

BULK SOLIDS HANDLING EQUIPMENT
固体散料装卸设备

Bulk Solids Handling Equipment

ATC GROUPS
THE BEST INDUSTRIAL EQUIPMENT

**GEAR REDUCER
BUTTERFLY VALVES
SILO VENTING FILTERS**

Bulk Solids Handling Equipment

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Products Handbook

CATALOGUE

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BULK SOLIDS HANDLING EQUIPMENT

SILO DISCHARGE BUTTERFLY VALVES

筒仓放料气动蝶阀

VFS气动粉体蝶阀 VFS Powder pneumatic valve

HOW TO ORDER

型号说明: VFS

Connection 连接方式	Size 尺寸	Drive 传动	Sealing ring 密封件	Control 控制形式	Driver 驱动装置	Control valve 控制阀	Control voltage 控制电压
VFS SINGLE FLANGE 单法兰	100	气动执行器	丁腈胶	气动控制	信号开关	电磁阀	220V
VFS SINGLE FLANGE 单法兰	150	气动执行器	丁腈胶	气动控制	光电眼/无源信号	电磁阀	220V
VFS DOUBLE FLANGE 双法兰	200	气动执行器	丁腈胶	气动控制	光电眼/无源信号	电磁阀	220V
	250	气动执行器	丁腈胶	气动控制	光电眼/无源信号	电磁阀	220V
	300	气动执行器	丁腈胶	气动控制	光电眼/无源信号	电磁阀	220V
	350	气动执行器	丁腈胶	气动控制	光电眼/无源信号	电磁阀	220V
	400	气动执行器	丁腈胶	气动控制	光电眼/无源信号	电磁阀	220V
	450	气动执行器	丁腈胶	气动控制	光电眼/无源信号	电磁阀	220V
	500	气动执行器	丁腈胶	气动控制	光电眼/无源信号	电磁阀	220V
	550	气动执行器	丁腈胶	气动控制	光电眼/无源信号	电磁阀	220V
	600	气动执行器	丁腈胶	气动控制	光电眼/无源信号	电磁阀	220V
	650	气动执行器	丁腈胶	气动控制	光电眼/无源信号	电磁阀	220V
	700	气动执行器	丁腈胶	气动控制	光电眼/无源信号	电磁阀	220V
	750	气动执行器	丁腈胶	气动控制	光电眼/无源信号	电磁阀	220V
	800	气动执行器	丁腈胶	气动控制	光电眼/无源信号	电磁阀	220V
	850	气动执行器	丁腈胶	气动控制	光电眼/无源信号	电磁阀	220V
	900	气动执行器	丁腈胶	气动控制	光电眼/无源信号	电磁阀	220V
	950	气动执行器	丁腈胶	气动控制	光电眼/无源信号	电磁阀	220V
	1000	气动执行器	丁腈胶	气动控制	光电眼/无源信号	电磁阀	220V

VFS气动蝶阀主要用于开关料箱，料斗以及装有粉状或是颗粒状物料的筒仓。可应用于所有粉状及颗粒物料的处理，阀门利用物料自身重力进行截流以及气动传输干性物料。

VFS Butterfly Valves are mainly used silo switch hms, hoppers and equipped with powdered or granular materials. Can be applied to deal with all powdery and granular materials, the use of the material itself gravity valve closure and pneumatic conveying of dry materials.



例: VZFS300MM-WF/24VDC

即双法兰连接蝶阀, 直径300mm, 带防尘密封板, 带密封, 带信号反馈, 电磁阀, 电磁阀电压24VDC

即 Double flange connection butterfly valve, diameter 300mm, with dust-proof valve plate, NBR seal, with solenoid valve and voltage of 24 VDC, with MIC23 signal feedback



PNEUMATIC ACTUATOR COUPLING 气动快速接头执行机构

蝶阀口径	VFS100	VFS150	VFS200	VFS250	VFS300	VFS350	VFS400
快速接头 (quick coupling)	CP101	CP101	CP101	CP101	CP101	CP126	CP126
快速接头 (quick coupling)	CP101	CP101	CP101	CP126	CP126	CP126	CP126

* 代表安装方式: 1 - Single flange butterfly valve for clamp connection 单法兰带筒连接蝶阀
2 - Double flange butterfly valve 双法兰连接蝶阀
NQ - Detachable open type single flange (double flange with single flange)
可拆卸的分开式单法兰 (双法兰加单法兰)

COUPLING OF MANUAL STEER 手柄快速接头执行机构

蝶阀口径	VFS100	VFS150	VFS200	VFS250	VFS300	VFS350	VFS400
适配机构	CM4	CM4	CM4	CM4	CM4	CM2B	CM2B

* 代表安装方式: 1 - Single flange butterfly valve for clamp connection 单法兰带筒连接蝶阀
2 - Double flange butterfly valve 双法兰连接蝶阀
NQ - Detachable open type single flange (double flange with single flange)
可拆卸的分开式单法兰 (双法兰加单法兰)

N.B. ACTUATOR CHOICE DEPENDS APPLICATION AND TYPE OF MATERIAL WITH LUMPY, GRANULAR AND FIBROUS PRODUCTS. IT IS ADVISABLE TO USE A EASTRON DEXTR 304 DISC.

