

Edge Welded Bellows Diaphragm Sizes Guide



MW Components

Size Number	Outside Diameter inches (mm)	Inside Diameter inches (mm)	Mean Effective Pressure Area inches ² (mm ²)	Radial Span inches (mm)
0036A	0.358 (9.1)	0.200 (5.1)	0.0611 (39.4)	0.0790 (2.0)
0038A	0.375 (9.5)	0.125 (3.2)	0.0491 (31.7)	0.1250 (3.2)
0040A	0.396 (10.1)	0.200 (5.1)	0.0697 (45.0)	0.0980 (2.5)
0048A	0.477 (12.1)	0.198 (5.0)	0.0895 (57.7)	0.1395 (3.5)
0048B	0.477 (12.1)	0.198 (5.0)	0.0895 (57.7)	0.1395 (3.5)
0050A	0.496 (12.6)	0.200 (5.1)	0.0951 (61.4)	0.1480 (3.8)
0060A	0.595 (15.1)	0.260 (6.6)	0.1435 (92.6)	0.1675 (4.3)
0061A	0.608 (15.4)	0.228 (5.8)	0.1372 (88.5)	0.1900 (4.8)
0067A	0.670 (17.0)	0.394 (10.0)	0.2223 (143.4)	0.1380 (3.5)
0073A	0.729 (18.5)	0.471 (12.0)	0.2827 (182.4)	0.1290 (3.3)
0075A	0.750 (19.1)	0.260 (6.6)	0.2003 (129.2)	0.2450 (6.2)
0080A	0.800 (20.3)	0.400 (10.2)	0.2827 (182.4)	0.2000 (5.1)
0082A	0.821 (20.9)	0.548 (13.9)	0.3680 (237.4)	0.1365 (3.5)
0083A	0.827 (21.0)	0.575 (14.6)	0.3859 (249.0)	0.1260 (3.2)
0084A	0.838 (21.3)	0.500 (12.7)	0.3515 (226.8)	0.1690 (4.3)
0089A	0.892 (22.7)	0.592 (15.0)	0.4324 (279.0)	0.1500 (3.8)
0099A	0.992 (25.2)	0.785 (19.9)	0.6200 (400.0)	0.1035 (2.6)
0102A	1.022 (26.0)	0.683 (17.3)	0.5708 (368.3)	0.1695 (4.3)
0103A	1.030 (26.2)	0.540 (13.7)	0.4840 (312.2)	0.2450 (6.2)
0103B	1.030 (26.2)	0.540 (13.7)	0.4840 (312.2)	0.2450 (6.2)
0103C	1.030 (26.2)	0.540 (13.7)	0.4840 (312.2)	0.2450 (6.2)
0103D	1.030 (26.2)	0.550 (14.0)	0.4902 (316.2)	0.2400 (6.1)
0108A	1.080 (27.4)	0.860 (21.8)	0.7390 (476.8)	0.1100 (2.8)
0117A	1.170 (29.7)	0.750 (19.1)	0.7238 (467.0)	0.2100 (5.3)
0118C	1.181 (30.0)	0.886 (22.5)	0.8389 (541.2)	0.1475 (3.7)
0122A	1.218 (30.9)	0.725 (18.4)	0.7413 (478.2)	0.2465 (6.3)
0124A	1.240 (31.5)	0.660 (16.8)	0.7088 (457.3)	0.2900 (7.4)
0125A	1.252 (31.8)	0.858 (21.8)	0.8742 (564.0)	0.1970 (5.0)
0128B	1.280 (32.5)	0.886 (22.5)	0.9212 (594.3)	0.1970 (5.0)
0133A	1.330 (33.8)	1.015 (25.8)	1.0797 (696.6)	0.1575 (4.0)
0136A	1.355 (34.4)	0.540 (13.7)	0.7051 (454.9)	0.4075 (10.4)
0136B	1.362 (34.6)	1.012 (25.7)	1.1066 (713.9)	0.1750 (4.4)
0136C	1.355 (34.4)	0.540 (13.7)	0.7051 (454.9)	0.4075 (10.4)
0144A	1.437 (36.5)	0.937 (23.8)	1.1066 (713.9)	0.2500 (6.4)
0147A	1.470 (37.3)	1.020 (25.9)	1.2174 (785.4)	0.2250 (5.7)
0150A	1.500 (38.1)	1.000 (25.4)	1.2272 (791.7)	0.2500 (6.4)
0151A	1.511 (38.4)	1.186 (30.1)	1.4282 (921.4)	0.1625 (4.1)
0153A	1.530 (38.9)	1.030 (26.2)	1.2868 (830.2)	0.2500 (6.4)
0156A	1.560 (39.6)	0.865 (22.0)	1.1547 (744.9)	0.3475 (8.8)
0163A	1.625 (41.3)	0.750 (19.1)	1.1075 (714.5)	0.4375 (11.1)

