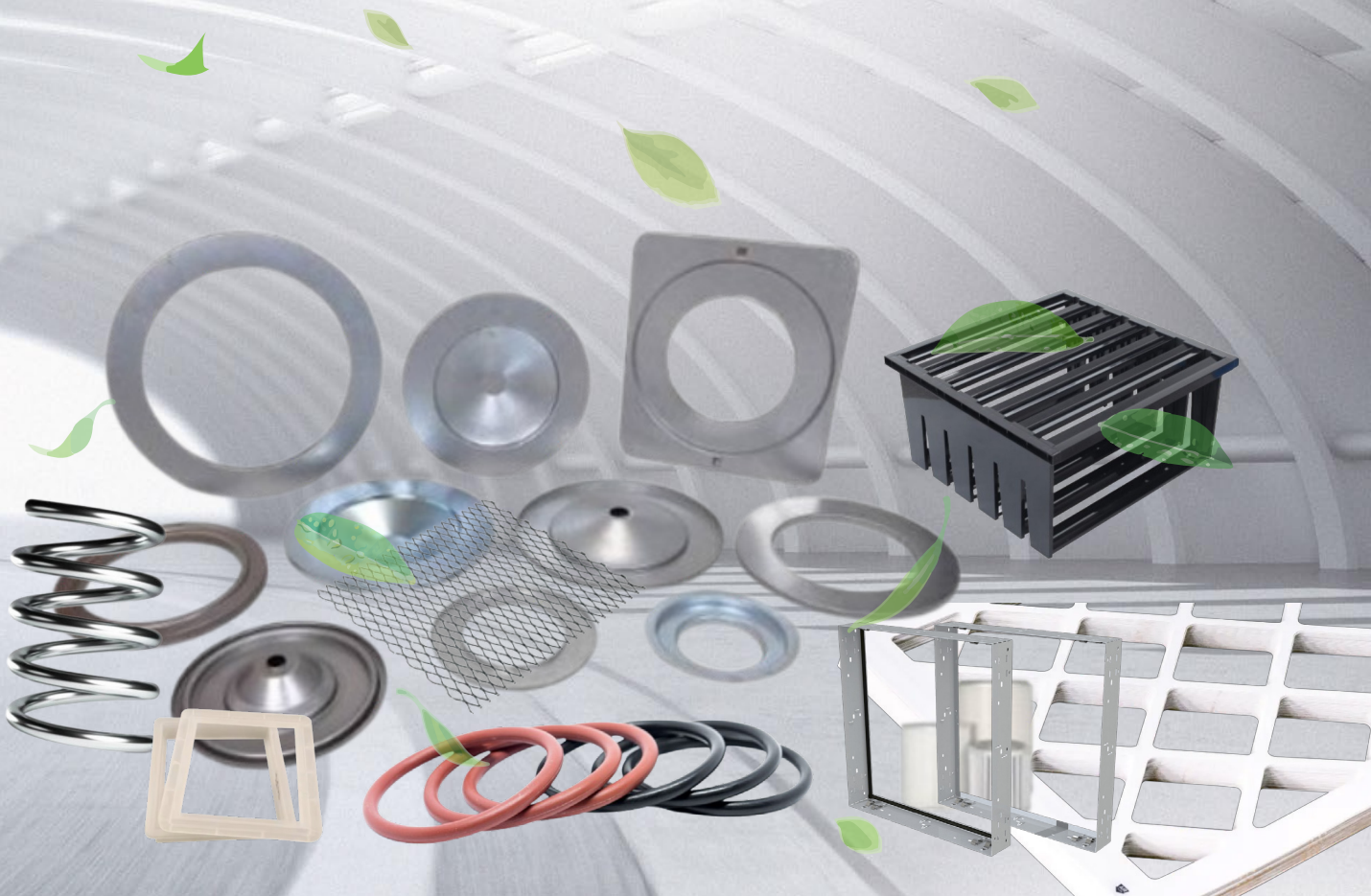


PLM FILTER SOLUTION GROUP

PLM **FILTER ACCESSORIES**



Filter Accessories Catalogue

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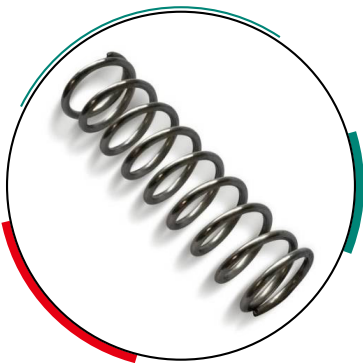
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Automotive Filter Accessories

PLM Filter provides a complete set of automotive (oil and fuel filters, air filters, cabin air filters) filter accessories, including springs, metal end caps, plastic end caps and inner tubes, plastic molds, housings, rubber seal rings, metal mesh, etc.

Spring

The spring used in automotive filters is an important component of the filter, typically used to maintain the stability and position of the filter element, ensuring that the filter element does not shift or loosen during use. The spring can provide continuous pressure to the filter element, ensuring it fits closely to the filter's housing or other critical components, thereby maintaining effective filtration performance and sealing. Springs used in automotive filters are typically made of corrosion-resistant, high-temperature metal materials, such as stainless steel or high-carbon steel, capable of operating for extended periods in harsh environments, and possessing high elasticity and strength.



Material	Outer Diameter (mm)	Inner Diameter (mm)	Free Height (mm)	Working Deformation (mm)	Stiffness Range (kg/cm)
Stainless steel, carbon steel, alloy steel	90	38 or 40	150	2	300–700; 360–1000

Housing

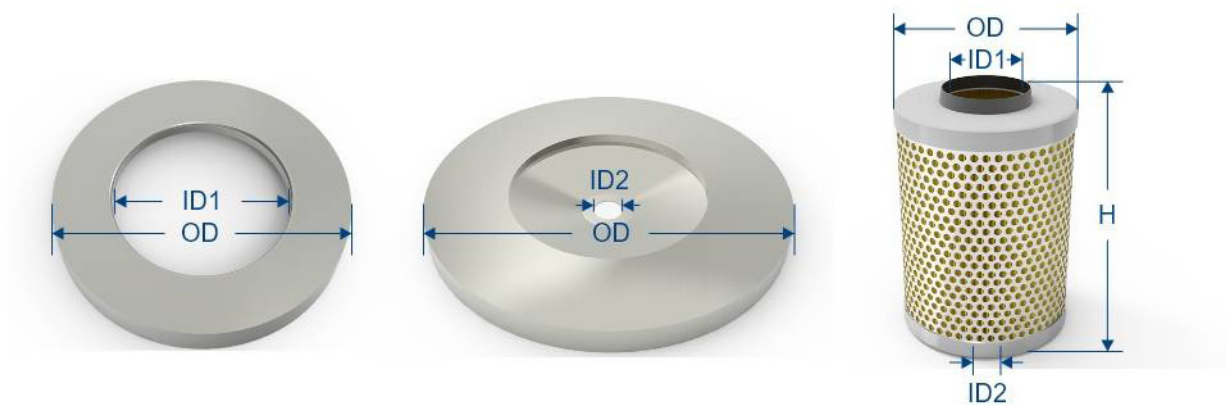
The automotive filter housing refers to the external structure that covers and protects the filter element, usually made of metal materials, primarily used to support the filter element, provide sealing, and protect the filter element from external environmental influences. The housing plays a critical role in the filter, not only affecting filtration performance but also determining the durability and service life of the filter. By using durable and suitable materials and design, the filter housing can ensure that the filter meets various operational requirements of the automobile while working efficiently.



Thickness	Drawn Thickness	Withstand Pressure (4–7 kg)	Dimensions
Car spin-on filter: 0.4–0.6 mm Truck spin-on filter: 0.6–1.0 mm	No more than 20%–25%	No deformation or damage	Customized production according to OEM part numbers

Metal End Cap

The metal end cap of the automotive filter is an important component of the automotive filter, located at both ends of the filter, usually made of metal materials, primarily used to fix and seal the filter material. The metal end cap not only provides structural support for the filter but also ensures that the filter media does not shift or deform during vehicle operation, guaranteeing filtration effectiveness and sealing. Metal end caps for automotive air filters are typically used in different types of automotive filters such as oil filters, air filters, and fuel filters, ensuring stable filtration performance and enhancing the reliability and lifespan of the car engine.



Brand	Original Part Number	Filter Element Dimension (mm) OD × ID1 × H	Bottom End Cap Inner Diameter ID2 (mm)
Mercedes BENZ	0030944204	327 × 161 × 259	10.5
Mercedes BENZ	0020942404	327 × 167 × 353	11
Mercedes BENZ	0040940204	279 × 125 × 409	–
Mercedes BENZ	0030945004	302 × 192 × 475	11
Mercedes BENZ	0030941504	303 × 192 × 475	10
Mercedes BENZ	0030949604	279 × 125 × 349	–
Mercedes BENZ	0030941604	180 × 152 × 451	17
Mercedes BENZ	0010948304	327 × 167 × 259	11
Mercedes BENZ	0010949304	276 × 133 × 257	11
Mercedes BENZ	0010947304	264 × 132 × 231	11
Mercedes BENZ	0030947004	327 × 192 × 482	11
Mercedes BENZ	0010949404	209 × 103 × 219	8.5
Mercedes BENZ	0010944204	197 × 103 × 376	8.5
Mercedes BENZ	0030949104	420 × 254 × 318	10.5
Mercedes BENZ	0030949204	420 × 254 × 261	10.5
Mercedes BENZ	4192494A	163 × 86 × 350	8.5
Mercedes BENZ	41272212	327 × 217 × 618	10.5
Mercedes BENZ	0010941004	227 × 117 × 381	10.5
VOLVO	8149961	333 × 199 × 417	–
VOLVO	475755	270 × 177 × 577	11
VOLVO	8149064	305 × 150 × 414	–
VOLVO	1544449	350 × 211 × 366	10.5
VOLVO	1660903	197 × 166 × 320	10.5
VOLVO	475386	310 × 200 × 368	10.5