注: 执行器的选择取决于材料的类型及应用。如果要处理块状物, 颗粒物或纤维的物料建议选用东元牌304碟片。

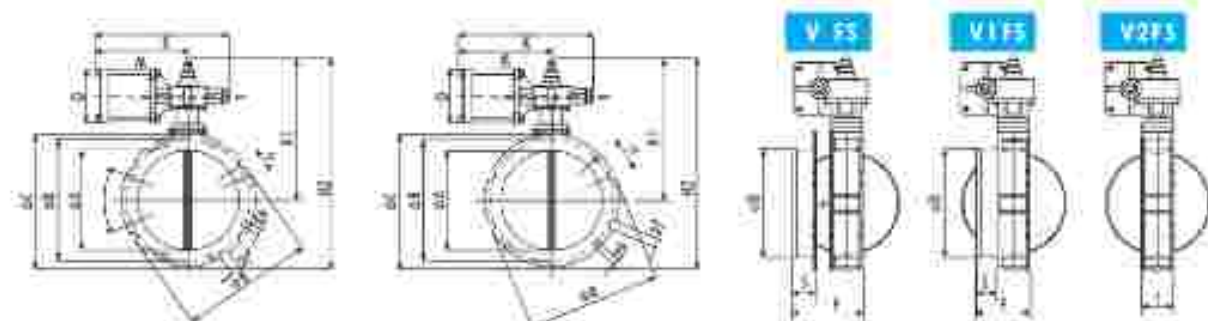
Specifications in mm

Unit: mm unless otherwise specified

BULK SOLIDS HANDLING EQUIPMENT

TECHNOLOGY ABSTRACT

VFS - 蝶阀技术参数



Detachable split type single flange (double flange with single flange) 可拆卸的分开式单法兰（双法兰加下料口）

TYPE	HA	HB	HC	HD	E	F	G1	G2	L	M	Drilling Holes (mm)	Drilling Holes (mm)	A	B	C	D	E
VFS100-WF	95	140	220	105	117	35	250	300	260	175	M4xφ14	M4xφ20	220	2230	40	110	10
VFS150-WF	150	230	320	163	117	35	255	300	260	175	M4xφ14	M4xφ20	220	2230	40	110	11
VFS200-WF	200	330	470	213	117	35	280	440	260	175	M4xφ14	M4xφ20	270	2230	40	110	13
VFS250-WF	250	380	520	263	117	35	305	490	260	175	M4xφ14	M4xφ20	325	1115	40	110	15
VFS300-WF	300	430	570	313	117	35	340	540	260	175	M4xφ14	M4xφ20	375	541	40	110	18.5
VFS350-WF	350	480	620	363	125	50	400	600	450	200	M4xφ14	M4xφ20	440	10	40	130	21
VFS400-WF	400	530	670	413	125	50	445	740	450	200	M4xφ14	M4xφ20	530	430	40	130	45

SINGLE FLANGE BUTTERFLY VALVE FOR SLEEVE CONNECTION 单法兰套筒连接蝶阀

TYPE	HA	HB	HC	HD	E	F	G1	G2	L	M	Drilling Holes (mm)	Drilling Holes (mm)	A	B	C	D	E
V1FS100-WF	95	140	220	105	117	35	250	300	260	175	M4xφ14	M4xφ20	220	2230	40	110	10
V1FS150-WF	150	230	320	163	117	35	255	300	260	175	M4xφ14	M4xφ20	220	2230	40	110	11
V1FS200-WF	200	330	470	213	117	35	280	440	260	175	M4xφ14	M4xφ20	270	2230	40	110	13
V1FS250-WF	250	380	520	263	117	35	305	490	260	175	M4xφ14	M4xφ20	325	1115	40	110	15
V1FS300-WF	300	430	570	313	117	35	340	540	260	175	M4xφ14	M4xφ20	375	541	40	110	18.5
V1FS350-WF	350	480	620	363	125	50	400	600	450	200	M4xφ14	M4xφ20	440	10	40	130	21
V1FS400-WF	400	530	670	413	125	50	445	740	450	200	M4xφ14	M4xφ20	530	430	40	130	45

DOUBLE FLANGE BUTTERFLY VALVE 双法兰连接蝶阀

TYPE	HA	HB	HC	E	F	G1	G2	L	M	Drilling Holes (mm)	Drilling Holes (mm)	A	B	C	D	E
V2FS100-WF	95	140	220	77	35	250	300	260	175	M4xφ14	M4xφ20	220	2230	110	10	10
V2FS150-WF	150	230	320	77	35	255	300	260	175	M4xφ14	M4xφ20	220	2230	110	10	10
V2FS200-WF	200	330	470	77	35	280	440	260	175	M4xφ14	M4xφ20	270	2230	110	11.5	11.5
V2FS250-WF	250	380	520	77	35	305	490	260	175	M4xφ14	M4xφ20	325	1115	110	13.5	13.5
V2FS300-WF	300	430	570	77	35	340	540	260	175	M4xφ14	M4xφ20	375	541	110	17	17
V2FS350-WF	350	480	620	85	50	400	600	450	200	M4xφ14	M4xφ20	440	10	130	23	23
V2FS400-WF	400	530	670	85	50	445	740	450	200	M4xφ14	M4xφ20	530	430	130	47	47

Dimensions in mm

BULK SOLIDS HANDLING EQUIPMENT

SILO DISCHARGE BUTTERFLY VALVES

筒仓放料蝶阀

V.FS粉体蝶阀 V.FS Butterfly valve

阀体采用轻巧的高压铸造铝合金制成, 耐磨碟板与耐磨橡胶密封形成密封结构非常适合各种粉体及颗粒物料的应用场合, 特别对于磨损性强的物料。

Body uses lightweight high pressure die casting aluminum alloy the disc plate material for milling of cast iron, with wear-resistant rubber ring seal structure is very suitable for all kinds of powder and granular materials Applications, and especially for the strong wear of the material.



