

BDG Series Compressed Air Filter Housings

Better endurance, Higher efficiency. Lower pressure drop.
More port size options.

Filtration

Our Compressed Air Filters have been designed to remove airborne contamination in compressed air systems, delivering energy efficient operation and reliable performance.

Due to the usage of advanced deep pleating techniques, the filtration area has increased remarkably which leads to better filtration and higher dirt holding capacity.

Features

The air filters have 4 ranges of efficiencies, removing down to 0.01 micron at up to 290 psi (20 bar) - 1/4" to 3" NPT/BSP pipe sizes. A protected auto float drain (2mm orifice) is standard for the reliable removal of liquid contaminants.

The G Series, zero-porosity aluminium housing, with an epoxy powder-coat finish, and corrosion-resistant internal coating provide a long service life. These filter housings may be equipped with differential pressure gauges for easy maintenance and energy efficiency.

Our compressed air filters are always recommended with these systems. Filter combinations are configured to meet specific application requirements. Filters comply with PED and perform as per related ISO 8573 standards.



BDG Series

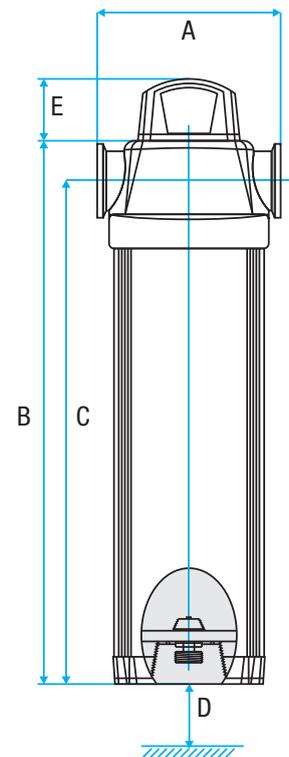
Technical Specifications of BD Series

Housing Model	Port Sizes	Flow Rate		Max Working Pressure bar	Housing Dimensions (mm)					Element Model
		m ³ /h	scfm		A	B	C	D	E	
BDG20M	¼"	20	12	20 / 290 psi	75	195.5	177.5	125	36.5	BDGM20
BDG40M	⅜"	40	24	20 / 290 psi	75	195.5	177.5	125	36.5	BDGM40
BDG50M	⅜"	50	29	20 / 290 psi	102	219.5	197.5	125	45	BDGM50
BDG100M	½"	100	59	20 / 290 psi	102	257.5	235.5	165	45	BDGM100
BDG150M	¾"	150	88	20 / 290 psi	123	302.5	275.5	205	45	BDGM150
BDG200M	¾"	200	118	20 / 290 psi	123	366.5	339.5	265	45	BDGM200
BDG250M	1"	250	147	20 / 290 psi	123	392.5	379.5	315	45	BDGM250
BDG300M	1"	300	177	20 / 290 psi	123	463	427.5	365	45	BDGM300
BDG500M	1¼"	500	294	20 / 290 psi	123	493	457.5	395	45	BDGM500
BDG600M	1½"	600	353	20 / 290 psi	123	538	502.5	440	45	BDGM600
BDG851M	2"	851	501	20 / 290 psi	160	625.5	583.8	495	45	BDGM851
BDG1210M	2"	1,210	712	20 / 290 psi	160	695.5	653.8	565	45	BDGM1210
BDG1520M	2½"	1,520	895	20 / 290 psi	194	730	672	445	45	BDGM1520
BDG1820M	3"	1,820	1,071	20 / 290 psi	194	870	813	565	45	BDGM1820
BDG2220M	3"	2,220	1,307	20 / 290 psi	194	924	867	615	45	BDGM2220
BDG2620M	3"	2,620	1,540	20 / 290 psi	194	1,068	1,011	695	45	BDGM2620

Filter Element Specifications

Filter Element Specifications	Pre Filtering	General Purpose	Oilv Removal	Activated Carbon
Grade	P	X	Y	A
Particle removal (micron)	5	1	0.01	0.01
Max. oil carry-over at 21°C (mg/m ³)	5	0.5	0.01	0.003
Max. working temperature (°C)	120	120	120	50
Initial pressure loss (mbar)	40	80	100	80
Pressure loss for element change (mbar)	700	700	700	700
Max working pressure (barg)	20	20	20	20

Correction Factor									
Operating Pressure (bar)	1	3	5	7	9	11	13	15	16
PSI	15	44	73	100	131	160	189	218	247
Correction Factor	0.5	0.71	0.87	1	1.12	1.22	1.32	1.44	1.57



BDG Series Pricelist

PRE FILTER (5 µm)