Edge Welded Bellows Diaphragm Sizes Guide *continued*



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0163B	1.625 (41.3)	0.937 (23.8)	1.2888 (831.5)	0.3440 (8.7)
0165A	1.650 (41.9)	1.240 (31.5)	1.6399 (1058.0)	0.2050 (5.2)
0169A	1.687 (42.8)	1.187 (30.1)	1.6218 (1046.3)	0.2500 (6.4)
0174A	1.738 (44.1)	1.363 (34.6)	1.8881 (1218.2)	0.1875 (4.8)
0175A	1.750 (44.5)	0.750 (19.1)	1.2272 (791.7)	0.5000 (12.7)
0175B	1.750 (44.5)	1.000 (25.4)	1.4849 (958.0)	0.3750 (9.5)
0176A	1.759 (44.7)	1.305 (33.1)	1.8433 (1189.3)	0.2270 (5.8)
0188A	1.875 (47.6)	0.975 (24.8)	1.5948 (1028.9)	0.4500 (11.4)
0189A	1.890 (48.0)	1.390 (35.3)	2.1124 (1362.8)	0.2500 (6.4)
0190B	1.900 (48.3)	1.500 (38.1)	2.2698 (1464.4)	0.2000 (5.1)
0193A	1.925 (48.9)	1.200 (30.5)	1.9175 (1237.1)	0.3625 (9.2)
0195A	1.950 (49.5)	1.557 (39.5)	2.4149 (1558.0)	0.1965 (5.0)
0200A	2.000 (50.8)	1.250 (31.8)	2.0739 (1338.0)	0.3750 (9.5)
0213A	2.126 (54.0)	1.654 (42.0)	2.8055 (1810.0)	0.2360 (6.0)
0219A	2.190 (55.6)	1.690 (42.9)	2.9559 (1907.0)	0.2500 (6.4)
0224A	2.244 (57.0)	1.625 (41.3)	2.9392 (1896.2)	0.3095 (7.9)
0225A	2.250 (57.2)	1.500 (38.1)	2.7612 (1781.4)	0.3750 (9.5)
0244B	2.437 (61.9)	1.937 (49.2)	3.7565 (2423.6)	0.2500 (6.4)
0244D	2.437 (61.9)	1.937 (49.2)	3.7565 (2423.6)	0.2500 (6.4)
0245A	2.450 (62.2)	1.650 (41.9)	3.3006 (2129.4)	0.4000 (10.2)
0249A	2.490 (63.2)	1.530 (38.9)	3.1731 (2047.1)	0.4800 (12.2)
0260A	2.600 (66.0)	1.780 (45.2)	3.7668 (2430.2)	0.4100 (10.4)
0260B	2.595 (65.9)	2.185 (55.5)	4.4863 (2894.4)	0.2050 (5.2)
0263A	2.625 (66.7)	2.125 (54.0)	4.4301 (2858.1)	0.2500 (6.4)
0265A	2.650 (67.3)	2.000 (50.8)	4.2456 (2739.1)	0.3250 (8.3)
0270A	2.700 (68.6)	1.950 (49.5)	4.2456 (2739.1)	0.3750 (9.5)
0275A	2.750 (69.9)	2.125 (54.0)	4.6664 (3010.6)	0.3125 (7.9)
0275B	2.750 (69.9)	2.125 (54.0)	4.6664 (3010.6)	0.3125 (7.9)
0275C	2.750 (69.9)	1.650 (41.9)	3.8013 (2452.5)	0.5500 (14.0)
0276A	2.760 (70.1)	1.965 (49.9)	4.3836 (2828.1)	0.3975 (10.1)
0299A	2.990 (75.9)	2.247 (57.1)	5.3851 (3474.3)	0.3715 (9.4)
0300A	3.000 (76.2)	2.000 (50.8)	4.9087 (3166.9)	0.5000 (12.7)
0300B	3.000 (76.2)	2.000 (50.8)	4.9087 (3166.9)	0.5000 (12.7)
0317B	3.165 (80.4)	2.585 (65.7)	6.4918 (4188.3)	0.2900 (7.4)
0328A	3.283 (83.4)	2.811 (71.4)	7.2918 (4704.4)	0.2360 (6.0)
0331A	3.305 (83.9)	2.810 (71.4)	7.3421 (4736.9)	0.2475 (6.3)
0350A	3.500 (88.9)	2.750 (69.9)	7.6699 (4948.3)	0.3750 (9.5)
0350C	3.500 (88.9)	2.500 (63.5)	7.0686 (4560.4)	0.5000 (12.7)
0368A	3.675 (93.3)	2.530 (64.3)	7.5599 (4877.3)	0.5725 (14.5)
0375B	3.750 (95.3)	3.090 (78.5)	9.1863 (5926.7)	0.3300 (8.4)