型号含义 How To Order

V2FS	300	S	N
Model 连接方式	口径 mm	Disc 碟板形式	Sealing Ring 密封材料
V FS= DOUBLE FLANGE WITH SINGLE FLANGE 双法兰+单法兰 VF FS= SINGLE FLANGE 单法兰 V2 FS= DOUBLE FLANGE 双法兰	DN100-400	S: Molecular Material 防全金属 SN: Modular cast iron 铸钢碟板 A: Stainless Steel 不锈钢碟板 C: Aluminum alloy 铝合金碟板	N: NBR 黑色丁腈胶 E: EPDM 黑色乙丙胶 S: SI 白色硅胶 F: FKM 白色橡胶

V1FS-GBN系列

- 文架-铸铝合金 Body Casting Aluminum Alloy
- 特盘-尼龙盘 Disc Nylon
- 阀体-铸铝合金 Body Casting Aluminum Alloy
- 碟板-铸钢碟板 Disc Casting Steel Disc Casting High Resistant Material
- V系列密封-耐磨橡胶 Series Disc Casting High Resistant Material
- 特盘-尼龙盘 Disc Nylon
- 阀体-铸铝合金 Body Casting Aluminum Alloy



V.FS-SN系列

- 文架-铸铝合金 Body Casting Aluminum Alloy
- 特盘-尼龙盘 Disc Nylon
- 阀体-铸铝合金 Body Casting Aluminum Alloy
- V系列密封-耐磨橡胶 Series Disc Casting High Resistant Material
- N系列密封-耐磨橡胶 Series Casting High Resistant Material
- 特盘-尼龙盘 Disc Nylon
- 阀体-铸铝合金 Body Casting Aluminum Alloy
- V系列密封-耐磨橡胶 Series Casting High Resistant Material



V2FS-AS系列

- 文架-铸铝合金 Body Casting Aluminum Alloy
- 特盘-尼龙盘 Disc Nylon
- 阀体-铸铝合金 Body Casting Aluminum Alloy
- V系列密封-耐磨橡胶 Series Disc Casting High Resistant Material
- N系列密封-耐磨橡胶 Series Casting High Resistant Material
- 特盘-尼龙盘 Disc Nylon
- 阀体-铸铝合金 Body Casting Aluminum Alloy



V2FS-AI系列

- 文架-铸铝合金 Body Casting Aluminum Alloy
- 特盘-尼龙盘 Disc Nylon
- 阀体-铸铝合金 Body Casting Aluminum Alloy
- V系列密封-耐磨橡胶 Series Disc Casting High Resistant Material
- N系列密封-耐磨橡胶 Series Casting High Resistant Material
- 特盘-尼龙盘 Disc Nylon
- 阀体-铸铝合金 Body Casting Aluminum Alloy



Dimensions in mm

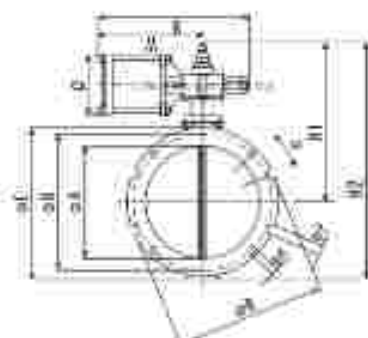
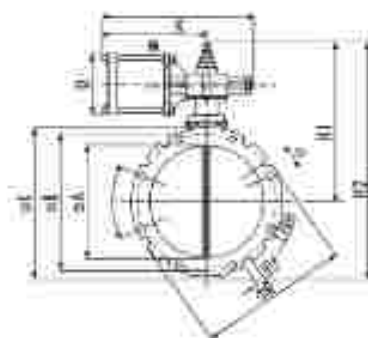
Dimensions in mm

BULK SOLIDS HANDLING EQUIPMENT

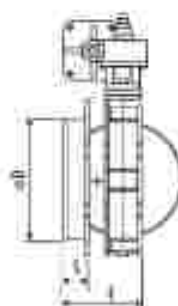
TECHNOLOGY ABSTRACT

VFS-AI - 食品级蝶阀技术参数

V2FS-AI-WF



V FS-WF



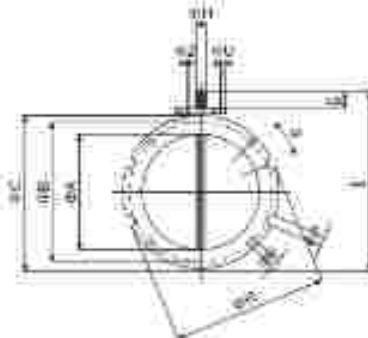
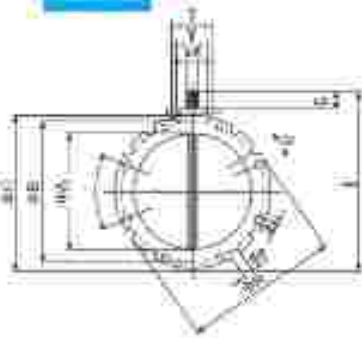
V2FS-WF