Pre Filtering						Pre Filtering	
Housing Model	Price (\$)	Port Size	m³/h	scfm	Max Oper. bar	Element Model	Price (\$)
BDG20MP	215	¼"	20	12	20	BDGM20P	105
BDG40MP	215	¾"	40	24	20	BDGM40P	116
BDG50MP	260	¾"	50	30	20	BDGM50P	151
BDG100MP	295	½"	100	58	20	BDGM100P	163
BDG150MP	375	¾"	150	88	20	BDGM150P	210
BDG200MP	395	¾"	200	117	20	BDGM200P	279
BDG250MP	490	1"	250	147	20	BDGM250P	302
BDG300MP	550	1"	300	176	20	BDGM300P	340
BDG500MP	695	1¼"	500	294	20	BDGM500P	361
BDG600MP	845	1½"	600	353	20	BDGM600P	489
BDG851MP	1,075	2"	851	500	20	BDGM851P	582
BDG1210MP	1,085	2"	1,210	712	20	BDGM1210P	651
BDG1520MP	1,495	2½"	1,520	930	20	BDGM1520P	674
BDG1820MP	1,850	3"	1,820	1,140	20	BDGM1820P	767
BDG2220MP	1,950	3"	2,220	1,307	20	BDGM2220P	930
BDG2620MP	2,375	3"	2,620	1,540	20	BDGM2620P	1,120

GENERAL PURPOSE (1 µm)

General Purpose						General Purpose	
Housing Model	Price (\$)	Port Size	m³/h	scfm	Max Oper. bar	Element Model	Price (\$)
BDG20MX	215	¼"	20	12	20	BDGM20X	105
BDG40MX	215	¾"	40	24	20	BDGM40X	116
BDG50MX	260	¾"	50	30	20	BDGM50X	151
BDG100MX	295	½"	100	58	20	BDGM100X	163
BDG150MX	375	¾"	150	88	20	BDGM150X	210
BDG200MX	395	¾"	200	117	20	BDGM200X	279
BDG250MX	490	1"	250	147	20	BDGM250X	302
BDG300MX	550	1"	300	176	20	BDGM300X	340
BDG500MX	695	1¼"	500	294	20	BDGM500X	361
BDG600MX	845	1½"	600	353	20	BDGM600X	489
BDG851MX	1,075	2"	851	500	20	BDGM851X	582
BDG1210MX	1,085	2"	1,210	712	20	BDGM1210X	651
BDG1520MX	1,495	2½"	1,520	930	20	BDGM1520X	674
BDG1820MX	1,850	3"	1,820	1,140	20	BDGM1820X	767
BDG2220MX	1,950	3"	2,220	1,307	20	BDGM2220X	930
BDG2620MX	2,375	3"	2,620	1,540	20	BDGM2620X	1,120

OIL REMOVAL (0.01 µm)

Oil Removal						Oil Removal	
Housing Model	Price (\$)	Port Size	m³/h	scfm	Max Oper. bar	Element Model	Price (\$)
BDG20MY	215	¼"	20	12	20	BDGM20Y	105
BDG40MY	215	¾"	40	24	20	BDGM40Y	116
BDG50MY	260	¾"	50	30	20	BDGM50Y	151
BDG100MY	295	½"	100	58	20	BDGM100Y	163
BDG150MY	375	¾"	150	88	20	BDGM150Y	210
BDG200MY	395	¾"	200	117	20	BDGM200Y	279
BDG250MY	490	1"	250	147	20	BDGM250Y	302
BDG300MY	550	1"	300	176	20	BDGM300Y	340
BDG500MY	695	1¼"	500	294	20	BDGM500Y	361
BDG600MY	845	1½"	600	353	20	BDGM600Y	489
BDG851MY	1,075	2"	851	500	20	BDGM851Y	582
BDG1210MY	1,085	2"	1,210	712	20	BDGM1210Y	651
BDG1520MY	1,495	2½"	1,520	930	20	BDGM1520Y	674
BDG1820MY	1,850	3"	1,820	1,140	20	BDGM1820Y	767
BDG2220MY	1,950	3"	2,220	1,307	20	BDGM2220Y	930
BDG2620MY	2,375	3"	2,620	1,540	20	BDGM2620Y	1,120

ACTIVATED CARBON (0.01 µm)

Activated Carbon						Activated Carbon	
Housing Model	Price (\$)	Port Size	m³/h	scfm	Max Oper. bar	Element Model	Price (\$)
BDG20MA	215	¼"	20	12	20	BDGM20A	105
BDG40MA	215	¾"	40	24	20	BDGM40A	116
BDG50MA	260	¾"	50	30	20	BDGM50A	151
BDG100MA	295	½"	100	58	20	BDGM100A	163
BDG150MA	375	¾"	150	88	20	BDGM150A	210
BDG200MA	395	¾"	200	117	20	BDGM200A	279
BDG250MA	490	1"	250	147	20	BDGM250A	302
BDG300MA	550	1"	300	176	20	BDGM300A	340
BDG500MA	695	1¼"	500	294	20	BDGM500A	361
BDG600MA	845	1½"	600	353	20	BDGM600A	489
BDG851MA	1,075	2"	851	500	20	BDGM851A	582
BDG1210MA	1,085	2"	1,210	712	20	BDGM1210A	651
BDG1520MA	1,495	2½"	1,520	930	20	BDGM1520A	674
BDG1820MA	1,850	3"	1,820	1,140	20	BDGM1820A	767
BDG2220MA	1,950	3"	2,220	1,307	20	BDGM2220A	930
BDG2620MA	2,375	3"	2,620	1,540	20	BDGM2620A	1,120

Filter housing includes auto drain, gauge and element, except activated carbon which has a manual drain and no gauge