



阀门电动执行器专业制造商
Professional manufacturer of valve electric actuator

提供OEM&ODM服务
Provide OEM & ODM services

Vegood 威固德

客户为先 品质至上 用心服务

Vegood 威固德

江苏威固德流体控制设备有限公司
Jiangsu Vegood Fluid Control Equipment Co.,Ltd.



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Raygas®

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江苏威固德流体控制设备有限公司
Jiangsu Vegood Fluid Control Equipment Co.,Ltd.

公司简介 | Company profile

江苏威固德流体控制设备有限公司是流体自控领域集产品研发、生产、销售为一体的阀门电动执行机构专业提供商。

公司注册资本1000万元，拥有各式加工中心、数控车床、钻床等智能化加工设备15台，智能化装配流水线2条及精密的检测仪器和设备。公司已通过ISO9001、ISO14001、ISO45001等管理体系认证和SIL、CE等安全认证，并获得多项发明、外观、实用新型专利及软件著作权。并依托自身技术实力自主研发开发了VGD系列智能电动执行机构，大类包括：普通型、智能开关型、智能调节型等，防爆型产品已取得ExdII BT4和ExdII CT4国家防爆证书。产品外观新颖、结构简单、控制准确、故障率低，具有高等级防水、防尘、防爆等功能，能很好的满足不同行业和应用环境的要求。

公司综合实力雄厚，拥有专业的研发团队和高效的生产模式，目前已具备年产电动执行机构20000台能力，销售服务网络遍布全国二十九个省、市、自治区，公司产品广泛应用于电力、冶金、石油、化工、制药、污水处理、农业灌溉等领域，并得到广大客户的一致好评。

公司奉行“客户为先，品质至上，用心服务”的经营理念，竭诚为客户提供最优解决方案和服务（可提供OEM及ODM服务）。

未来，威固德将立足国内，进军海外，实施“威固德”品牌战略。践行“至诚至信，客户至上；专业执着，精益求精；勇于创新，拥抱变化；稳步发展，回馈社会”的企业价值观，力求为工业领域的自动化、智能化发展提供最优的产品和服务。威固德期待与您的真诚合作！

Jiangsu Vegood Fluid Control Equipment Co., Ltd. is a professional supplier of valve electric actuator integrating product development, production and sales in the field of fluid intelligent control.

With a registered capital of 10 million yuan, the company has 15 sets of intelligent machining equipment such as various machining centers, CNC lathes and drilling machines, 2 intelligent assembly lines and precise testing instruments and equipment. The company has passed ISO9001, ISO14001, ISO45001 management system certification and SIL, CE and other safety certification, and obtained a number of invention, appearance, utility model patents and software copyright. And relying on its own technical strength, it has independently developed VGD series intelligent electric actuator, including general type, intelligent switch type and intelligent regulation type. The explosion-proof products have obtained ExdII BT4 and ExdII CT4 national explosion-proof certificates. The product has novel appearance, simple structure, accurate control, low failure rate, high-level waterproof, dust-proof, explosion-proof and other functions, which can well meet the requirements of different industries and application environments.

The company has strong comprehensive strength, has a professional R & D team and efficient production mode. At present, it has an annual output of 20000 electric actuators. Its sales service network covers 29 provinces, cities and autonomous regions in China. The company's products are widely used in electric power, metallurgy, petroleum, chemical industry, pharmaceutical, sewage treatment, agricultural irrigation and other fields, and is well received by the majority of customers.

The company adheres to the business tenet of "customer first, quality first, attentive service", and wholeheartedly provides customers with the best solutions and services (OEM and ODM services can be provided).

In the future, Vegood will be based at home and abroad and implement the brand strategy of "Vegood". Practice the enterprise values of "sincerity and trust, customer first, professional dedication, excellence; innovation, embracing change; steady development, giving back to the society", and strive to provide the best quality products and services for the automation and intelligent development of the industrial field. We look forward to your sincere cooperation!