Brand	Original Part Number	Filter Element Dimension (mm) OD × ID1 × H	Bottom End Cap Inner Diameter ID2 (mm)
VOLVO	1080918	271 × 160 × 600	–
VOLVO	0010944704	228 × 116 × 383	10.5
VOLVO	1660376	270 × 177 × 577	10.5
VOLVO	1665563	259 × 184 × 545	–
SCANIA	0030945004	302 × 192 × 475	10.5
IVECO	370754	301 × 191 × 475	10.5
IVECO	395773	302 × 192 × 379	11
IVECO	197946201	310 × 132 × 496	11
IVECO	P117437	280 × 170 × 418	17
IVECO	107029	306 × 196 × 521	17
IVECO	2992374	327 × 217 × 482	10.5
IVECO	P150706	173 × 88 × 368	17
IVECO	41272212	327 × 217 × 618	10.5
IVECO	1904581	150 × 71 × 336	8.5
IVECO	1905983	243 × 132 × 286	10.5
IVECO	41272515	327 × 217 × 515	10.5
RENAULT	70660360	234 × 123 × 345	17
RENAULT	AZ39761	306 × 196 × 423	17
RENAULT	5010066304	307 × 194 × 472	17
RENAULT	0003564135	324 × 212 × 533	4.5
RENAULT	P117797	264 × 153 × 568	4.5
RENAULT	5010094146 5000751674	281 × 171 × 391	17
RENAULT	70662471 70662477	164 × 135 × 408	17
RENAULT	7411394	306 × 195 × 398	17
RENAULT	5010064372	162 × 134 × 381	17
RENAULT	P117437	281 × 171 × 421	17
RENAULT	219517	242 × 132 × 496	10.5
RENAULT	0010944704	228 × 116 × 381	10.5
RENAULT	5000559401 5001860615	166 × 76 × 321	–
RENAULT	17801-A0108	190 × 102 × 243	22
HINO	17801-2410	190 × 104 × 243	22
HINO	17801-2490	306 × 196 × 495	23
HINO	17801-2550	306 × 196 × 469	17
HINO	17801-2900	160 × 132 × 312	17
HINO	17801-1020	306 × 196 × 469	17
HINO	17801-2290	306 × 196 × 418	23
HINO	17801-2910	277 × 165 × 367	23
MANN	C23440/1	228 × 116 × 381	10.5
MANN	2165044	163 × 86 × 350	8.5
MANN	C20325/2	198 × 132 × 376	8.5
MANN	219517	242 × 132 × 496	10.5
MANN	0030945004	303 × 192 × 475	10.5
MANN	0030941504	303 × 192 × 475	10.5
MANN	P778441	243 × 132 × 376	10.5
DAF	197946201	242 × 126 × 420	10.5
DAF	395773	302 × 191 × 381	10.5
DAF	218989	197 × 103 × 376	8.5
DAF	0010944704	227 × 117 × 381	10.5
DAF	219517	242 × 132 × 496	10.5
DAF	16546-T3401	155 × 79 × 201	13.5

Plastic End Cap & Inner Tube

The plastic end cap and inner tube of the automotive filter are important components of the automotive filter, primarily used to support and seal the filter material, and help the filter media work efficiently within the automotive system. The plastic end cap is the end plate at both ends of the automotive filter, usually made of high temperature resistant and corrosion resistant plastic materials (such as nylon, ABS, PP, etc.). It features lightweight, anti-corrosion, and chemical resistance. The inner tube (also known as the center tube or support tube) is a cylindrical structure installed inside the filter element of the filter, usually made of plastic. Its main function is to support the filter material, preventing it from collapsing or deforming due to airflow or liquid flow.

Type 1



Size (mm)	Original Part Number
Top Caps: OD: 94, ID: 26	ME222135
Bottom Caps: OD: 94	
Inner Tube: OD: 49, ID: 41, H: 79	

Type 2

	Size (mm)		Original Part Number	
	Top Caps: OD: 73, ID: 32.5		2D0127177	2D0127159
			15430-PLZ-D00	93190777
	Plastic Part: OD: 46, ID: 33		97223218	OX163
			650300	HU820X

Type 3

	Size (mm)		Original Part Number	
	Top Caps: OD: 81.5, ID: 40.5, H: 18.5		XNE113 504170771	
	Bottom Caps: OD: 81, ID: 14.5, H: 28.5			
	Inner Tube: OD: 34, ID: 29.5, H: 111			

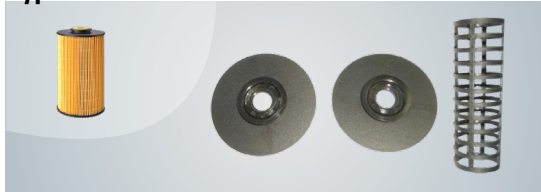
Type 4

	Size (mm)		Original Part Number	
	Top Caps: OD: 42.8, Total Height: 6.1, ID: 15.9, H: 3.5		13M10	U58/1
			E102UD179	10151970B
	Bottom Caps: OD: 42.8, H: 6.8		0001420089	0001420289
			0019903080	A0001420289
		Inner Tube Height: 84.2	A0001420089	

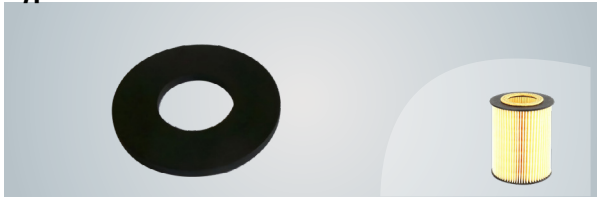
Type 5

	Size (mm)		Original Part Number	
	Top Caps: OD: 66, ID: 18		HU7018Z	0071771649
			31152017F	31152019F
	Bottom Caps: OD: 66		68109834AA	71771649
			K68109834AA	K68109834AA
		Inner Tube: OD: 38, ID: 33, H: 95	1-68109834AA	E216HD301

Type 6

	Size (mm)		Original Part Number	
	Top Caps: OD: 83, ID: 15		614080739	4220920051
			P811	E10KP
	Inner Tube: OD: 42, ID: 38, H: 127		E10KPD10	

Type 7



Size (mm)	Original Part Number
Top and Bottom Caps: OD: 52, ID: 24, T: 3	1457429147

Type 8



Size (mm)	Original Part Number
Top Caps: OD: 90, ID: 21.5, H: 47.5	77366216
Bottom Caps: OD: 66, ID: 15, H: 4.5	77366607
Cap mi: OD: 72, ID: 66, H: 21	818021
Inner Tube: OD: 36, ID: 31, H: 90.5	FFH-4010

Type 9



Size (mm)	Original Part Number
Top Caps: OD: 48.5, ID: 23, H: 19	1457436033
Bottom Caps: OD: 44.5, ID: 22, H: 15	417283

Type 10



Size (mm)	Original Part Number
Outer Mesh: OD: 70, ID: 67, H: 96	11811-NY025 ME354459

Type 11



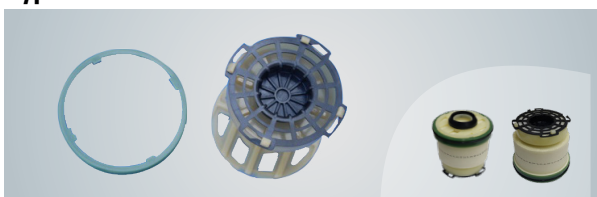
Size (mm)	Original Part Number
Top and Bottom Caps: OD: 47, ID: 27, H: 96	04152-31080 04152-31020 04152-31040 V9111-3007

Type 12



Size (mm)	Original Part Number
Top Caps: OD: 84, ID: 22	23390-78221 23390-78220
Bottom Caps: OD: 80, ID: 21	SFF7822E

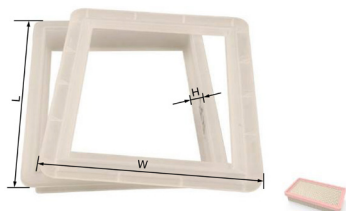
Type 13



Size (mm)	Original Part Number
Parts: 81 x 72 x 12	AB399176AC
Top Caps: OD: 72, ID: 22	1725552
Bottom Caps: OD: 72, ID: 27	U2Y0-13-ZA5
Inner Tube: OD: 81, ID: 72, H: 12	

Plastic Mold

Automotive air filter plastic molds are used for producing the housing of automotive air filters. These molds are typically used in injection molding processes, where molten plastic is injected into the mold and, after cooling and solidification, forms the required plastic parts. In the manufacturing process, the design and manufacturing quality of the mold are crucial to the quality and performance of the final product. The mold needs to accurately form the shape and dimensions of the filter housing to ensure the effectiveness and durability of the filter.