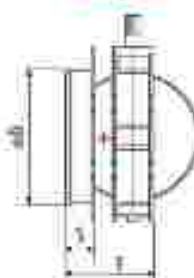
食品级蝶阀FOOD-GRADE BUTTERFLY VALVE

TYPE	PA	PB	PC	PD	PE	PF	PG	PH	PI	PM Mounting Hole Spacing (mm)	PN Mounting Hole Diameter (mm)	PS Hole Diameter (mm)	Q	R	S	T
V2FS100AI-WF	90	100	220	84	35	350	300	260	175	M 4xφ 14	M 4xφ 20	220	22.30	110	0	0
V2FS150AI-WF	145	200	228	84	35	353	300	260	175	M 4xφ 14	M 4xφ 20	228	22.30	110	0	0
V2FS200AI-WF	195	250	278	84	35	300	400	260	175	M 4xφ 14	M 4xφ 20	270	22.30	110	10	10
V2FS250AI-WF	245	300	378	84	35	305	400	260	175	M 4xφ 14	M 4xφ 20	325	11.15	110	12	12
V2FS300AI-WF	295	350	378	84	35	340	540	260	175	M 4xφ 14	M 16xφ 20	375	5.41	110	14	14

V2FS-AI



V FS



V2FS



食品级蝶阀FOOD-GRADE BUTTERFLY VALVE

TYPE	DN	PN	PG	Z	T	C	Ø H mm	Ø H max mm	Ø H min mm	Ø P mm	Ø P max mm	Ø P min mm	Ø B mm	Ø B max mm	Ø B min mm	Ø T mm	Ø T max mm	Ø T min mm
V2FS100AI	90	100	220	250	84	35	22x19	84xφ 14	84xφ 14	104xφ 20	220	22.30	80	M12	30	M10	4	
V2FS150AI	145	200	228	290	84	35	22x19	84xφ 14	84xφ 14	104xφ 20	228	22.30	80	M12	50	M10	5	
V2FS200AI	195	250	278	340	84	35	22x19	84xφ 14	84xφ 14	104xφ 20	278	22.30	80	M12	50	M10	6.5	
V2FS250AI	245	300	328	390	84	35	22x19	84xφ 14	84xφ 14	104xφ 20	328	11.15	80	M12	50	M10	8	
V2FS300AI	295	350	378	440	84	35	22x19	84xφ 14	84xφ 14	104xφ 20	378	5.41	80	M12	50	M10	10	

Dimensions in mm

Dimensions in mm

BULK SOLIDS HANDLING EQUIPMENT

SILO DISCHARGE BUTTERFLY VALVES

筒仓放料气动蝶阀

SD 气动粉体蝶阀 SD Powder pneumatic valve

HOW TO ORDER

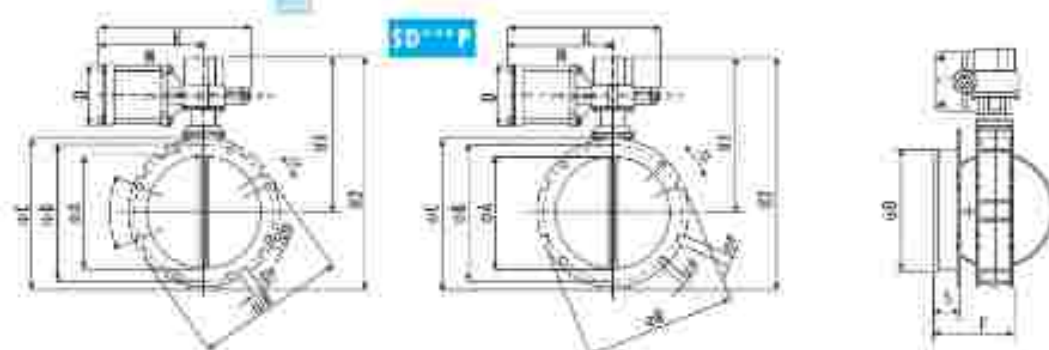
型号选购:

CONNECTION 连接方式	SD	CONTROL 控制形式	CONTROL VOLTAGE 控制电压
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粉体蝶阀
BUTTERFLY VALVES

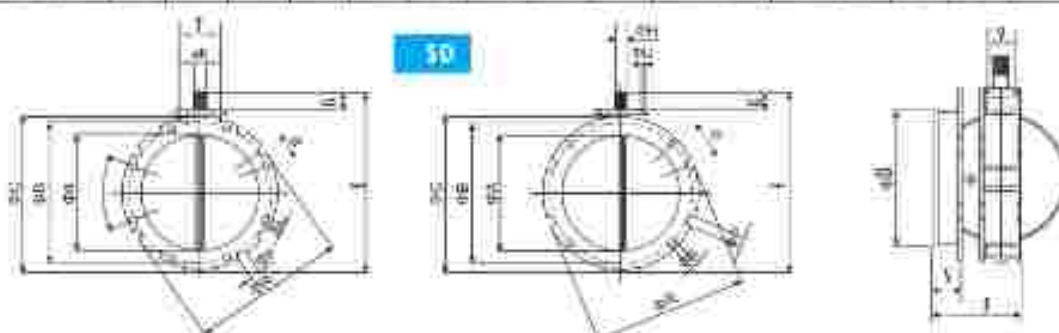
气动
手动

220V
110V
24VDC



气动粉体蝶阀 BUTTERFLY VALVE

TYPE	W	H	D	F	C	M	W2	L	M	Rolling element type	Rolling element material	W3	L2	D2	W4
SD100P	95	100	220	117	35	230	380	260	175	M4xφ14	M4xφ20	270	3230	110	8
SD150P	145	200	270	117	35	355	390	260	175	M4xφ14	M4xφ20	270	3230	110	9
SD200P	195	250	320	117	35	480	440	260	175	M4xφ14	M4xφ20	270	3230	110	10
SD250P	245	300	370	117	35	585	490	260	175	M4xφ14	M4xφ20	270	3230	110	12
SD300P	295	350	420	117	35	740	540	260	175	M4xφ14	M4xφ20	270	3230	110	14



