

DikmaCap™ GC Column Application Selection Guide

DikmaCap™	Phase	Application
DM-1 & DM-1MS PA-1	100% dimethyl polysiloxane low polarity phase	Solvent impurities, PCBs, simulated distillation, drugs of abuse, gases, natural gas odorants, sulfur compounds, essential oils, hydrocarbons, semivolatiles, pesticides, oxygenates, free fatty acids.
DM-5 & DM-5MS PA-5	5% diphenyl 95% dimethyl polysiloxane low polarity phase	Drugs, solvent impurities, hydrocarbons, PCBs, essential oils, semivolatiles, alkaloids, phenols, FAMES, halogenated compounds, pesticides, herbicides, residual solvents.
DM-35 & DM-35MS PA-35	35% diphenyl 65% dimethyl polysiloxane midpolarity phase	Aromatic compounds, organochlorine pesticides, PCBs, herbicides, sterols, pharmaceuticals, rosin acids, phthalate esters.
DM-17 & DM-17MS PA-17	50% diphenyl 50% dimethyl polysiloxane midpolarity phase	Herbicides, pesticides, rosin acids, phthalate esters, triglycerides, sterols, antidepressants.
DM-1701 / PA-1701	14% cyanopropylphenyl 86% dimethyl polysiloxane midpolarity phase	Alcohols, oxygenates, PCBs, organochlorine pesticides, organophosphorus pesticides, herbicides, base/neutral and acids.
DM-624	6% cyanopropylphenyl 94% dimethyl polysiloxane low to midpolarity phase	Residual solvents, alcohols, oxygenates, volatile organic compounds, volatile organic pollutants.
DM-WAX / PA-WAX	polyethylene glycol (PEG) polar phase	Free organic acids, solvents, essential oils, alcohols, aldehydes, aromatic hydrocarbons, esters, FAMES, flavor compounds, halogenated components, ketones, nitro compounds, PAHs, phenols, sulfur compounds.
DM-FFAP / PA-FFAP	PEG for acidic compounds polar phase	Organic acids, solvents, alcohols, aldehydes, ketones, acrylates, some inorganic acids, esters, acidic compounds, fatty acids, flavor compounds.

DikmaCap™ GC Column Method Selection Guide

DikmaCap™	USP Methods	EPA Methods	ASTM Methods
DM-1 & DM-1MS PA-1	G1,G2,G9,G38	504.1, 505, 8141A	D 1946, D 2268, D 2426, D 2887, D 2998, D 2999, D 3054, D 3168, D 3328, D 3432, D 3447, D 3452, D 3465, D 3524, D 3606, D 3710, D 3876, D 4275, D 4367, D 4420, D 5134, D 5580
DM-5 & DM-5MS PA-5	G27,G36,G41	513, 515.2, 525, 552.2, 604, 606, 607, 609, 610, 611, 612, 613, 615, 619, 622, 625, 1625, 1653, 8015B, 8041, 8061A, 8082, 8091, 8100, 8121, 8141A, 8151A, 8270C, 8280A	D 2580, D 3086, D 3304, D 3534, D 4059
DM-35 & DM-35MS PA-35	G32,G42	551.1, 552.2, 607, 615, 622, 8082, 8141A,	
DM-17 & DM-17MS PA-17	G3,G17	619	
DM-1701 / PA-1701	G46	515.2, 552.2, 607, 619, 622, 8091, 8121, 8151A	
DM-624	G43	501.3, 502.2, 503.1, 504.1, 524.2 601, 602, 603, 624, 1624, 8010B, 8015B, 8021B, 8030A, 8260B	D 2908
DM-WAX / PA-WAX	G14,G15,G16,G20,G39	8121	D 2306, D 2600, D 2804, D 2908, D 3009, D 3271, D 3329, D 3687, D 3760, D 3797, D 3798, D 5060, D 5135-95, E 0202, E1100
DM-FFAP / PA-FFAP	G25,G35		D 3725, D 3962, D 4735, D 4768, D 5060

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About Dikma

Dikma Technologies Inc., established in 1993, is a global technology leader committed to developing novel separation and purification solutions for life sciences and related industries. Our core technology portfolio includes products for liquid chromatography, gas chromatography, sample preparation, and bulk purification chromatographic media. We also provide related chromatography accessories.

Quality

Dikma Technologies Inc. is an ISO 9001:2000 Standard Quality Assessed Company to ensure the quality and reliability of our products and services. We are dedicated to the highest standards of production, quality assurance and quality control.