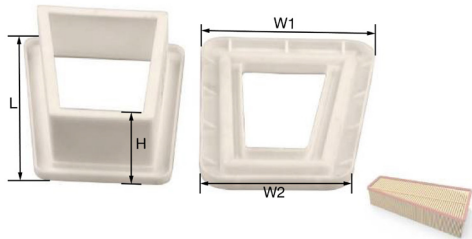


LMR Type

Brand	Original Part Number	Dimension L x W x H (mm)
BMW	13721707050	256 x 149 x 57
BMW	13721730946	243 x 178 x 58
BMW	13721726916	328 x 150 x 57
BMW	13721702907	286 x 150 x 57
BMW	13712243783	576 x 166 x 49
BMW	13712245401	393 x 166 x 41
BMW	13721247405	236 x 235 x 42
FORD	1S719601AA	340 x 143 x 50
FORD	E6AZ9601B	285 x 157 x 30
FORD	F3XY9601A	276 x 169 x 40
FORD	FA1658	222 x 193 x 57
FORD	FA1679	311 x 166 x 42
GM	25062071	254 x 212 x 57
GM	4213583	275 x 134 x 39
GM	83500999	277 x 227 x 54
GM	4573031	318 x 180 x 37
GM	25096932	270 x 203 x 43
GM	835615	340 x 206 x 43
GM	24508572	270 x 201 x 42
GM	25062434	309 x 230 x 27
GM	834264	309 x 230 x 29
GM	90531003	292 x 234 x 43
GM	835622	292 x 234 x 43
GM	25062227	287 x 185 x 42
GM	834296	287 x 185 x 42
GM	90486296	212 x 166 x 39
GM	90448737	262 x 242 x 38
GM	835617	262 x 244 x 58
GM	25097919	359 x 106 x 43
GM	25099735	274 x 166 x 38
GM	25098845	194 x 153 x 42
GM	25042562	406 x 201 x 42
GM	25313348	311 x 246 x 50
GM	835609	263 x 245 x 27
HYUNDAI/KIA	2811322010	234 x 156 x 45
HYUNDAI/KIA	2811322600	250 x 170 x 43
HYUNDAI/KIA	2811323001	260 x 180 x 39
HYUNDAI/KIA	281132D000	256 x 174 x 41
HYUNDAI/KIA	OK55223603A	306 x 198 x 57
HYUNDAI/KIA	OK2A513Z40A	332 x 171 x 39
HYUNDAI/KIA	OK30C13Z40A	270 x 144 x 40
HYUNDAI/KIA	OK20113Z00	255 x 156 x 40
ISUZU	8941516143	283 x 165 x 34

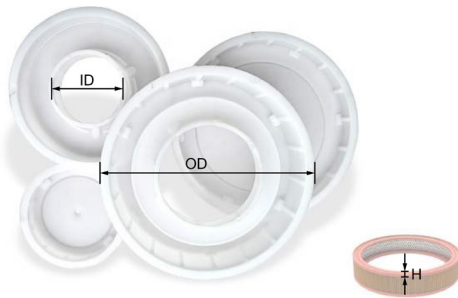
Brand	Original Part Number	Dimension L x W x H (mm)
MAZDA	B33G13Z40	239 x 147 x 38
MAZDA	E5D323603	230 x 194 x 45
MAZDA	PN1113Z40	338 x 138 x 34
MAZDA	HE1923603	249 x 168 x 39
MERCEDES BENZ	0010947804	395 x 295 x 82
MERCEDES BENZ	6010940004	287 x 170 x 50
MERCEDES BENZ	6020940104	379 x 170 x 58
MERCEDES BENZ	6020940404	228 x 221 x 60
MERCEDES BENZ	6040940004	294 x 228 x 57
MERCEDES BENZ	0030946104	332 x 156 x 44
MERCEDES BENZ	0030946804	338 x 100 x 58
MERCEDES BENZ	1120940004	355 x 135 x 50
MERCEDES BENZ	0030947104	306 x 171 x 59
MERCEDES BENZ	6380900051	330 x 265 x 70
MERCEDES BENZ	1110940304	517 x 86 x 58
MERCEDES BENZ	1110940204	463 x 86 x 70
MERCEDES BENZ	6610944504	266 x 192 x 60
MITSUBISHI	MR127077	340 x 168 x 47
MITSUBISHI	MR127078	343 x 168 x 58
NISSAN	16546V0100	281 x 166 x 35
NISSAN	1654673C10	229 x 169 x 35
NISSAN	1654675000	288 x 245 x 37
NISSAN	165460B000	276 x 185 x 42
NISSAN	16546000AC	316 x 262 x 42
OPEL	834358	254 x 212 x 57
OPEL	834288	254 x 213 x 42
OPEL	834297	287 x 185 x 43
PEUGEOT	144486	298 x 101 x 49
PEUGEOT	1444A9	325 x 156 x 58
PEUGEOT	1444F3	325 x 156 x 58
PEUGEOT	1444H0	207 x 170 x 60
PEUGEOT	1444H3	206 x 169 x 84
PEUGEOT	1444W9	379 x 139 x 50
PEUGEOT	1444K8	334 x 134 x 57
RENAULT	7701409312	290 x 135 x 47
RENAULT	7701036270	296 x 86 x 42
RENAULT	7701042841	209 x 101 x 49
RENAULT	7700699068	384 x 115 x 57
RENAULT	7701047285	314 x 101 x 42
RENAULT	7701044595	316 x 262 x 42
RENAULT	7700678752	345 x 115 x 56
RENAULT	7701047417	282 x 151 x 50
RENAULT	7700111834	234 x 194 x 60
RENAULT	8200023480	375 x 82 x 57
VOLVO	30850831	342 x 169 x 41
VOLVO	53004383	342 x 169 x 41
VOLVO	9161033	287 x 213 x 45
VOLKSWAGEN	058133843	254 x 212 x 57
VOLKSWAGEN	7M0129620A	314 x 213 x 60

LMT Type



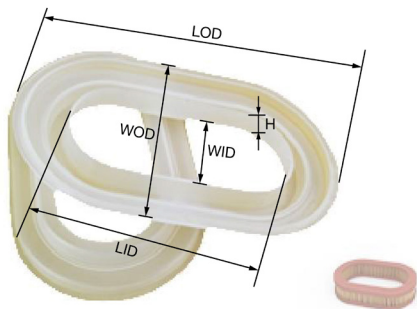
Brand	Original Part Number	Dimension L × W1 × W2 × H (mm)
RENAULT	7701045724	177 × 140 × 98 × 75
PEUGEOT	1444H9	272 × 202 × 110 × 58

LMO Type



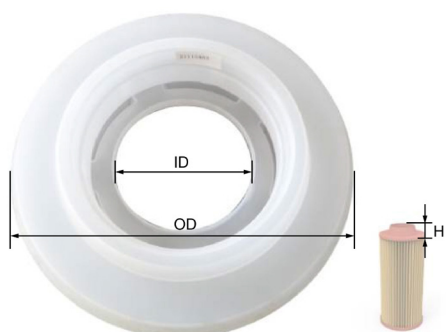
Brand	Original Part Number	Dimension OD × ID × H (mm)
BMW	13721257764	315 × 242 × 51
GM	25040929	247 × 207 × 77
GM	25062419	265 × 202 × 53
GM	93152533	237 × 184 × 50
MAZDA	F80123603	282 × 215 × 57
MAZDA	B30113Z40	214 × 157 × 45
MERCEDES BENZ	0020948704	407 × 326 × 84
MERCEDES BENZ	0020948804	407 × 326 × 64
NISSAN	1654689W00	250 × 200 × 71
NISSAN	1654650100	262 × 200 × 61
NISSAN	16546U6710	286 × 232 × 60
RENAULT	7701349026	257 × 193 × 60
RENAULT	7701034872	265 × 208 × 64
RENAULT	7701047655	257 × 199 × 92
SUZUKI	1378078100	203 × 155 × 47
TOYOTA	1780187701	230 × 174 × 51
TOYOTA	1780113010	188 × 110 × 57

LMI Type



Brand	Original Part Number	LOD (mm)	LID (mm)	WOD (mm)	WID (mm)	H (mm)
MAZDA	E30123603	286	230	228	172	46
MITSUBISHI	MD603384	243	165	153	75	149
HUMMER	AF25322	243	140	163	60	93

LMS Type



Brand	Original Part Number	Dimension OD × ID × H (mm)
POLARIS	7081864	140 × 78 × 302
AUTO MAN	81083040093	249 × 119 × 500
MANN	C14200	124 × 74 × 320
MANN	C26980	251 × 159 × 480
MANN	C281275	281 × 200 × 563
MANN	C17337/2	163 × 95 × 355
MANN	C25730/1	249 × 119 × 383
MANN	C26980	249 × 170 × 479
MANN	81084050018/C261005	255 × 129 × 458
MANN	81084050026/C25860/1	248 × 150 × 415
MANN	81083040100/C271170	265 × 170 × 481
MANN	81084050021/C271250/1	267 × 170 × 511
MANN	81083040083/C301353	303 × 167 × 477
IVECO	93828280	174 × 104 × 395
IVECO	42471161	247 × 139 × 334
IVECO	1902486	160 × 100 × 236
IVECO	1902457	160 × 100 × 251
IVECO	41272124	313 × 205 × 461
Donaldson	P549523/P549530	307 × 172 × 457
VOLVO	RS3715	90 × 45 × 178
VOLVO	2992388	228 × 150 × 415
VOLVO	83084050001	250 × 170 × 479
VOLVO	21115483/ 21115501	184 × 174 × 387
VOLVO	1665898	328 × 199 × 428
VOLVO	7984940	289 × 208 × 588
VOLVO	20722726	310 × 179 × 463
TOYOTA	17741-23600-71	137 × 81 × 280
TOYOTA	RS3542	138 × 81 × 329
FORD	RS3501	135 × 94 × 305
ISUZU	1-14215204-0	280 × 176 × 466
MITSUBISHI	ME413501	280 × 150 × 370
MITSUBISHI	ME032781	236 × 132 × 406
MITSUBISHI	ME073160	235 × 131 × 413
FLEETGUARD	AF25767	240 × 147 × 539
FLEETGUARD	AF25704	246 × 125 × 443
FLEETGUARD	AF26199	231 × 150 × 415
FLEETGUARD	AF25139M	332 × 172 × 391
HINO	17801-2480	232 × 149 × 469
HINO	81084050018	255 × 130 × 458
HINO	81084050026	248 × 150 × 415
SCANIA	1510905	248 × 170 × 532
SCANIA	1485592	267 × 170 × 535
SCANIA	1387549	309 × 177 × 464
Carter	SEV551F/4	362 × 227 × 633
RENAULT	5001865723	310 × 180 × 463
RENAULT	5010230841	310 × 180 × 163
RENAULT	5010230916	310 × 180 × 553
RENAULT	3501843	126 × 86 × 311
DAF	1385791	244 × 125 × 343
DAF	1317409	281 × 150 × 483
DAF	1295090	281 × 150 × 525
DAF	1433690	215 × 116 × 336
DAF	1353115	281 × 150 × 507
DAF	1363023	267 × 170 × 420

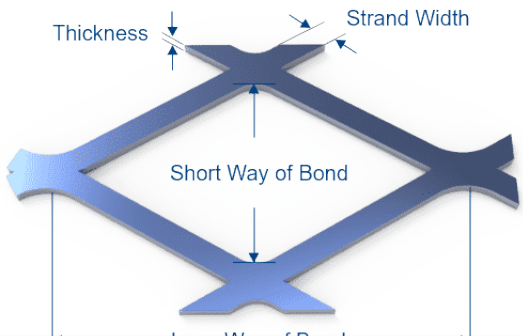
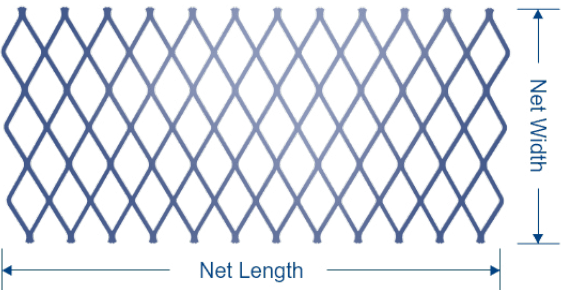
Metal Mesh

The metal mesh used in automotive filters refers to the metal mesh structure used in automotive filters, typically used to support the filter material of the filter element and provide additional strength and protection. The metal mesh is generally made of corrosion-resistant and high-temperature resistant metal materials such as stainless steel, galvanized steel, or aluminum alloy, used to enhance the structural stability and filtration performance of the filter. The metal mesh used in automotive filters provides support and protection, ensuring that the filter element can effectively filter under various working conditions while enhancing the overall performance and durability of the filter.