粉体蝶阀 BUTTERFLY VALVE

TYPE	ΦA	ΦB	ΦC	Σ	F	Σ	ΔW mm/min	M 20mm Ø14x14 10mm	P 20mm Ø14x14 10mm	ΦE	ΦF	Σ	Σ	Σ	Σ
SD 100	90	100	220	250	117	35	22x18	M4xφ14	M4xφ20	270	2230	65	M8	54	4
SD 150	145	200	270	290	117	35	22x18	M4xφ14	M4xφ20	270	2230	65	M8	54	5
SD 200	195	250	320	340	117	35	22x18	M4xφ14	M4xφ20	270	2230	65	M8	54	6.5
SD 250	245	300	370	390	117	35	22x18	M4xφ14	M4xφ20	270	2230	65	M8	54	8
SD 300	295	350	420	440	117	35	22x18	M4xφ14	M4xφ20	270	2230	65	M8	54	10

Dimensions in mm

BULK SOLIDS HANDLING EQUIPMENT

BUTTERFLY VALVE FOR SILO

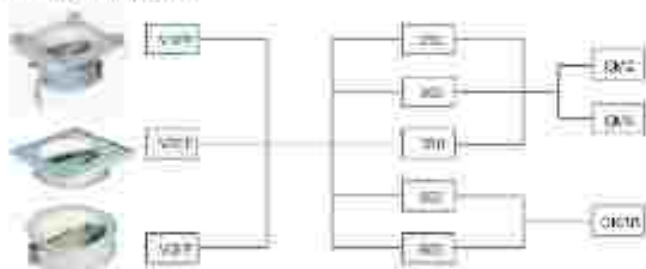
粉体蝶阀

Silo Discharge Butterfly Valve VFF-Series VFF系列粉体蝶阀

VFF料仓关闭蝶阀适用于各类建筑在需要拦截的重力喂料材料加工厂。适配下料斗，筒仓等。 VFF Silo Closure Butterfly Valves are used in all types of building material processing plants where interception of gravity-fed dry materials is required. They are fitted beneath hoppers, bins, or silos.



Compatibility of Mounted Layers



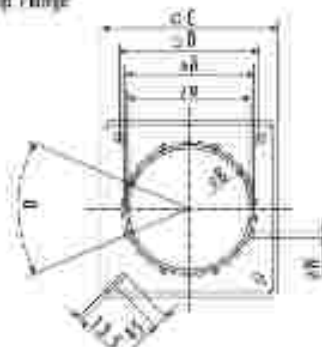
Butterfly Valves with Square Top Flange and Round Bottom Flange



Bottom Flange

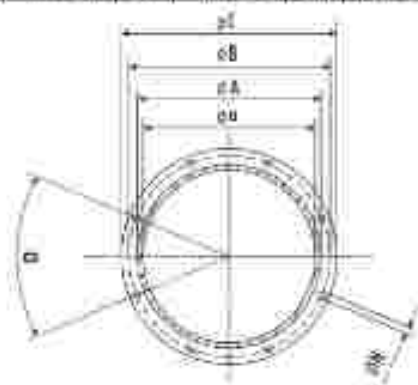
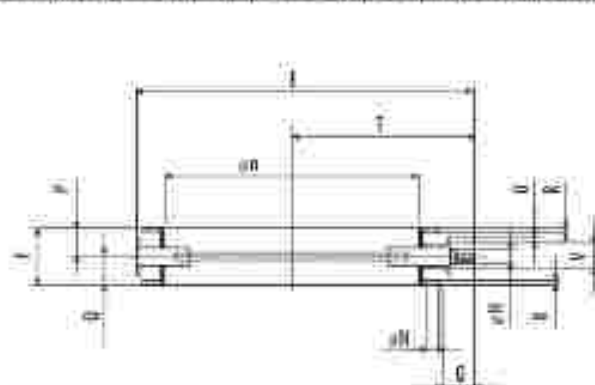


Top Flange



连接尺寸 CONNECTION SIZE

TYPE	DN	DN1	DN2	DN3	DN4	DN5	DN6	DN7	DN8	DN9	DN10	DN11	DN12	DN13	DN14	DN15	DN16	DN17	DN18	DN19	DN20
V2112SD114N	245	268	325	400	325	328	100	300	22 x 19	13.5	8	50	50	6	45°	302	M12	50	18		
V2112SD119N	295	318	400	450	370	378	100	350	22 x 19	13.5	8	50	50	6	45°	210	M12	50	19		



连接尺寸 CONNECTION SIZE

TYPE	DN	DN1	DN2	DN3	DN4	DN5	DN6	DN7	DN8	DN9	DN10	DN11	DN12	DN13	DN14	DN15	DN16	DN17	DN18	DN19	DN20
V2112SD114N	245	268	300	325	400	100	30	22 x 19	13.5	8	50	50	6	45°	214	M12	30	8.6			
V2112SD119N	295	318	350	378	450	100	30	22 x 19	13.5	8	50	50	6	45°	239	M12	30	30			
V2112SD124N	345	368	400	450	500	100	30	22 x 19	13.5	8	50	50	6	45°	264	M12	30	30			

Dimensions in mm

Dimensions in mm

BULK SOLIDS HANDLING EQUIPMENT

VALVE ACTUATORS

阀门驱动装置

Electropneumatic Actuator-CP-Series CP系列气动执行器

CP型活塞式电磁气动驱动器适合于控制VFS型蝶阀, VSS型球阀以及VSA型双向分流阀的开启和关闭。
CP piston type solenoid pneumatic actuator is suitable for control of VFS type butterfly valve opening and closing.