企业文化 | Company culture

经营宗旨 ——

客户为先，品质至上，用心服务。

企业使命 ——

为客户创造价值，为员工创造机会，为社会创造效益。

企业愿景 ——

成为流体自控领域领导者！

企业价值观 ——

至诚至信，客户至上；专业执着，精益求精；勇于创新，拥抱变化；稳步发展，回馈社会。

Business purpose ——

Customer first, quality first, and attentive service.

Our Mission ——

Create value for customers, create opportunities for employees, and create benefits for society.

Corporate vision ——

Become a fluid intelligent control leader!

Corporate values ——

Sincere and trustworthy, customer first; professional persistence, excellence; Be brave in innovation and embrace change; develop steadily and give back to society.



www.raygas.cn

企业资质 | Enterprise qualification



部分回转系列

Partial rotation series

普通型

Ordinary type



VGDB05型



VGDB10型



VGDB20型

智能型

Intelligent



VGDB05型



VGDB10型



VGDB20型

防爆型

Explosion-proof



VGDB05型



VGDB10型



VGDB20型

产品概述

VGDB系列执行器，是阀门实现开启、关闭、调节控制的驱动设备。本系列执行器具有功能全、性能可靠、控制系统先进、体积小、重量轻、使用维护方便等特点。

VGDB系列执行器适用于蝶阀、球阀、旋塞阀、风门等做90°回转的阀门。可对阀门进行遥控、集控和自动控制，广泛应用于电力、冶金、石油、化工、制药、污水处理、农业灌溉等行业。

本系列普通型产品性能符合GB/T24923-2010《普通型阀门电动装置技术条件》的规定；

本系列隔爆型产品性能符合GB3836.1-2010《爆炸性环境第1部分：通用要求》、GB3836.2-2010《爆炸性环境第2部分：由隔爆外壳“d”保护的电气设备》及GB/T24922-2010《隔爆型阀门电动装置技术条件》的规定。

产品分类

按控制方式分：普通型、智能开关型、智能调节型（Profibus现场总线、Modbus现场总线、Hart现场总线、FF现场总线、Device Net现场总线）；

按防护类型分：户外型和防爆型；

Product description

VGDB series actuators, are driving equipment for valves to open, close and adjust and control. This series of actuators have the characteristics of full-featured, reliable performance, advanced control system, small size, light weight, convenient use and maintenance.

VGDB series actuators are suitable for butterfly valve, ball valve, plug valve, damper and other valves that make 90° rotation. The valve can be controlled remotely, collectively and automatically. It is widely used in electric power, metallurgy, petroleum, chemical, pharmaceutical, sewage treatment, agricultural irrigation and other industries.

The performance of this series of ordinary products meets the requirements of GB / T24923-2010 "Technical Conditions for Ordinary Valve Electric Devices";

The performance of this series of flameproof products conforms to GB3836.1-2010 "Explosive Environment Part 1: General Requirements", GB3836.2-2010 "Explosive Environment Part 2: Equipment protected by flameproof enclosure" d ", and T24922-2010 "Technical Conditions of Flame-proof Valve Electric Device".

Product Categories

Divided by control method: Ordinary type, intelligent switch type, intelligent adjustment type (Profibus fieldbus, Modbus Fieldbus, Hart fieldbus, FF fieldbus, Device Net fieldbus);

Divided by protection type: Outdoor and explosion-proof;