Expanded Metal Mesh

It can be widely used in air filters, hydraulic filters, and HEPA filters as a support mesh or protective mesh for filters, and withstand pressure.

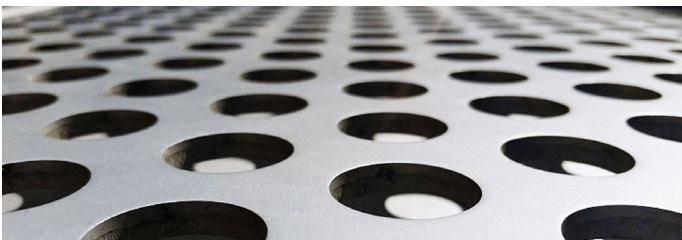


Material	Surface Treatment	Aperture (mm)	Sheet Thickness (mm)	Wire Width (mm)	Net Width (mm)	Net Length (m)	Application
Carbon steel	Galvanized	3 × 4, 4 × 6, 6 × 12, 5 × 10, 8 × 16, 7 × 12, 10 × 17, 10 × 12, 10 × 20, 15 × 30, 17 × 35 or custom	0.35/0.4 /0.5/0.6	1 or 1.25	109–1250 or custom	20	Inner or outer mesh of the filter

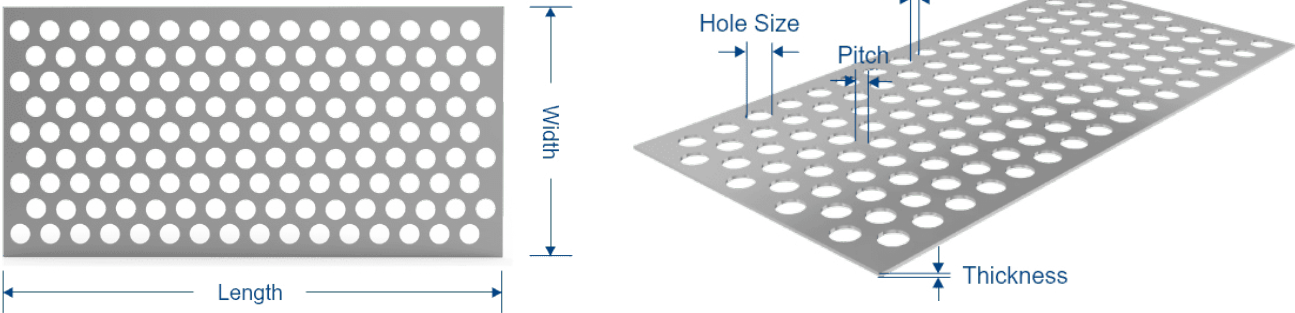
Note: The above are some common specifications and parameters. If you do not find a suitable product, you can contact our sales representative for detailed inquiries.

Perforated Metal Mesh

Perforated metal mesh widely used as a support center tube, and can also serve as an outer mesh to protect filters and withstand pressure.



Dimension Specification Diagram



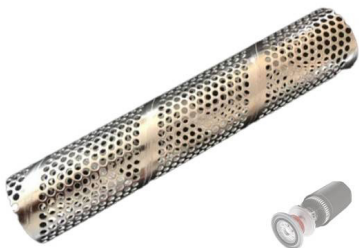
Specifications

Common Specifications of Perforated Metal Mesh				
Material	Aperture (mm)	Spacing (mm)	Thickness (mm)	Size (m)
Galvanized or Stainless Steel	4	2	0.4/0.5/0.6	1 × 20
	6	2		
	8	3		

Note: The above are some common specifications and parameters. If you do not find a suitable product, you can contact our sales representative for detailed inquiries.

Spiral Perforated Metal Mesh

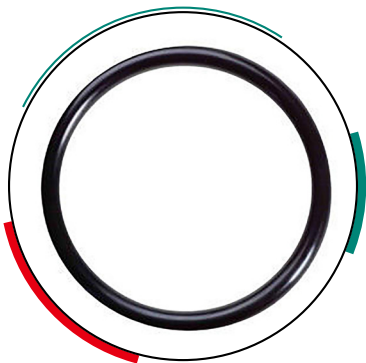
It is an alternative to perforated metal mesh, widely used as a support center tube, and can also serve as an outer mesh to protect filters and withstand pressure.



Material	Diameter	Thickness	Remarks
Stainless steel 304, 316, 316L	19–180 mm	0.6–3.5 mm	Dimensions and filter rating are produced according to customer requirements.

Rubber Seal Ring

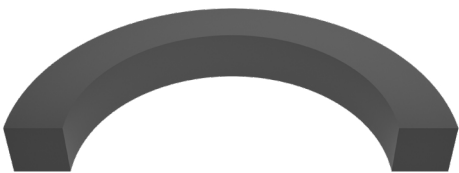
The rubber seal ring for automotive filters is used to seal the interface between the filter and the car engine or other system components, ensuring the filter's sealing and effectiveness. The function of the rubber seal ring is to prevent liquids (such as oil, fuel) or gases (such as air) from leaking or bypassing the filter media at the contact surface between the filter and other components, thereby ensuring the filter's filtration effect and the normal operation of the system. Rubber seal rings for automotive filters play a crucial role in ensuring the effectiveness of the filter and the normal operation of the engine system. By using appropriate materials and maintaining good upkeep, the sealing and overall performance of the filter can be ensured.



Type



Round Seal Ring



Square Seal Ring



Strip Seal Ring



Triangular Seal Ring

Specifications

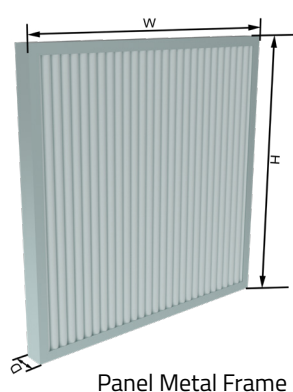
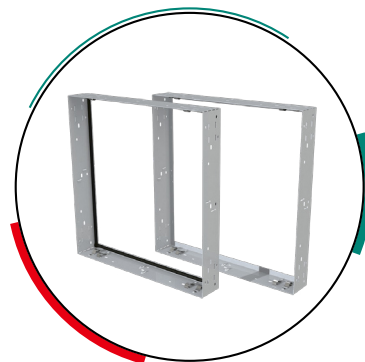
Shape	Color	Common Specifications (mm)	Remarks
Round, square, strip, triangle	Red, light green, yellow, black	Square Seal Ring: 8 × 8, 10 × 10, 12 × 12, 10 × 12 Triangle Seal Ring: 8 × 10, 10 × 12	Colors and sizes can be customized according to user requirements

HEPA Air Filter Accessories

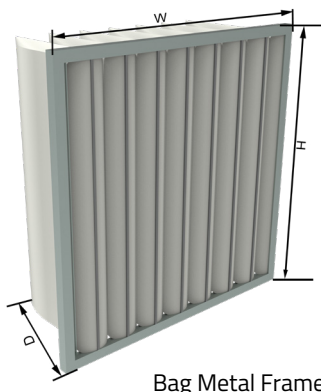
PLM Filter provides HEPA air filter accessories, including metal frames, paper frames, plastic frames, etc.

Metal Frame

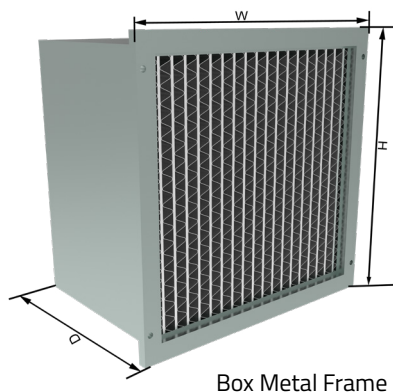
The metal frame for air filtration units is a frame made of metal materials (such as aluminum alloy, stainless steel, galvanized steel, etc.), primarily used to support and secure the filter material of the air filtration unit. Compared to paper frames, metal frames have higher strength and durability, and can withstand greater airflow pressure and meet the demands of complex environments, making them suitable for long-term use and high-intensity filtration applications. Due to its stability and long-term durability, metal frame filters are commonly used in large HVAC systems, industrial exhaust treatment systems, hospitals, laboratories, and other places requiring efficient filtration.