电磁气动执行器 Electropneumatic Actuator

性能特点 Features & Advantages

- 工作压力(working pressure) 2~8bar(2~118PSI)
- CP型驱动器上的电磁线圈和接头连接符合DIN 14825标准
- 可与GMP生产的其他类型驱动器互换

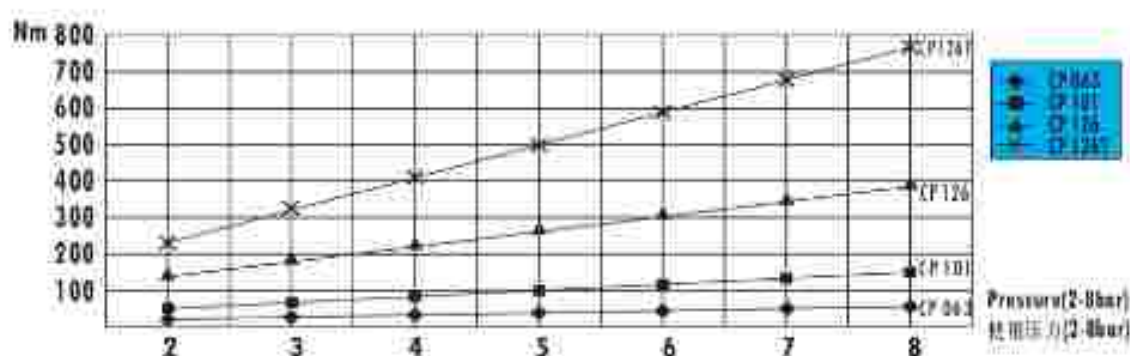
可选附件 Options & Accessories

- 位置信号显示装置(Feedback) MIC33
- 3/7电磁阀线圈电压: 24VDC/115VAC
- 电磁线圈(Internal Coil) 24-48VDC/220V AC/50/60 Hz



型号含义 How To Order

CP 型号	尺寸 Part No.	Connection Preference 连接形式	Switch Box 按钮盒	Solenoid Valve 电磁阀线圈	24VDC Voltage 电压
CP - Actuator CP - 驱动器	063 101 126	S=Standard 标准 T=Enhance 增强并带输出 TC=Three-position 三位驱动器	W=MIC23	F=Solenoid valve	24VDC 220VAC 115VAC



气动执行器配执行机构PNEUMATIC ACTUATOR COUPLING

蝶阀通径	VFS100	VFS150	VFS200	VFS250	VFS300	VFS350	VFS400
轻载适配机构(light load)	CP 063	CP 101	CP 101	CP 101	CP 101	CP 126	CP 126
重载适配机构(heavy load)	CP 101	CP 101	CP 101	CP 126	CP 126	CP 126T	CP 126T

Dimensions in mm

BULK SOLIDS HANDLING EQUIPMENT

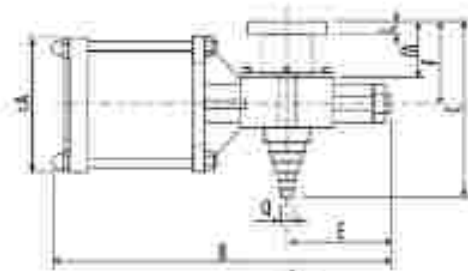
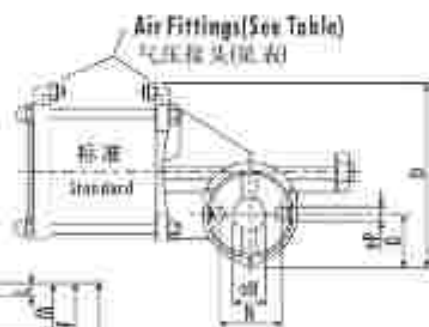
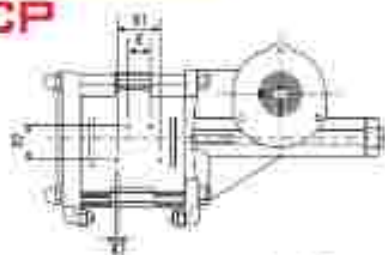
VALVE ACTUATORS

阀门驱动装置

Electropneumatic Actuator-CP-Series CP 系列气动执行器

电磁气动执行器 Electropneumatic Actuator

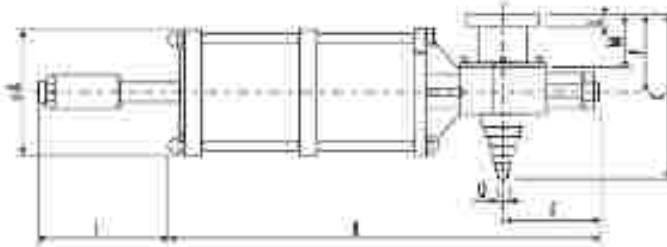
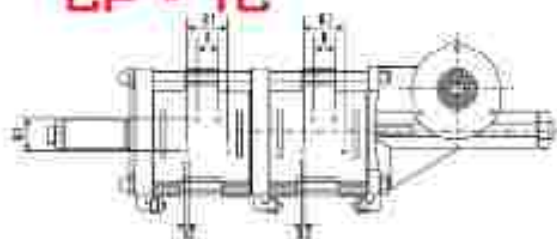
CP



