEM SPECIFICATIONS

Model Number	DG-12	DG-18	DG-24	DG-30	DG-36	DG-42	DG-48	DG-54	DG-60
Flow rate	15 gpm	35 gpm	60 gpm	100 gpm	150 gpm	200 gpm	250 gpm	300 gpm	400 gpm
Air at 1' WC (Water Column)	350 cfm	350 cfm	350 cfm	490 cfm	775 cfm	1100 cfm	1375 cfm	1575 cfm	2100 cfm
Clearwell Capacity	190 gal	259 gal	339 gal	549 gal	677 gal	976 gal	1189 gal	1735 gal	2115 gal
Packing Volume (cubic ft.)	6	15	25	40	55	80	105	130	165
Seismic Zone	IIB	IIB	IIB	IIB	IIB	IIB	IIB	IIB	IIB
System Dimensions									
Tower Diameter	12"	18"	24"	30"	36"	42"	48"	54"	60"
Clearwell Diameter	3'	3.5'	4'	4.5'	5'	6'	6'	8'	8'
Height	13'	14'-6"	15'	16'	16'	16'	17'	16'	17'
Operating Weight									
lb.	2,100	2,700	3,400	5,300	6,200	8,900	10,900	15,900	19,400
kg	953	1,225	1,542	2,404	2,812	4,037	4,944	7,212	8,800
Electrical Requirements									
Blower	480V/3 phase/60 Hz								
	1/2 HP	1/2 HP	1/2 HP	3/4 HP	1-1/2 HP	3 HP	5 HP	5 HP	15 HP

ORDERING INFORMATION

Model Number	Decarbonators		Optional HEPA Filter Kit	
	Catalog Number		Catalog Number	Description
DG-12	67/S2201-120		24/S2201-710	HEPA Filter Kit, 120, 180, 240
DG-18	67/S2201-180		24/S2201-710	HEPA Filter Kit, 120, 180, 240
DG-24	67/S2201-240		24/S2201-710	HEPA Filter Kit, 120, 180, 240
DG-30	67/S2201-300		24/S2201-720	HEPA Filter Kit, 300
DG-36	67/S2201-360		24/S2201-730	HEPA Filter Kit, 360
DG-42	67/S2201-420		24/S2201-740	HEPA Filter Kit, 420
DG-48	67/S2201-480		24/S2201-750	HEPA Filter Kit, 480
DG-54	67/S2201-540		24/S2201-760	HEPA Filter Kit, 540
DG-60	67/S2201-600		24/S2201-770	HEPA Filter Kit, 600