Panel Metal Frame



Bag Metal Frame

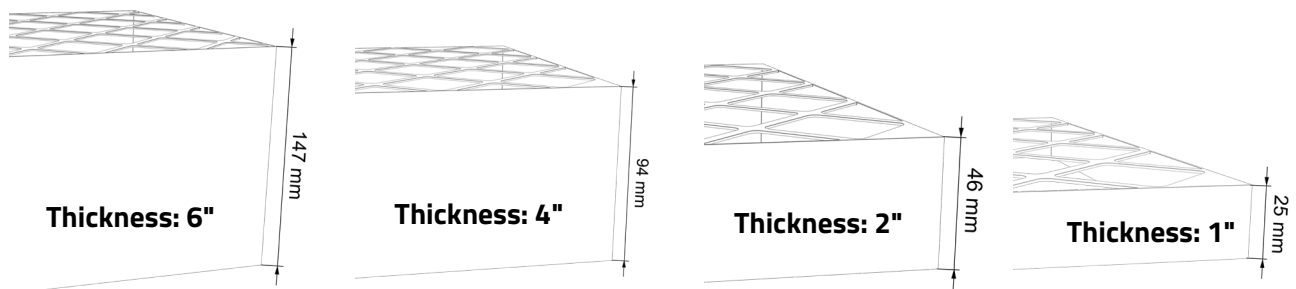


Box Metal Frame

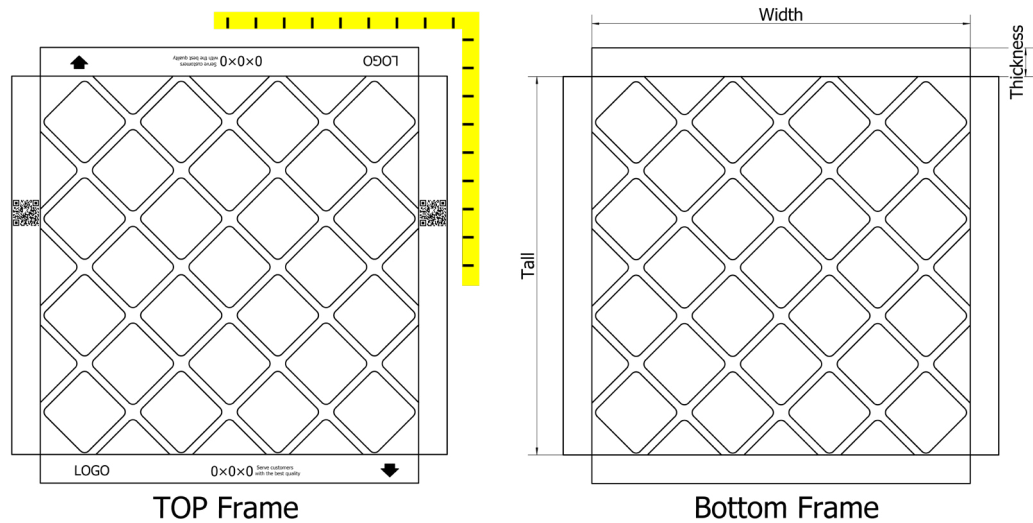
Model	Type	Material	H Height (mm)	W Width (mm)	D Depth (mm)	Bag Length	Flange
LMBJ-01	Panel type metal frame	Aluminum alloy	289	289	21	—	—
LMBJ-02	Panel type metal frame	Aluminum alloy	289	492	21	—	—
LMBJ-03	Panel type metal frame	Aluminum alloy	492	492	21	—	—
LMDJ-01	Bag type metal frame	Galvanized steel plate/ aluminum Alloy	592	490	—	500	—
LMDJ-02	Bag type metal frame	Galvanized steel plate/ aluminum alloy	592	592	—	500	—
LMDJ-03	Bag type metal frame	Galvanized steel plate/ aluminum alloy	592	287	—	500	—
LMXJ-01	Box type metal frame	Galvanized steel/ stainless steel	610	610	292	—	Single flange/ double flange
LMXJ-02	Box type metal frame	Galvanized steel/ stainless steel	305	610	292	—	Single flange/ double flange
LMXJ-03	Box type metal frame	Galvanized steel/ stainless steel	610	610	150	—	Single flange/ double flange
LMXJ-04	Box type metal frame	Galvanized steel/ stainless steel	305	610	150	—	Single flange/ double flange

Paper Frame

The paper frame for air filters is a frame made of high-strength cardboard, specifically designed to support and secure the filter material of air filters. The paper frame is lightweight and eco-friendly, effectively reducing the weight and cost of the filter while providing sufficient strength to support the filter media. Paper frames for air filtration units are typically used in HVAC systems (Heating, Ventilation, and Air Conditioning systems), household air purifiers, industrial dust removal systems, and other filtration needs, especially suitable for filters that do not require high strength and need regular replacement



Structure

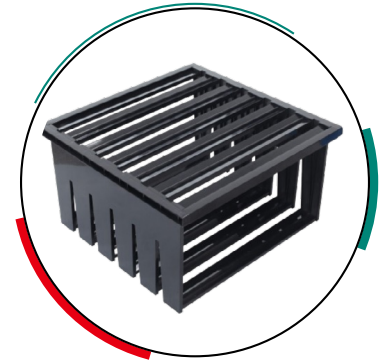


Specifications

Code Number	Height (mm)	Width (mm)	Depth (mm)
LMZK-46-1	594	594	46
LMZK-46-2	594	284	46
LMZK-94-1	594	594	94
LMZK-94-2	594	284	94

Plastic Frame

Plastic frames for air filtration units are made from plastic materials (such as ABS, PP, or PVC) and are primarily used to support and secure the filter material of the air filtration unit. Compared to paper frames and metal frames, plastic frames combine lightness and durability, and have good moisture-proof and corrosion-resistant properties, making them suitable for use in various environments. Plastic frame air filters are widely used in residential and commercial HVAC systems as well as air purifiers, especially suitable for places requiring moisture and corrosion resistance. It is commonly used in medium or high-efficiency filters and has a wide range of applications in industrial and household air purification.



V-Shaped Plastic Frame

6V 25 mm Medium Efficiency Plastic Frame



Width (W) (mm)	Height (H) (mm)	Depth (D) (mm)	Flange Thickness (T) (mm)
592	592	292	25
592	490	292	25
592	287	292	25
592	Any Size	292	25

5V 25 mm High-Efficiency Filter Frame



Width (W) (mm)	Height (H) (mm)	Depth (D) (mm)	Flange Thickness (T) (mm)
610	610	292	25
610	490	292	25
592	305	292	25
592	Any Size	292	25

5V 25 mm High-Efficiency Filter Frame



Width (W) (mm)	Height (H) (mm)	Depth (D) (mm)	Flange Thickness (T) (mm)
592	592	295	25
592	490	295	25
592	287	295	25
592	Any Size	295	25

5V 25 mm Medium Efficiency Plastic Frame (Non-Grooved Flat Strip)



Width (W) (mm)	Height (H) (mm)	Depth (D) (mm)	Flange Thickness (T) (mm)
592	592	292	25
592	490	292	25
592	287	292	25
592	Any Size	292	25

5V 25 mm Medium Efficiency Plastic Frame



Width (W) (mm)	Height (H) (mm)	Depth (D) (mm)	Flange Thickness (T) (mm)
592	592	292	25
592	490	292	25
592	287	292	25
592	Any Size	292	25

5V 20 mm Medium Efficiency Plastic Frame



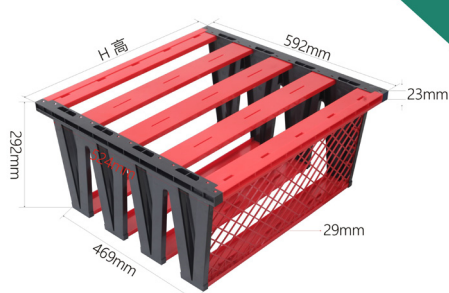
Width (W) (mm)	Height (H) (mm)	Depth (D) (mm)	Flange Thickness (T) (mm)
594	594	292	20
594	490	292	20
594	287	292	20
594	Any Size	292	20

4V 25 mm High Efficiency Plastic Frame



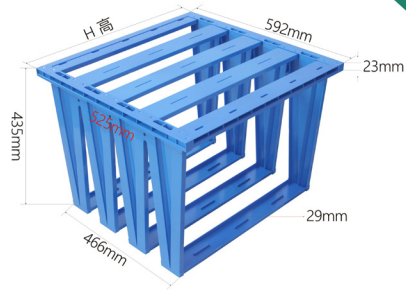
Width (W) (mm)	Height (H) (mm)	Depth (D) (mm)	Flange Thickness (T) (mm)
592	592	292	25
592	490	292	25
592	287	292	25
592	Any Size	292	25

4V 23 mm High Efficiency Plastic Frame



Width (W) (mm)	Height (H) (mm)	Depth (D) (mm)	Flange Thickness (T) (mm)
592	592	292	23

4V 23 mm High Efficiency Plastic Frame



Width (W) (mm)	Height (H) (mm)	Depth (D) (mm)	Flange Thickness (T) (mm)
592	592	435	23

4V 20 mm High Efficiency Plastic Frame



Width (W) (mm)	Height (H) (mm)	Depth (D) (mm)	Flange Thickness (T) (mm)
592	592	292	20
592	490	292	20
592	287	292	20
592	Any Size	292	20

4V 20 mm High Efficiency All-ABS European and American Standard Plastic Frame



Width (W) (mm)	Height (H) (mm)	Depth (D) (mm)	Flange Thickness (T) (mm)
592	592	292	20

4V 20 mm High Efficiency Plastic Frame with Air Holes



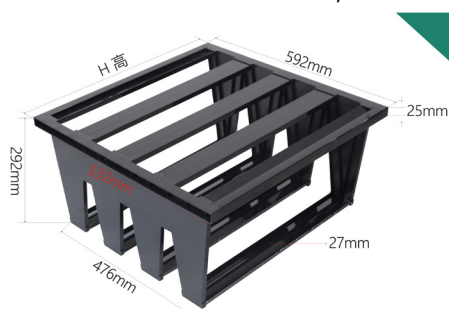
Width (W) (mm)	Height (H) (mm)	Depth (D) (mm)	Flange Thickness (T) (mm)
592	592	292	20
592	490	292	20
592	287	292	20
592	Any Size	292	20

4V 25 mm Medium Efficiency Plastic Frame



Width (W) (mm)	Height (H) (mm)	Depth (D) (mm)	Flange Thickness (T) (mm)
592	592	400	25
592	490	400	25
592	287	400	25
592	Any Size	400	25

New 4V 25 mm Medium Efficiency Plastic Frame (Hollow Middle Strip)