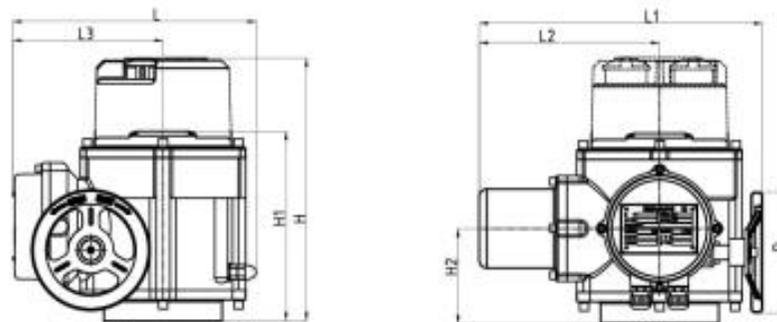
主要技术指标

Main technical indicators

输入信号 Input signal	4mA~20mA ; 无源触点 / Passive contact	
供电电源 Power supply	常规 Conventional	三相 / Three phase AC380V (50Hz)
	特殊 Special	三相 / Three phase AC660V, AC440V, AC415V (50Hz, 60Hz)
		单相 / Simplex : AC220V, AC110V (50Hz, 60Hz)
		直流 / Direct DC12V, DC24V, DC48V
基本误差限 Basic error limit	≤1%	
防护等级 Protection class	IP65、IP68.....	
防爆型等级 Explosion-proof grade	ExdII BT4、ExdII CT4 ;	
环境温度 Ambient temperature	-30℃~+70℃ (可选 / Optional : -40℃~+100℃)	
环境湿度 Environment humidity	≤95% (25℃)	
电机工作制: 标配长时电机, F级绝缘 Motor working system: Standard long-term motor, F-class insulation		

外形及外形尺寸

Outline and dimensions

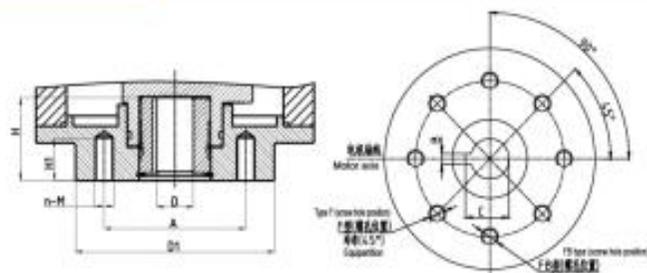


型号 Model	尺寸 Size	H	H1	H2	D	L	L1	L2	L3
VGDB05/10/15		281	170	77	φ100	215	270	170	121
VGDB20/30/40		276	197	99	φ140	260	300	191	160
VGDB60/90/120/200		300	240	112	φ180	311	410	252	186
VGDB300		340	280	150	φ180	311	410	252	186



法兰结构与连接尺寸

Flange structure and connection dimensions



型号/规格 Model / Specification	法兰型式 Flange type	D1	H	H1	A	n-M	螺孔方向 Screw hole direction	D		B	C
								间距 Pitch	螺孔 Screw hole		
VGDB05	FB1	φ92	34	>15	φ57	4-M6	90°	φ12.7/φ19	3/5	14.1/21.3	
VGDB10	FB2		34	>18	φ70	4-M8	90°	φ19	5	21.3	
VGDB15	F05		34	>15	φ50	4-M6	45°	φ8 φ19			
	F07	34	>18	φ70	4-M8	45°	φ8 φ19				
VGDB20	FB3	φ125	47	>24	φ89	4-M12	90°	φ22.2	5	24.5	
VGDB30	F07		47	>20	φ70	4-M8	45°	φ12 φ28			
VGDB40	F10		47	>22	φ102	4-M10	45°	φ12 φ28			
VGDB60	FB3	φ150	57	>30	φ89	4-M12	90°	φ22.2/φ28	5/8	24.5/31.3	
VGDB90	FB4		57	>30	φ108	4-M12	90°	φ31.7			
VGDB120	F10		57	>30	φ102	4-M10	45°	φ15 φ38			
	F12	57	>30	φ125	4-M12	45°	φ15 φ38				
VGDB200	FB5	φ200 (定制) Customized	60	>25	φ159	4-M16	90°	φ33.1/φ38	10	36.4/41.3	
	F14		60	>25	φ140	4-M16	45°	φ20 φ38			
VGDB300	F16	φ200	80	>30	φ165	4-M20	45°	φ20 φ65	18	70	