Edge Welded Bellows Diaphragm Sizes Guide *continued*



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Size Number	Outside Diameter inches (mm)	Inside Diameter inches (mm)	Mean Effective Pressure Area inches ² (mm ²)	Radial Span inches (mm)
0395A	3.950 (100.3)	3.200 (81.3)	10.0379 (6476.0)	0.3750 (9.5)
0399A	3.990 (101.3)	2.690 (68.3)	8.7616 (5652.6)	0.6500 (16.5)
0403B	4.034 (102.5)	3.085 (78.4)	9.9510 (6420.0)	0.4745 (12.1)
0417A	4.170 (105.9)	3.700 (94.0)	12.1613 (7846.0)	0.2350 (6.0)
0420A	4.200 (106.7)	3.400 (86.4)	11.3411 (7316.9)	0.4000 (10.2)
0425A	4.250 (108.0)	3.200 (81.3)	10.8979 (7030.9)	0.5250 (13.3)
0425D	4.250 (108.0)	3.200 (81.3)	10.8979 (7030.9)	0.5250 (13.3)
0435A	4.350 (110.5)	3.640 (92.5)	12.5350 (8087.1)	0.3550 (9.0)
0472A	4.720 (119.9)	3.720 (94.5)	13.9867 (9023.6)	0.5000 (12.7)
0475A	4.750 (120.7)	3.030 (77.0)	11.8847 (7667.5)	0.8600 (21.8)
0490A	4.900 (124.5)	3.530 (89.7)	13.9536 (9002.3)	0.6850 (17.4)
0490B	4.903 (124.5)	4.323 (109.8)	16.7131 (10782.6)	0.2900 (7.4)
0497A	4.970 (126.2)	4.000 (101.6)	15.7985 (10192.5)	0.4850 (12.3)
0508A	5.077 (129.0)	4.130 (104.9)	16.6443 (10738.3)	0.4735 (12.0)
0545A	5.450 (138.4)	4.950 (125.7)	21.2372 (13701.4)	0.2500 (6.4)
0550A	5.500 (139.7)	4.500 (114.3)	19.6350 (12667.7)	0.5000 (12.7)
0550B	5.500 (139.7)	4.500 (114.3)	19.6350 (12667.7)	0.5000 (12.7)
0572A	5.722 (145.3)	4.472 (113.6)	20.4042 (13164.0)	0.6250 (15.9)
0572B	5.722 (145.3)	4.472 (113.6)	20.4042 (13164.0)	0.6250 (15.9)
0588A	5.880 (149.4)	5.120 (130.0)	23.7583 (15327.9)	0.3800 (9.7)
0675A	6.750 (171.5)	5.542 (140.8)	29.6671 (19140.0)	0.6040 (15.3)
0728A	7.283 (185.0)	5.906 (150.0)	34.1549 (22035.4)	0.6885 (17.5)
0775A	7.750 (196.9)	6.850 (174.0)	41.8539 (27002.4)	0.4500 (11.4)
0785A	7.850 (199.4)	6.250 (158.8)	39.0363 (25184.6)	0.8000 (20.3)
0787A	7.874 (200.0)	6.693 (170.0)	41.6649 (26880.5)	0.5905 (15.0)
0808A	8.083 (205.3)	7.150 (181.6)	45.5618 (29394.6)	0.4665 (11.8)
0825B	8.248 (209.5)	7.500 (190.5)	48.6946 (31415.8)	0.3740 (9.5)
0925A	9.250 (235.0)	8.000 (203.2)	58.4263 (37694.3)	0.6250 (15.9)
0950A	9.500 (241.3)	8.500 (215.9)	63.6173 (41043.3)	0.5000 (12.7)
1099A	10.990 (279.1)	10.120 (257.0)	87.4997 (56451.3)	0.4350 (11.0)
1100A	11.000 (279.4)	9.500 (241.3)	82.5159 (53236.0)	0.7500 (19.1)
1110A	11.102 (282.0)	9.102 (231.2)	80.1502 (51709.7)	1.0000 (25.4)
1200A	12.000 (304.8)	10.000 (254.0)	95.0332 (61311.6)	1.0000 (25.4)
2221A	22.205 (564.0)	19.921 (506.0)	348.4419 (224800.8)	1.1420 (29.0)

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