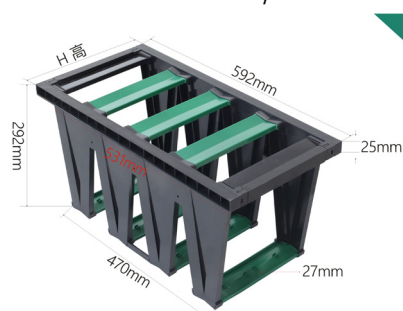
Width (W) (mm)	Height (H) (mm)	Depth (D) (mm)	Flange Thickness (T) (mm)
592	592	292	25
592	490	292	25
592	287	292	25
592	Any Size	292	25

4V 25 mm Medium Efficiency Plastic Frame



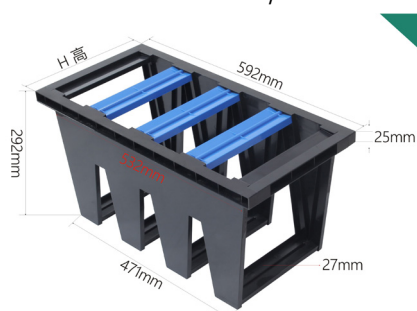
Width (W) (mm)	Height (H) (mm)	Depth (D) (mm)	Flange Thickness (T) (mm)
592	592	292	25
592	490	292	25
592	287	292	25
592	Any Size	292	25

4V 25 mm Medium Efficiency Plastic Frame



Width (W) (mm)	Height (H) (mm)	Depth (D) (mm)	Flange Thickness (T) (mm)
592	592	292	25
592	287	292	25

4V 25 mm Medium Efficiency All-ABS Plastic Frame



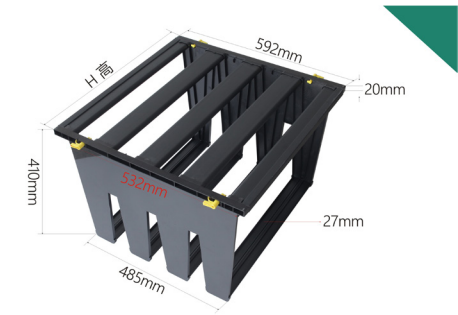
Width (W) (mm)	Height (H) (mm)	Depth (D) (mm)	Flange Thickness (T) (mm)
592	592	292	25
592	287	292	25

New 4V 21 mm Medium Efficiency Widened Plastic Frame



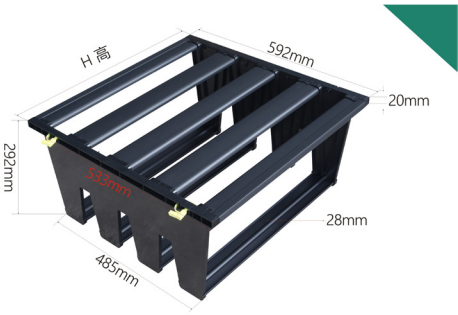
Width (W) (mm)	Height (H) (mm)	Depth (D) (mm)	Flange Thickness (T) (mm)
592	592	292	21
592	490	292	21
592	287	292	21
592	Any Size	292	21

4V 20 mm All-ABS Medium Efficiency Plastic Frame with Air Holes



Width (W) (mm)	Height (H) (mm)	Depth (D) (mm)	Flange Thickness (T) (mm)
592	592	410	20

4V 20 mm All-ABS Medium Efficiency Plastic Frame with Air Holes



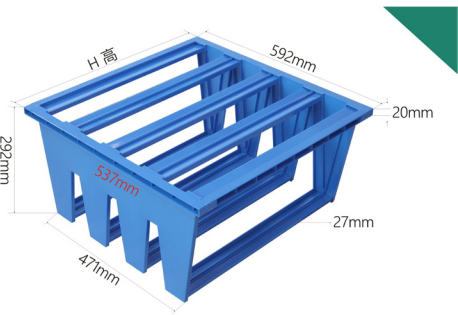
Width (W) (mm)	Height (H) (mm)	Depth (D) (mm)	Flange Thickness (T) (mm)
592	592	292	20
592	490	292	20
592	287	292	20
592	Any Size	292	20

4V 20 mm Medium Efficiency Plastic Frame



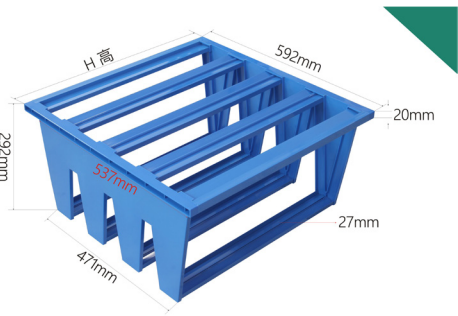
Width (W) (mm)	Height (H) (mm)	Depth (D) (mm)	Flange Thickness (T) (mm)
592	592	400	20
592	490	400	20
592	287	400	20

4V 20 mm All-ABS Medium Efficiency Plastic Frame



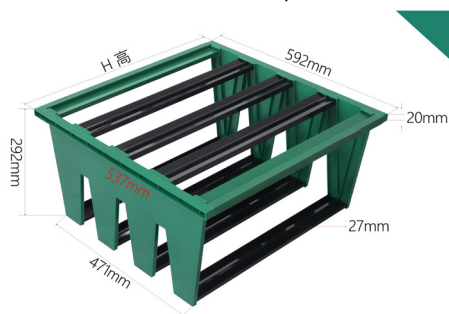
Width (W) (mm)	Height (H) (mm)	Depth (D) (mm)	Flange Thickness (T) (mm)
592	592	292	20

4V 20 mm Medium Efficiency Plastic Frame



Width (W) (mm)	Height (H) (mm)	Depth (D) (mm)	Flange Thickness (T) (mm)
592	592	292	25
592	490	292	25
592	287	292	25
592	Any Size	292	25

4V 20 mm Medium Efficiency Plastic Frame



Width (W) (mm)	Height (H) (mm)	Depth (D) (mm)	Flange Thickness (T) (mm)
592	592	292	20
592	490	292	20
592	287	292	20
592	Any Size	292	20

4V 20 mm Medium Efficiency Plastic Frame (Hollow Middle Strip)



Width (W) (mm)	Height (H) (mm)	Depth (D) (mm)	Flange Thickness (T) (mm)
592	592	440	20
592	490	440	20
592	287	440	20
592	Any Size	440	20

4V 20 mm Medium Efficiency Plastic Frame (Optional Flat Middle Strip)



Width (W) (mm)	Height (H) (mm)	Depth (D) (mm)	Flange Thickness (T) (mm)
592	592	400	20
592	490	400	20
592	287	400	20
592	Any Size	400	20

4V 20 mm Medium Efficiency Plastic Frame



Width (W) (mm)	Height (H) (mm)	Depth (D) (mm)	Flange Thickness (T) (mm)
490	592	292	20
490	490	292	20
490	287	292	20
490	Any Size	292	20

3V 25 mm Medium Efficiency Plastic Frame



Width (W) (mm)	Height (H) (mm)	Depth (D) (mm)	Flange Thickness (T) (mm)
592	592	292	25
592	490	292	25
592	287	292	25
592	Any Size	292	25

3V 25 mm New Structure Medium Efficiency Plastic Frame



Width (W) (mm)	Height (H) (mm)	Depth (D) (mm)	Flange Thickness (T) (mm)
592	592	292	25
592	490	292	25
592	287	292	25
592	Any Size	292	25

3V 25 mm High Efficiency Plastic Frame



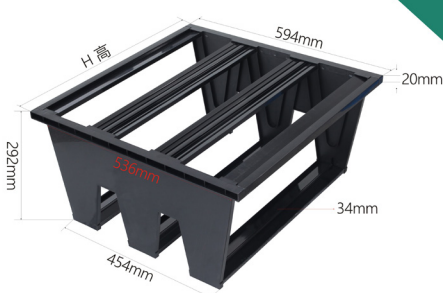
Width (W) (mm)	Height (H) (mm)	Depth (D) (mm)	Flange Thickness (T) (mm)
490	592	292	25
490	490	292	25
490	287	292	25
490	Any Size	292	25

3V 25 mm Medium Efficiency Plastic Frame



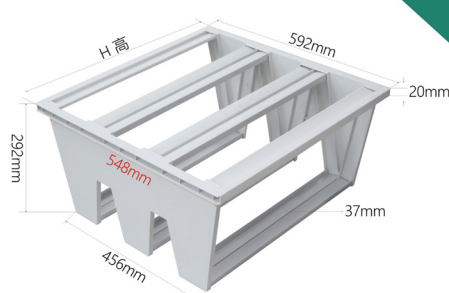
Width (W) (mm)	Height (H) (mm)	Depth (D) (mm)	Flange Thickness (T) (mm)
490	592	295	25
490	490	295	25
490	287	295	25
490	Any Size	295	25

3V 20 mm Medium Efficiency Plastic Frame



Width (W) (mm)	Height (H) (mm)	Depth (D) (mm)	Flange Thickness (T) (mm)
594	592	292	20
594	490	292	20
594	287	292	20
594	Any Size	292	20

3V 20 mm Medium Efficiency Plastic Frame



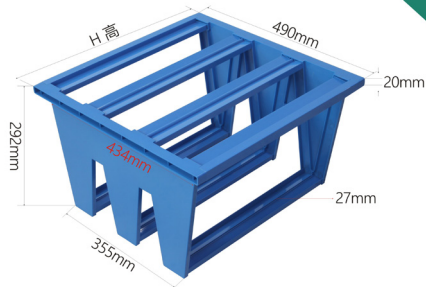
Width (W) (mm)	Height (H) (mm)	Depth (D) (mm)	Flange Thickness (T) (mm)
592	592	292	20

3V 20 mm Medium Efficiency Plastic Frame



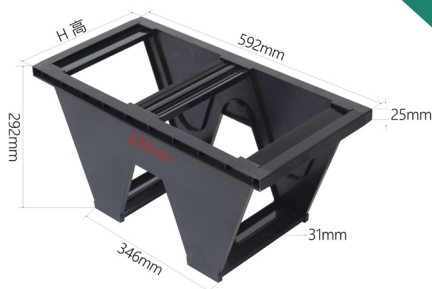
Width (W) (mm)	Height (H) (mm)	Depth (D) (mm)	Flange Thickness (T) (mm)
592	592	400	20
592	490	400	20
592	287	400	20
592	Any Size	400	20