型号及主要技术参数

Model and main technical parameters

型号/规格 Model / Specification	输出转矩 Output torque (N.m)	输出转速 Output speed (r/min)	最大阀杆直径 Maximum stem diameter (φ mm)	手动速比 Manual speed ratio (手转/输出) (Handset / Output)	电机功率 (W) Motor power		额定电流 (A) Rated current		参考重量 Reference weight (kg)
					(380V)	(220V)	(380V)	(220V)	
VGDB05	50	0.5/1	φ19	70:1	25	25	0.08	0.12	7.32
VGDB10	100	0.5/1	φ19	70:1	30	30	0.1	0.14	7.65
VGDB15	150	0.5/1	φ19	70:1	35	35	0.12	0.17	7.85
VGDB20	200	0.5/1	φ28	95:1	40	40	0.15	0.17	11.2
VGDB30	300	0.5/1	φ28	95:1	50	50	0.2	0.2	11.35
VGDB40	400	0.5/1	φ28	95:1	60	60	0.22	0.28	11.6
VGDB60	600	0.5/1	φ38	89:1	90	90	0.26	0.5	19.6
VGDB90	900	0.5/1	φ38	89:1	120	120	0.4	0.6	20.2
VGDB120	1200	0.5/1	φ38	89:1	150	150	0.5	0.8	21.2
VGDB200	2000	0.5/1	φ38	89:1	180	180	0.8	0.95	22.5
VGDB300	3000	0.36/1	φ65	89:1	250	250	0.95		30.5

VGDB系列产品配套应用

Supporting applications for VGDB series products


 VGDB系列配套
电动不锈钢蝶阀

 VGDB series supporting
Electric stainless steel butterfly valve

 VGDB系列配套
电动偏心半球阀

 VGDB series supporting
Electric eccentric hemisphere valve

 VGDB系列配套
电动伸缩蝶阀

 VGDB series supporting
Electric telescopic butterfly valve

 VGDB系列配套
电动V型球阀

 VGDB series supporting
Electric V-type ball valve

 VGDB系列配套-电动对夹蝶阀
VGDB series supporting-Electric butterfly valve

 VGDB系列配套-电动球阀
VGDB series supporting-Electric ball valve

普通型

Ordinary type



VGDM05型

VGDM30型

VGDM60型

VGDM120型

智能型

Intelligent



VGDM05型

VGDM30型

VGDM60型

VGDM120型

防爆型

Explosion-proof



VGDM05型

VGDM30型

VGDM60型

VGDM120型

产品概述

VGDM系列执行器，是阀门实现开启、关闭、调节控制的驱动设备。本系列执行器具有功能全、性能可靠、控制系统先进、体积小、重量轻、使用维护方便等特点。

VGDM系列执行器适用于启闭件做直线运动的阀门，如闸阀、截止阀、隔膜阀、柱塞阀、截流阀、水闸门等，可用于明杆阀，也可用于暗杆阀。可对阀门进行遥控、集控和自动控制，广泛应用于电力、冶金、石油、化工、制药、污水处理、农业灌溉等行业。

本系列普通型产品性能符合GB/T24923-2010《普通型阀门电动装置技术条件》的规定；

本系列隔爆型产品性能符合GB3836.1-2010《爆炸性环境第1部分：通用要求》、GB3836.2-2010《爆炸性环境第2部分：由隔爆外壳“d”保护的设 备》及GB/T24922-2010《隔爆型阀门电动装置技术条件》的规定。

产品分类

按控制方式分：普通型、智能开关型、智能调节型（Profibus现场总线、Modbus现场总线、Hart现场总线、FF现场总线、Device Net现场总线）；

按防护类型分：户外型和防爆型；

按连接方式分：转矩型和推力型；

Product description

VGDM series actuators, are driving equipment for valves to achieve opening, closing, adjustment and control. This series of actuators have the characteristics of full-featured, reliable performance, advanced control system, small size, light weight, convenient use and maintenance.

VGDM series actuators are suitable for valves with linear movements, such as gate valves, globe valves, diaphragm valves, plunger valves, shut-off valves, water gates, etc., which can be used for bright stem valves and dark stem valves. The valve can be controlled remotely, collectively and automatically. It is widely used in electric power, metallurgy, petroleum, chemical, pharmaceutical, sewage treatment, agricultural irrigation and other industries.

