

SUCTION OUTLET OPEN AREA

Description	Size	Area sq in	Size of hole	Area of hole sq in	Number of holes	Size of hole	Area of hole sq in	Number of holes	Open Area sq in	Rated Flow GPM	Rated Flow wall Mounted	1 Ft/Sec Flow rate GPM	1 1/2 Ft/Sec Flow rate GPM	2 Ft/Sec Flow rate GPM	2.5 Ft/Sec Flow rate GPM
WG1048E Suction Outlet cover	8.0 dia	50.2	0.314	0.077	90	0.16	0.020	56	8.10	125		25.2	37.8	50.5	63.1
WG1048EW Suction Outlet cover Wall	8.0 dia	50.2	0.314	0.077	90	0.16	0.020	56	8.10	125	72	25.2	37.8	50.5	63.1
WG1031B	9" x 9"	81.0	0.300	0.071	236	0.15	0.018	64	17.81	112	84	55.5	83.3	111.0	138.8
WG1032B	12" x 12"	144.0	0.300	0.071	436	0.15	0.018	88	32.37	256	112	100.9	151.4	201.8	252.3
WG1033	18" x 18"	324.0	0.300	0.071	944	0.15	0.018	256	71.25	560	560	222.1	333.1	444.2	555.2

To convert from flow in GPM to Velocity in Ft/Sec active calculator $GPM / (Total Area * 3.1168)$

Total Area 8.1 Sq In 25.2 GPM 1.00 Ft/Sec

To convert from PSI to Ft of head multiply by 2.3106 Please read flow from pump curve

1.00 PSI 2.31 Ft of Head