3V 20 mm Medium Efficiency Plastic Frame



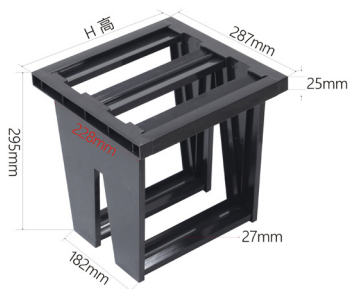
Width (W) (mm)	Height (H) (mm)	Depth (D) (mm)	Flange Thickness (T) (mm)
490	592	292	20
490	490	292	20
490	287	292	20
490	Any Size	292	20

2V 25 mm Medium Efficiency Plastic Frame



Width (W) (mm)	Height (H) (mm)	Depth (D) (mm)	Flange Thickness (T) (mm)
592	592	292	25
592	490	292	25
592	287	292	25
592	Any Size	292	25

2V 25 mm Medium Efficiency Plastic Frame



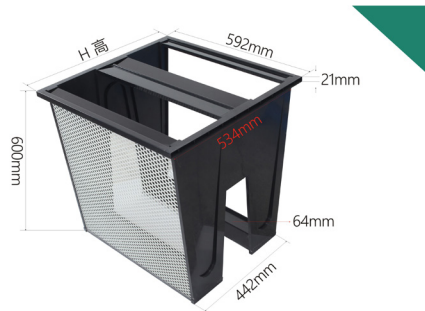
Width (W) (mm)	Height (H) (mm)	Depth (D) (mm)	Flange Thickness (T) (mm)
287	592	295	25
287	490	295	25
287	287	295	25
287	Any Size	295	25

2V 25 mm High Efficiency Plastic Frame



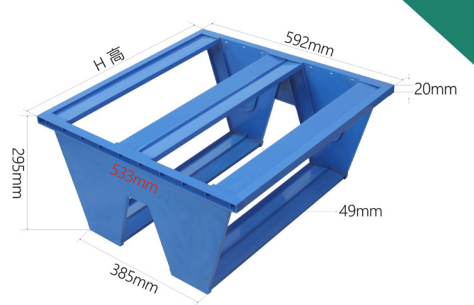
Width (W) (mm)	Height (H) (mm)	Depth (D) (mm)	Flange Thickness (T) (mm)
287	592	292	25
287	490	292	25
287	287	292	25
287	Any Size	292	25

2V 21 mm Medium Efficiency Plastic Frame



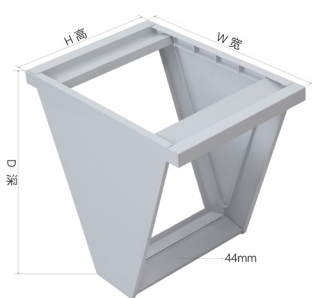
Width (W) (mm)	Height (H) (mm)	Depth (D) (mm)	Flange Thickness (T) (mm)
592	592	600	21
592	490	600	21
592	287	600	21
592	Any Size	600	21

2V 20 mm Medium Efficiency Plastic Frame



Width (W) (mm)	Height (H) (mm)	Depth (D) (mm)	Flange Thickness (T) (mm)
592	592	295	20
592	490	295	20
592	287	295	20
592	Any Size	295	20

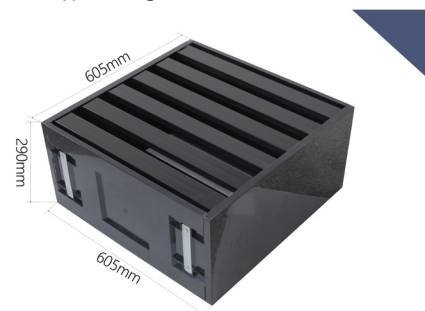
Single V Plastic Frame



Width (W) (mm)	Height (H) (mm)	Depth (D) (mm)
290	194	264
290	Any Size	264
390	274	359
390	Any Size	359
445	239	250
445	Any Size	250

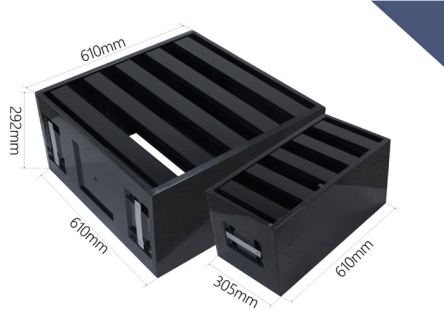
Panel Plastic Frame

6V Panel Type Flangeless Plastic Frame



Width (W) (mm)	Height (H) (mm)	Depth (D) (mm)
605	605	290

5V Panel Type Flangeless Plastic Frame



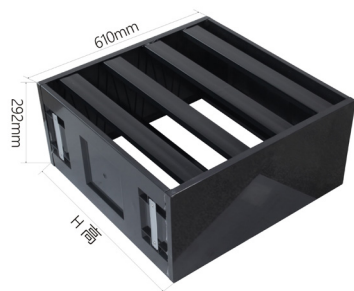
Width (W) (mm)	Height (H) (mm)	Depth (D) (mm)
610	610	292
610	305	292

5V Panel Type Flangeless Plastic Frame



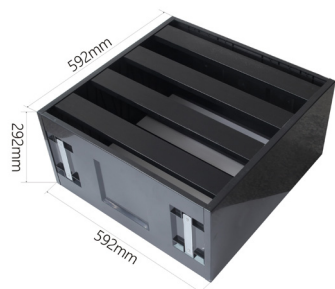
Width (W) (mm)	Height (H) (mm)	Depth (D) (mm)
592	592	292
592	287	292

4V Panel Type Flangeless Plastic Frame



Width (W) (mm)	Height (H) (mm)	Depth (D) (mm)
610	610	292
610	305	292

4V Panel Type Flangeless Plastic Frame



Width (W) (mm)	Height (H) (mm)	Depth (D) (mm)
592	592	292

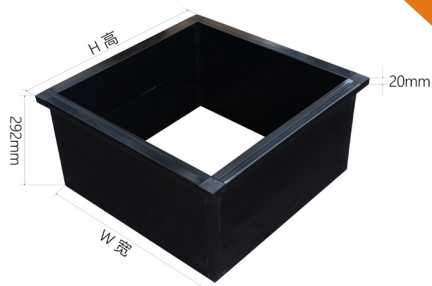
2V Panel Type Flangeless Plastic Frame



Width (W) (mm)	Height (H) (mm)	Depth (D) (mm)
305	610	292
305	305	292

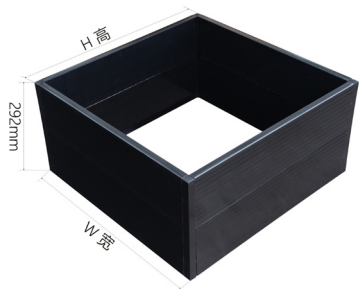
Box Plastic Frame

Profile with Flange Plastic Frame



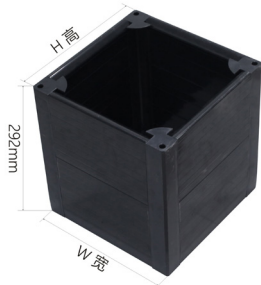
Width	Height	Depth
592	592 mm	292 mm
Any Size	Any Size	292 mm
Inner Diameter: 540±2 mm		

Profile without Flange Plastic Frame



Width	Height	Depth
592	592 mm	292 mm
Any Size	Any Size	292 mm
Inner Diameter: 580±2 mm		

Profile High-Efficiency Plastic Frame



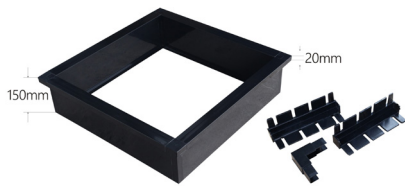
Width	Height	Depth
592	592 mm	292 mm
Any Size	Any Size	292 mm
Inner Diameter: 540±2 mm		

With Flange Plastic Frame



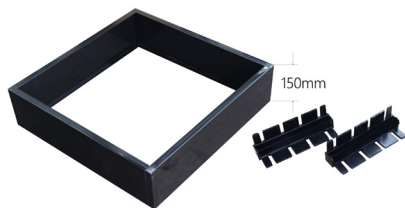
Width	Height	Depth
592	592 mm	292 mm
Inner Diameter: 540±2 mm		

150 mm Profile with Flange Plastic Frame



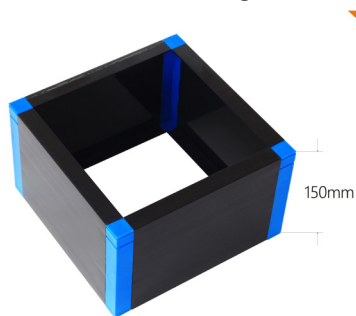
Width	Height	Depth
Any Size	Any Size	150 mm
Inner Diameter: 146 × 15 mm		

150 mm Profile without Flange Plastic Frame



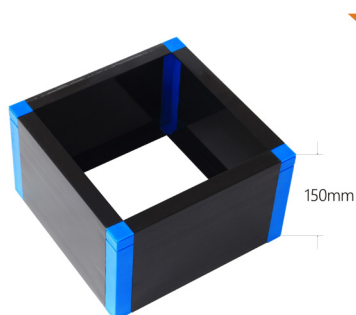
Width	Height	Depth
Any Size	Any Size	150 mm
Inner Diameter: 146 × 15 mm		