The performance of this series of ordinary products meets the requirements of GB / T24923-2010 "Technical Conditions for Ordinary Valve Electric Devices";

The performance of this series of flameproof products conforms to GB3836.1-2010 "Explosive Environment Part 1: General Requirements", GB3836.2-2010 "Explosive Environment Part 2: Equipment Protected by Flameproof Enclosure" d "" and GB / T24922-2010 "Technical Conditions of Flameproof Valve Electric Device".

Product Categories

Divided by control method: ordinary type, intelligent switch type, intelligent adjustment type (Profibus fieldbus, Modbus Fieldbus, Hart fieldbus, FF fieldbus, Device Net fieldbus);

Divided by protection type: outdoor and explosion-proof;

Divided by connection method: torque type and thrust type;

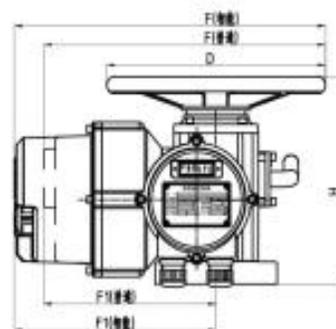
主要技术指标

Main technical indicators

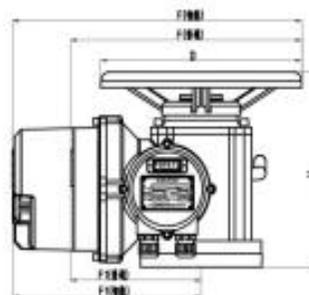
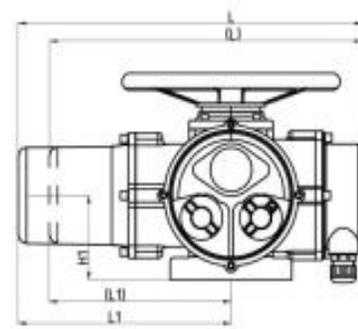
输入信号 Input signal	4mA~20mA ; 无源触点 / Passive contact	
供电电源 Power supply	常规 Conventional	三相 / Three phase AC380V (50Hz)
	特殊 Special	三相 / Three phase AC660V、AC440V、AC415V (50Hz、60Hz)
		单相 / Simplex : AC220V、AC110V (50Hz、60Hz)
		直流 / Direct DC12V、DC24V、DC48V
基本误差限 Basic error limit	≤1%	
防护等级 Protection class	IP65、IP68.....	
防爆型等级 Explosion-proof grade	ExdII BT4、ExdII CT4 ;	
环境温度 Ambient temperature	-30℃~+70℃ (可选 / Optional : -40℃~+100℃)	
环境湿度 Environment humidity	≤95% (25℃时)	
电机工作制: 标配长时电机, F级绝缘 Motor working system: Standard long-term motor, F-class insulation		

外形及外形尺寸

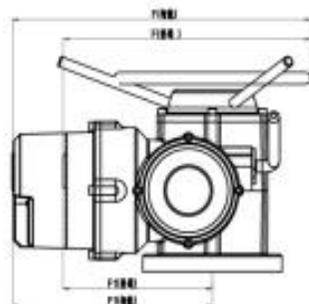
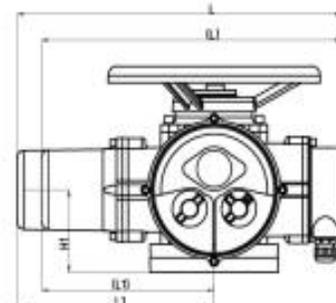
Outline and dimensions