Value

Dikma Technologies Inc. is committed to bringing maximum value to its customers.



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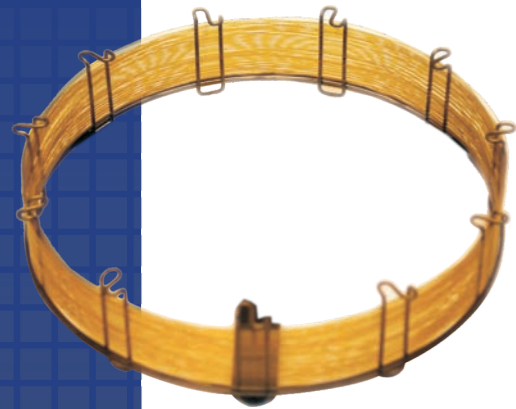
DikmaCap™ GC Columns



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DikmaCap™ GC Columns



About Dikma GC Products

Dikma Technologies Inc. is a leading developer and manufacturer of GC columns and accessories. Dikma GC products have gained their reputation from end users in the pharmaceutical/chemical/environmental/food fields, by offering columns of ultimate performance and maximum versatility to address challenges faced by and increasing needs of today's GC laboratories. DikmaCap™ (DM&PA) GC columns are the forefront of our unrivaled line of products.

DikmaCap™ GC Column Features

- The industry's tightest quality control specifications
- Better precision for better results and greater productivity
- Low bleed and high inertness for sensitivity and performance
- High efficiency, high throughput, and high resolution without the high costs
- Extensive GC column selection including variations in length, internal diameter, and film thickness
- Broad range of stationary phases, from low polarity to polar phase



DikmaCap™ GC Column Series:

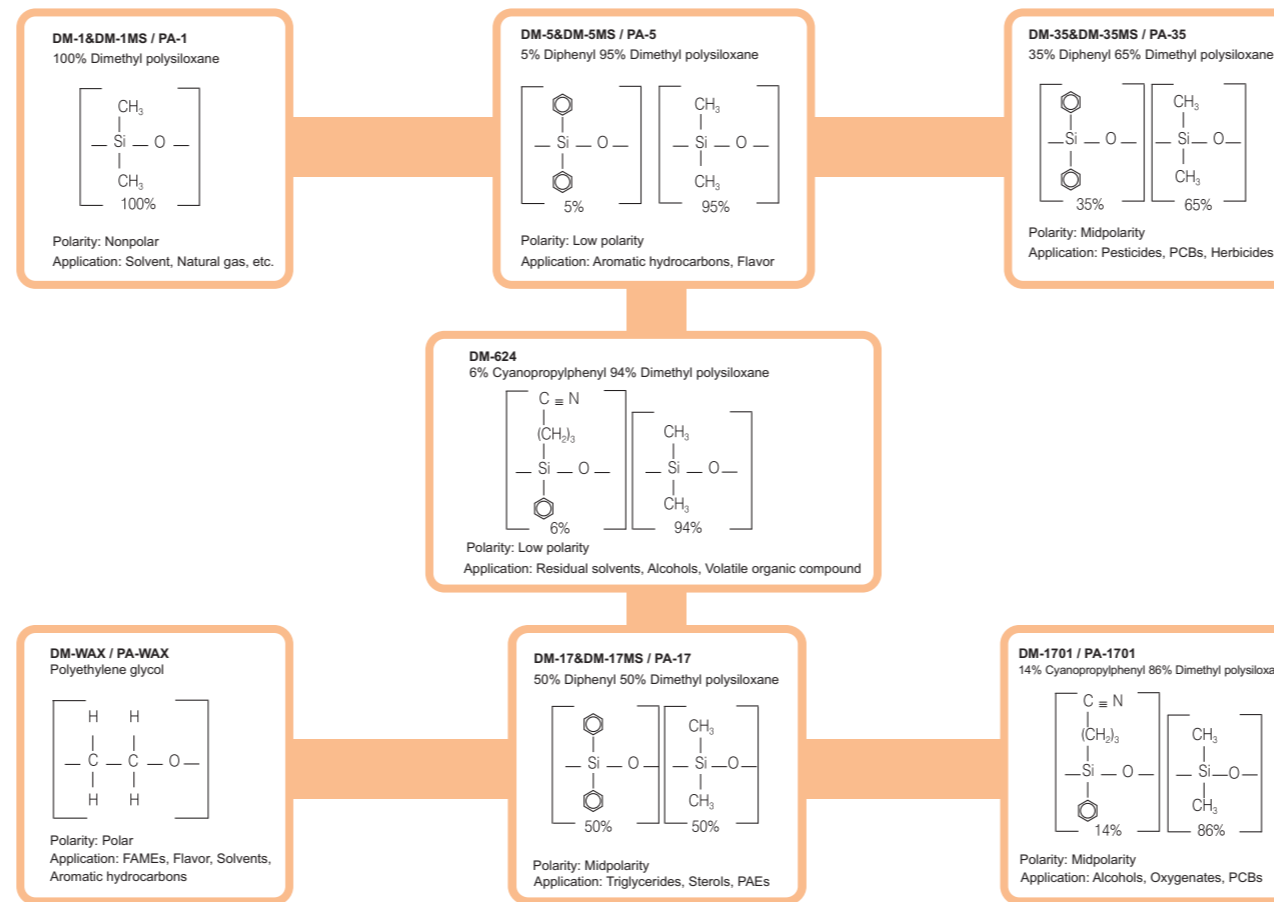
DM	DM-1&DM-1MS; DM-5&DM-5MS; DM-35&DM-35MS; DM-17&DM-17MS; DM-1701; DM-624; DM-WAX; DM-FFAP
PA	PA-1; PA-5; PA-35; PA-17; PA-1701; PA-WAX; PA-FFAP