TYPE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
							3/8 14337											1/2 10220	1/2 10220	1/2 10220	1/2 10220	1/2 10220	1/2 10220	1/2 10220	1/2 10220	1/2 10220
CP063	28	205	130	140	85	48	33	228/19	18	47	50	11	13	18	36	24	Ø4	1.0"	3/8"	3/8(x2)	3.0	1.3				
CP101	106	240	130	130	83	48	33	228/19	18	47	50	11	13	18	36	24	Ø4	1.0"	3/8"	4/4(x2)	3.0	1.3				
CP124	125	450	180	215	120	100	65	28x25	14	52	80	10	12	22	40	40	Ø4	1.0"	3/8"	4/3(x2)	3.0	1.5				

气动三位可调执行器 Electropneumatic Actuator

CP - TC



Air pressure: 2-8bar

连接尺寸 CONNECTION SIZE

TYPE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
CP063TC	70	303	133	140	83	48	33	228/19	18	47	50	11	13	18/10	36	26	Ø4	1.0"	3/8"	3/8(x2)	3.0	1.3				
CP101TC	106	303	133	130	83	48	33	228/19	18	47	50	11	13	18/20	36	26	Ø4	1.0"	3/8"	4/4(x2)	3.0	1.3				
CP124TC	125	408	169	215	120	100	65	28x25	14	52	80	10	12	22	40	40	Ø4	1.0"	3/8"	4/3(x2)	3.0	1.5				

Dimensions in mm

所有尺寸均以毫米为单位

BULK SOLIDS HANDLING EQUIPMENT

SIGNALLING SYSTEMS

位置信号显示装置

Switch Box-MIC-Series

MIC23 微型信号开关盒

MIC23微型信号开关盒适合于IP型执行机构开启和关闭输出信号的反馈

MIC23 micro signal switch box suitable actuator in type CP, opening and closing of the output signal of the feedback



MIC23

位置信号

- 高强度壳体，开关位置可由指示器清楚识别
- 防护等级：IP67/NEMA4X(标准) IP68(选项)
- 装置凸轮：可在凸轮节凸角位置定位发讯
- 机械开关：2SPDT开关
- 额定：250VAC/16A, 400VAC/10A
- 单线接口：标准1.909
- 接线端子：5点(6.35±1.0mm)

Performance & Technical Features - Features

- High strength of PC shell, switch position can be clearly identified indicator
- Protection grade: IP67/NEMA4X (standard) IP68 (option)
- Device: can adjust the positioning cam cam position signal
- Mechanical switch: 2SPDT
- Contact: 250VAC / 16A, 400VAC / 10A
- Single wire interface: PG9
- Terminal: 5points (6.35±1.0mm)

Micro-Switch Box
微型信号开关盒

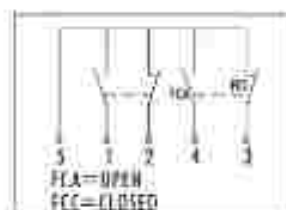
IP67

0-10A 400V

0-16A 250V

For CP/AE

MIC23



320g

手动操作机构MANUAL LEVER

Manual Lever CM Series

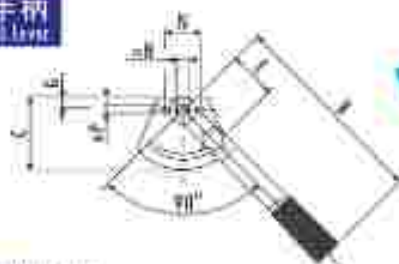
CM 驱动手柄

CM型手柄驱动器适合于控制VFS型蝶阀，VSS型球阀以及DVA型双向分流阀的开启和关闭

CM handle driver suitable for control of VFS type butterfly valve, ball valve of VSS type and DVA type bidirectional shunt valve opening and closing



CM



CM



规格尺寸 DIMENSION SIZE

TYPE	B	C	D	E	G	H DIM F&G	H	P	Q	W
CM4	300	104		72	14	22x19	50	10.5	115	1.3
CM2	300	104	60	72	14	22x19	50	10.5		1.3
CM3B	500	107	60	72	17	28x25	80	10.5		2.0

手柄传动适配执行机构 COUPLING BY MANUAL LEVER

蝶阀型号	V*FS100	V*FS150	V*FS200	V*FS250	V*FS300	V*FS350	V*FS400
适配机构	CM4	CM4	CM4	CM4	CM4	CM3B	CM3B

Shanghai Wuyi Valve Co., Ltd.

Shanghai Wuyi Valve Co., Ltd.

Shanghai Wuyi Valve Co., Ltd.

BULK SOLIDS HANDLING EQUIPMENT

PRESSURE RELIEF VALVE

压力安全阀

Pressure Relief Valve VCP-Series VCP273 系列安全阀

VCP系列压力安全阀用于料仓、料斗或集装箱顶部，避免其中压力过大或产生负压，从而造成料仓和收尘装置的严重损坏。

VCP Pressure Relief Valves are the last resort when abnormal pressure conditions endanger the silo structure. This is why sudden excess or suction pressure inside the silo must be dealt with instantaneously. Even though ideally a Pressure Relief Valve should never have to initiate action, it must be efficient and reliable if needed.