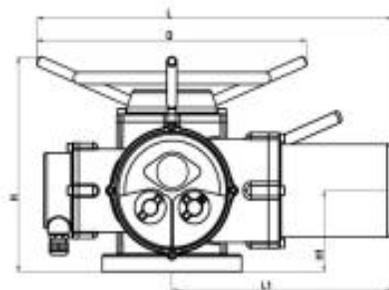
VGDM05/10/15

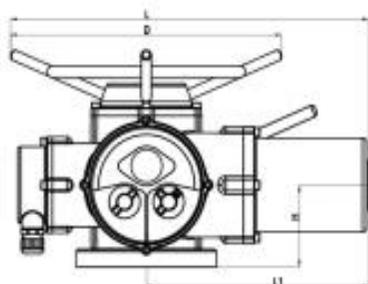
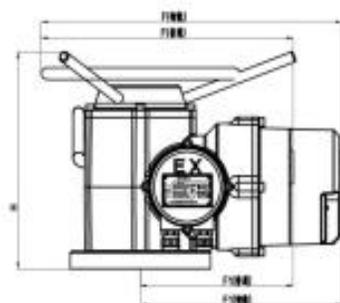


VGDM20/30

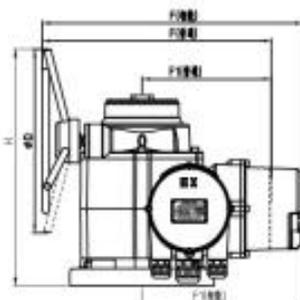
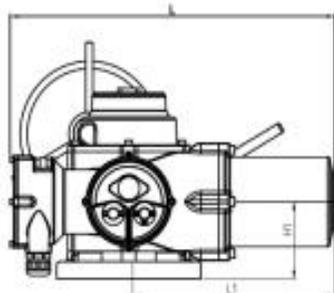


VGDM45/60

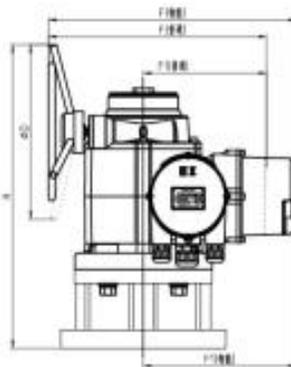
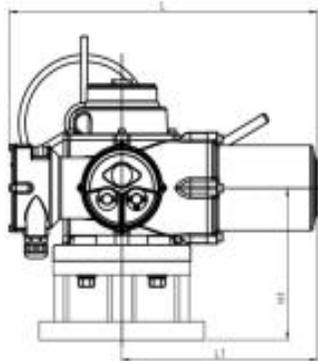