DikmaCap™ offers DM and PA two series GC columns with length from 15m to 60m, internal diameter from 0.25mm to 0.53mm, film thickness from 0.10µm to 7.00µm. For more information, please contact us.

For ordering information, please visit our website at www.dikmatech.com or refer to our current catalog.

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Structures, Polarities, Properties, and Applications for DikmaCap™ GC Columns



DikmaCap™ GC Columns Cross Reference

DikmaCap™	Phase	Agilent	SGE	Restek	Supelco
DM-1 / PA-1	100% Dimethyl polysiloxane	HP-1, DB-1 CP Sil 5 CB	BP-1	Rtx-1, MXT-1	SPB-1, SP-2100
DM-1MS	100% Dimethyl polysiloxane	DB-1ms, SE-30 CP Sil 5 CB MS		Rtx-1 MS	SPB-1 Sulfur, SE-30
DM-5 / PA-5	5% Diphenyl 95% Dimethyl polysiloxane	HP-5, DB-5 CP Sil 8 CB	BP-5	Rtx-5, MXT-5	SPB-5, PTE-5, SE-54
DM-5MS	5% Diphenyl 95% Diphenyl polysilarylene	DB-5ms, DB-5ht, SE-54, CP Sil 8 CB MS		Rtx-5 MS	SAC-5, PTE-5, QTM
DM-35 / PA-35	35% Diphenyl 65% Dimethyl polysiloxane	HP-35, DB-35	BPX-35 BPX-608	Rtx-35, MXT-35	SPB-35, SPB-608
DM-35MS	35% Diphenyl 65% Dimethyl polysiloxane	DB-35MS VF-35MS	BP-35MS	Rxi-35Sil MS	-
DM-1701 / PA-1701	14% Cyanopropylphenyl 86% Dimethyl polysiloxane	HP-1701, PAS-1701 DB-1701, CP Sil 19 CB	BP-10	Rtx-1701, MXT-1701	SPB-1701
DM-17 & DM-17MS PA-17	50% Diphenyl 50% Dimethyl polysiloxane	HP-17, HP-50, CP Sil 24 CB DB-17, DB-17ht, DB-608	-	Rtx-50	SP-2250, SPB-50
DM-Wax / PA-Wax	Polyethylene glycol (PEG)	HP-INNOWax, DB-WAXetr CP Wax 52 CB	BP-20	Stabilwax, MXT-Wax	SUPELLOWAX-10
DM-FFAP / PA-FFAP	PEG for acidic compounds	HP-FFAP, DB-FFAP, CP Wax 58 CB	BP-21	Stabilwax-DA	Nukol, SP-1000
DM-624	6% Cyanopropylphenyl 94% Dimethyl polysiloxane	HP-1301, HP-624, DB-1301 DB-624, CP Select 624 CB	BP-624	Rtx-1301 Rtx-624	SPB-1301

DikmaCap™ GC Columns Applications