150 mm Profile without Flange Plastic Frame



Width	Height	Depth
Any Size	Any Size	150 mm
Inner Diameter: 146 × 15 mm		

150 mm Profile Filter Plastic Frame



Width	Height	Depth
Any Size	Any Size	150 mm
Inner Diameter: 146 × 15 mm		

130 mm Profile without Flange Filter Plastic Frame



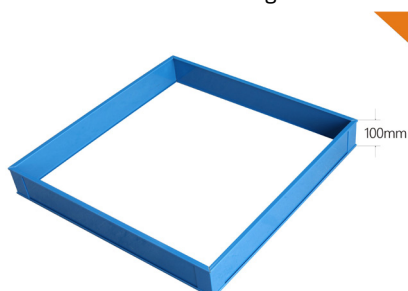
Width	Height	Depth
Any Size	Any Size	130 mm
Inner Diameter: 126 × 12 mm		

130 mm Profile without Flange Filter Plastic Frame



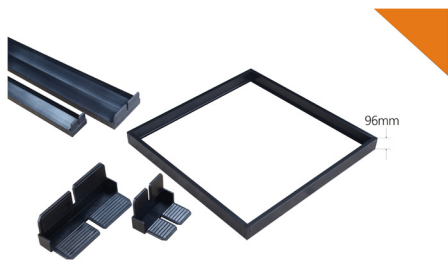
Width	Height	Depth
Any Size	Any Size	130 mm
Inner Diameter: 126 × 12 mm		

100 mm Profile without Flange Filter Plastic Frame



Width	Height	Depth
Any Size	Any Size	100 mm
Inner Diameter: 95 × 5 mm		

96 mm Profile Flangeless Filter Plastic Frame



Width	Height	Depth
Any Size	Any Size	96 mm
Inner Diameter: 93 × 8 mm		

96 mm Profile Filter Plastic Frame



Width	Height	Depth
Any Size	Any Size	96 mm
Inner Diameter: 90 × 15 mm		

96 mm Profile Flangeless Filter Plastic Frame



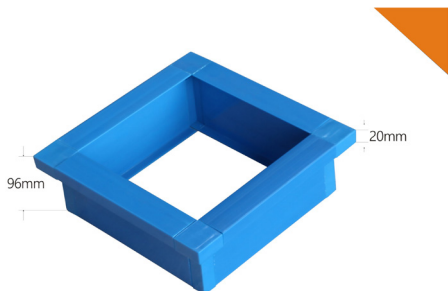
Width	Height	Depth
Any Size	Any Size	96 mm
Inner Diameter: 92 × 12 mm		

96 mm Profile Flangeless Filter Plastic Frame



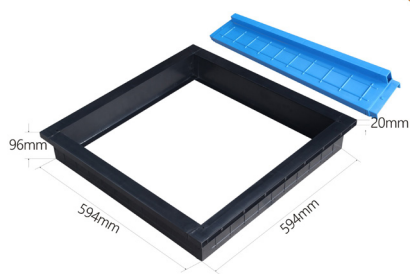
Width	Height	Depth
Any Size	Any Size	96 mm
Inner Diameter: 92 × 9 mm		

96 mm Profile Flanged Plastic Frame



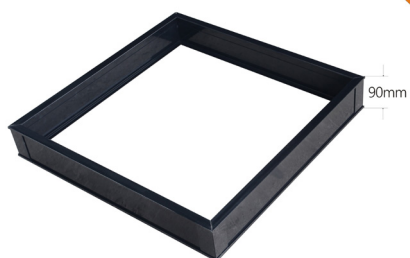
Width	Height	Depth
Any Size	Any Size	96 mm
Inner Diameter: 93 × 14 mm		

96 mm Profile Flanged Plastic Frame (One-time Injection Molding)



Width	Height	Depth
594 mm	594 mm	96 mm
Inner Diameter: 547 mm		

90 mm Angled Profile Filter Plastic Frame



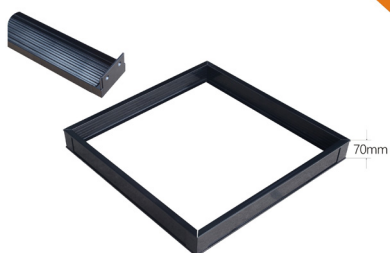
Width	Height	Depth
Any Size	Any Size	90 mm
Inner Diameter: 81 × 15 mm		

80 mm Profile Flangeless Filter Plastic Frame (45-degree and Right-angle Cuttable)



Width	Height	Depth
Any Size	Any Size	80 mm
Inner Diameter: 75 × 10 mm		

70 mm Profile Flangeless Filter Plastic Frame (45-degree and Right-angle Cuttable)



Width	Height	Depth
Any Size	Any Size	70 mm
Inner Diameter: 67 × 14 mm		

69 mm Profile Flangeless Filter Plastic Frame



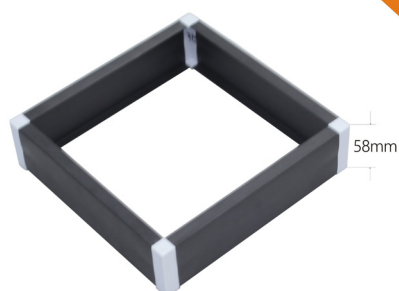
Width	Height	Depth
Any Size	Any Size	69 mm
Inner Diameter: 58 × 14 mm		

60 mm Angled Profile Filter Plastic Frame



Width	Height	Depth
Any Size	Any Size	60 mm
Inner Diameter: 56 × 15 mm		

58 mm Profile Flangeless Filter Plastic Frame



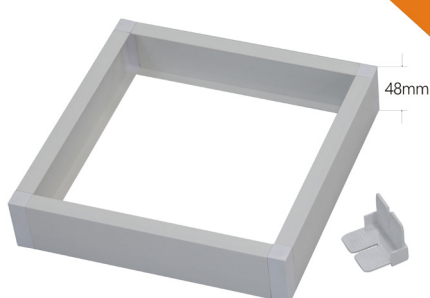
Width	Height	Depth
Any Size	Any Size	58 mm
Inner Diameter: 55 × 8 mm		

48 mm Angled Profile Filter Plastic Frame (Can be cut at 45 degrees and right angles)



Width	Height	Depth
Any Size	Any Size	48 mm
Inner Diameter: 43 × 15 mm		

48 mm Profile Hollow Plastic Frame



Width	Height	Depth
Any Size	Any Size	48 mm
Inner Diameter: 44 × 9 mm		

48 mm Profile Flangeless Filter Plastic Frame



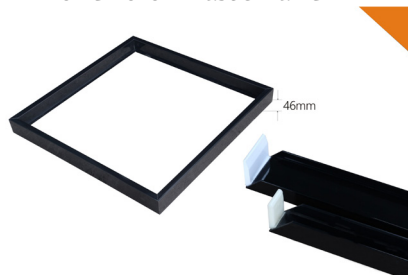
Width	Height	Depth
Any Size	Any Size	48 mm
Inner Diameter: 44 × 8 mm		

46 mm Profile Filter Plastic Frame (Can be cut at 45 degrees and right angles)



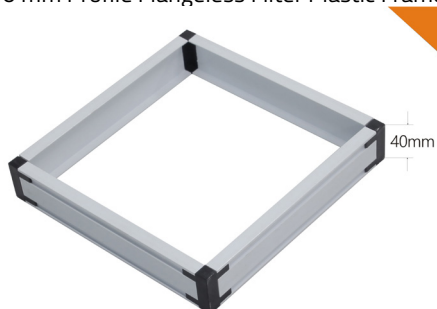
Width	Height	Depth
Any Size	Any Size	46 mm
Inner Diameter: 41 × 15 mm		

46 mm Profile Hollow Plastic Frame



Width	Height	Depth
Any Size	Any Size	46 mm
Inner Diameter: 41 × 11 mm		

40 mm Profile Flangeless Filter Plastic Frame



Width	Height	Depth
Any Size	Any Size	40 mm
Inner Diameter: 37 × 8 mm		

35 mm Profile Diamond Plastic Frame



Width	Height	Depth
Any Size	Any Size	35 mm
Inner Diameter: 30 × 13 mm		

25 mm Double-layer Beveled Profile Hollow Plastic Frame



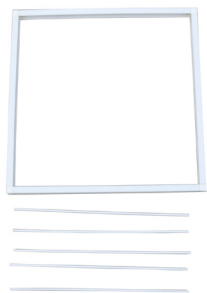
Width	Height	Depth
Any Size	Any Size	25 mm
Inner Diameter: 21 × 15 mm		

25 mm Profile Bag Filter Plastic Frame



Width	Height	Depth
Any Size	Any Size	25 mm
Inner Diameter: 21 × 13 mm		

25 mm Profile Bag Filter Plastic Frame



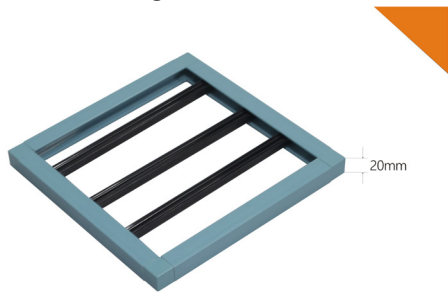
Width	Height	Depth
Any Size	Any Size	25 mm
Inner Diameter: 21 × 14 mm		

20 mm Double-layer Beveled Profile Hollow Plastic Frame



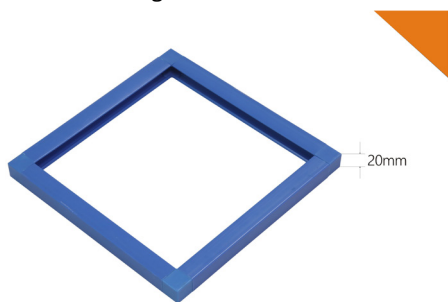
Width	Height	Depth
Any Size	Any Size	20 mm
Inner Diameter: 16 × 15 mm		

20 mm Profile Bag Filter Plastic Frame



Width	Height	Depth
Any Size	Any Size	20 mm
Inner Diameter: 16 × 13 mm		

20 mm Profile Bag Filter Plastic Frame



Width	Height	Depth
Any Size	Any Size	20 mm
Inner Diameter: 16 × 13 mm		

PP Bag Plastic Frame



Specifications (mm)	Inner Diameter (mm)
280 × 280	112

PP Medium Efficiency Plastic Frame



Specifications (mm)
300 × 300



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