VGDM90/120



VGDM180/250

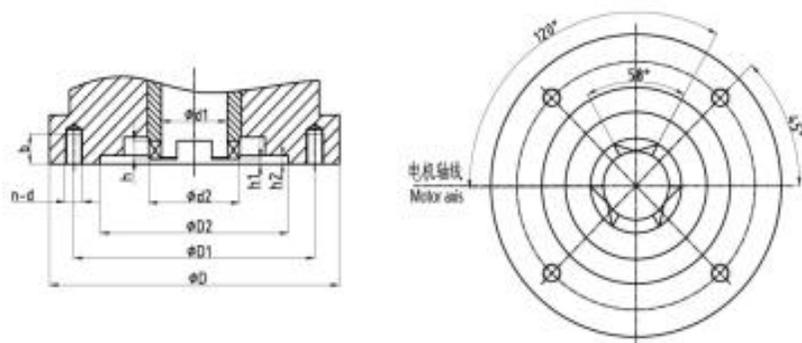


VGDM350/500/700/1000

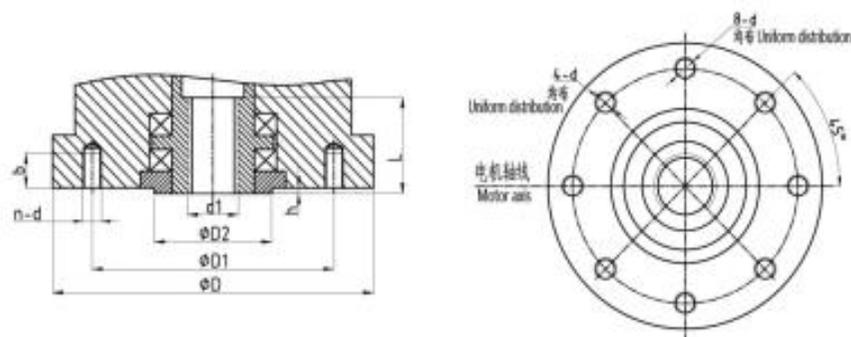
型号 Model	尺寸 Size	H	H1	F		F1		D	(L)	L	(L1)	L1
				普通 Ordinary	智能 Intelligens	普通 Ordinary	智能 Intelligens					
				VGDM05/10/15	236	96	334					
VGDM20/30	285	115	372	442	218	288	φ300	449	499	265	315	
VGDM45/60	335	125	510	570	252	322	φ495	/	563	/	357	
VGDM90/120	352	141	517	587	252	322	φ508	577	637	360	420	
VGDM180/250	515	167	524	596	296	368	φ400	/	748	/	470	
VGDM350/500	684	348	524	596	296	368	φ400	/	748	/	470	
VGDM700/1000	747	411	524	596	296	368	φ400	/	748	/	470	

法兰结构与连接尺寸

Flange structure and connection dimensions


 VGDM系列执行器接口尺寸 (转矩型)
 VGDM series actuator interface size (Torque type)

执行器型号 Actuator model	法兰型号 Flange model	执行器输出接口尺寸明细(转矩型JB2920) Size details of actuator output interface (Torque type JB2920)										
		D	D1	D2	d1	d2	n-d	b	螺孔方向 Screw hole direction	h	h1	h2
VGDM05	2#	145	120	90	33	45	4-M10	20	45°	8	2	5
VGDM10	2#(I)	115	95	75	26	39	4-M8	20	45°	6	2	5
VGDM15												
VGDM20	3#	185	160	125	42	58	4-M12	20	45°	10	2	5
VGDM30	3#(I)	145	120	90	30	45	4-M10	20	45°	8	2	5
VGDM45	4#	225	195	150	52	68	4-M16	27	45°	12	2	5
VGDM60												
VGDM90	5#	275	235	180	62	78	4-M20	30	45°	14	2	5
VGDM120	5#(I)	230	195	150	50	72	4-M16	27	45°	12	2	5
VGDM180	7#	330	285	220	72	98	4-M24	35	45°	16	3	6
VGDM250												
VGDM350	8#	380	340	280	83	118	8-Ø22	40	22.5°	20	3	7
VGDM500												
VGDM700	9#	430	380	300	93	128	8-Ø26	42	22.5°	22	3.5	7
VGDM1000												


 VGDM系列执行器接口尺寸 (推力型)
 VGDM series actuator interface size (Thrust type)

执行器型号 Actuator model	法兰型号 Flange model	执行器输出接口尺寸明细(推力型GB12222) Size details of actuator output interface (Thrust type GB12222)									
		D	D1	D2	d1 梯形螺纹 (max) Trapezoidal thread (max)	n-d	b	螺孔方向 Screw hole direction	h	L	
VGDM05	F10	125	102	70	Tr28	4-M10	16	45°	3	40	
VGDM10											
VGDM15											
VGDM20	F14	175	140	100	Tr36	4-M16	25	45°	4	55	
VGDM30											
VGDM45	F16	210	165	130	Tr44	4-M20	35	45°	5	70	
VGDM60											
VGDM90	F25	300	254	200	Tr60	8-M16	30	45°	5	90	
VGDM120											
VGDM180	F30	350	298	230	Tr70	8-M20	35	22.5°	5	110	
VGDM250											
VGDM350	F35	415	356	260	Tr80	8-M30	45	22.5°	6	150	
VGDM500											

型号及主要技术参数

Model and main technical parameters

型号/规格 Model / Specification	输出转矩 Output torque (N.m)	输出转速 Output speed (r/min)	手动速比 Manual speed ratio {手轮/输出 (Handwheel / Output)}	电机功率(kw) Motor power (380V)	额定电流(A) Rated current (380V)	参考重量 Reference weight (kg)
VGDM05	50	18/24	1:1	0.12/0.18	0.45/0.6	15.2
VGDM10	100	18/24	1:1	0.18/0.25	0.6/0.85	15.8
VGDM15	150	18/24	1:1	0.25/0.37	0.85/1.05	16.2
VGDM20	200	18/24	1:1	0.37/0.55	1.05/1.3	24.2
	200	36/48	1:1	0.55/0.75	1.3/1.7	24.2
VGDM30	300	18/24	1:1	0.55/0.75	1.3/1.7	25.8
	300	36/48	1:1	0.75/0.85	1.7/1.85	25.8
VGDM45	450	18/24	1:1	0.75/0.85	1.7/1.85	63
	450	36/48	1:1	1.1/1.5	2.5/3.2	63.2
VGDM60	600	18/24	1:1	1.1/1.5	2.5/3.2	65.2
	600	36/48	1:1	1.5/2.2	3.2/4.5	65.2
VGDM90	900	18/24	1:1	1.5/2.2	3.2/4.5	67.5
	900	36/48	1:1	2.2/3.0	4.5/6.3	68.5
VGDM120	1200	18/24	1:1	2.2/3.0	4.5/6.3	69.8
	1200	36/48	1:1	3.0/4.0	6.3/8.5	69.8
VGDM180	1800	18/24	1:21	4	8.5	120
VGDM250	2500	18/24	1:21	5	10.5	125
VGDM350/500	3500/5000	8	1:60	5	10.5	200
VGDM700/1000	7000/10000	4.5	1:107	5.5	11.2	260

VGDM系列产品配套应用

Supporting applications for VGDM series products


 VGDM系列配套-截止阀-2
 VGDM series supporting-Stop valve-2

 VGDM系列配套-弹性座封闸阀
 VGDM series supporting-elastic seat sealing gate valve

 VGDM系列配套-锻钢电动截止阀
 VGDM series supporting - forged steel electric stop valve

 VGDM系列配套
 电动截止阀
 VGDM series supporting
 Electric stop valve

 VGDM系列配套
 电动闸阀
 VGDM series supporting-
 Electric gate valve

 VGDM系列配套
 硬密封电动蝶阀
 VGDM series supporting
 Hard seal electric butterfly valve

 VGDM系列配套
 电动偏心半球阀
 VGDM series supporting
 Electric eccentric hemisphere valve

 VGDM系列配套
 双偏心电动蝶阀
 VGDM series supporting
 Double eccentric electric butterfly valve

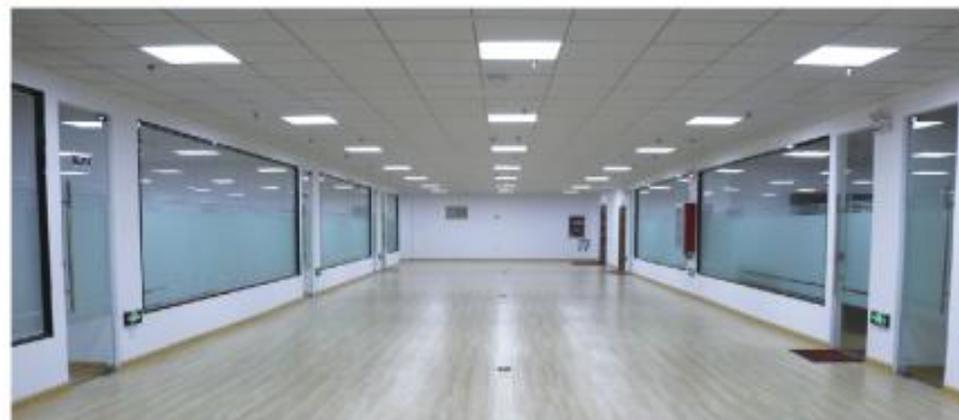
仓库

Warehouse



行政区

Administrative area



研发中心

R & D Center



机加工车间

Machine shop



www.raygas.cn

装配车间

Assembly workshop