性能和技术特点

- 碳钢体 (VCP273C) / 不锈钢体 (VCP273S) 或 304 不锈钢体 (VCP273S / VCP273S2)
- 在不锈钢体中内置天气保护罩
- 所有版本
- 阀体直径= 273/356mm (10"/14")
- 流量达700m³/h (476立方英尺/时)
- 对于VCP273可达100mbar (0.950立方英尺/时)
- 配有信号传感器的设备
- 所有标准版本能抵抗顶压负压力400kPa (4.07kPa) 和+0.35kPa顶压负压力 (0.35kPa)
- 在特殊客户要求的情况下校准可以通过一个特殊装置实现

Performance & Technical Features

- Carbon steel body (VCP273C) / Stainless steel body (VCP273S) or 304 stainless steel body (VCP273S / VCP273S2)
- Weather protective cover in stainless steel for all versions
- Body diameter = 273/356mm (10"/14")
- Air volume up to 7,000m³/h (4,120 cfm) for VCP273 or 11,000m³/h (6,550 cfm) for VCP273S
- Equipment for resistance signalling sensors
- All standard versions proven for an activation negative pressure of: 0.400 bar (0.07 psi) and an activation pressure of: 0.35 bar (0.07 psi)
- In case of particular customer requirements calibration can be checked by means of a special spring kit



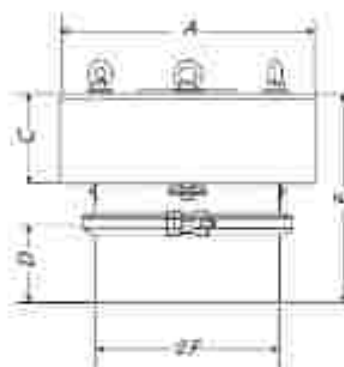
型号含义 How To Order

VCP	273	...	II
型号 Type	阀体直径 Body diameter	阀体材料 Body	附件 Accessories
压力安全阀 Pressure Relief Valves	273 mm	0 = 碳钢 Carbon steel body 1 = 400kPa 不锈钢 304 碳钢体 304 碳钢体 2 = 304 不锈钢 304 碳钢体 304 碳钢体 3 = 316 不锈钢 304 碳钢体 304 碳钢体	0 = 附件

Pressure Relief Valve 压力安全阀

出厂校准压力
Calibration by manufacturer

正压
Pressure
500mm H.O.
负压
Negative Pressure
-20mm H.O.



正压
Pressure
280-1000mm H.O.*
负压
Negative Pressure
-20-120mm H.O.*

连接尺寸 CONNECTION SIZE

Type	A	B	C	D	E	F	G
VCP273-305	340	-	125	130	325	273	13
VCP273-315	360	-	125	130	335	273	13
VCP273-325	380	-	125	130	345	273	13
VCP273-335	400	-	125	130	355	273	13

Dimensions in mm

BULK SOLIDS HANDLING EQUIPMENT

LEVEL INDICATORS

料位计

Rotary Paddle Level Meter-ILT-Series ILT系列阻旋式料位计

ILT系列输出信号为触点式电信号，通过在各类大小的料斗或料仓棚内旋转动作来确定物料位置。
ILT Bin Level Indicators have been designed for electric signalling by rotary action of minimum or maximum material level inside bins, hoppers or silos.



料位开关

Rotary Paddle Level Meter

阻旋式料位计

主要特性

- 容器内部压力: < 0.5 bar (0.07 MPa)
- 工作温度: -20 ~ +60°C
- 斗槽直径: 100 ~ 1000 mm
- 等级: IP65
- 过程连接: 螺纹 G1 1/4", G1 1/2", G2 1/2"

- 测量叶片: 不锈钢
- 动作延时: 约 1.5 秒
- 灵敏度: 可调节复位力
- 测量叶片的转速: 1 转/每分钟



Operating Conditions

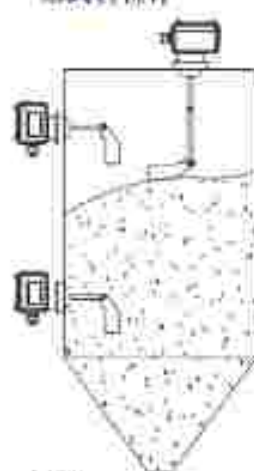
- Container excess pressure: max. 0.5 bar
- Temperature inside vessel: -20 to 60 °C
- Ambient temperature inside casing: -20 to 70 °C
- Enclosure: IP 65
- Process connection: Thread G1 1/4", G1 1/2", G2 1/2"
- measuring vane: Stainless Steel
- Friction clutch: Protection of the gearing from impact
- Pickup delay: Approx. 1.5 sec
- Sensitivity: Adjustable via reset force
- Speed of measuring vane: 1 r.p.m.

型号含义 How To Order

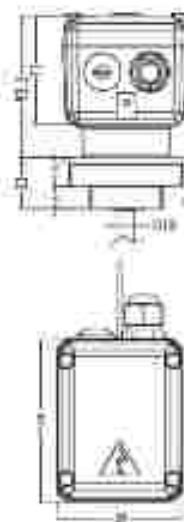
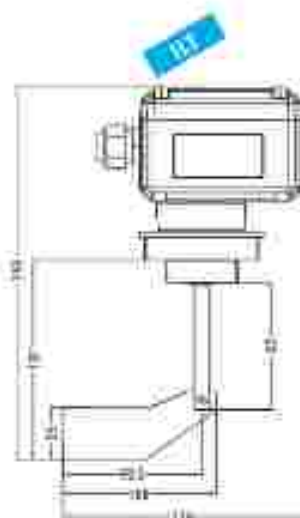
ILT	C	I
Type 型号	Voltage 电压等级	Connection 连接形式
Rotary Paddle Level Meter 阻旋式料位计	C: 表示 115V/220 AC 50-60Hz A: 表示 24V/48V AC 50-60Hz D: 表示 24V DC	Threaded D: 1 1/4" - 2 1/2" 法兰 F: 1 1/4" MP S: Flanged-法兰 A: Triple pulsette

Level Indicators

架式料位计



1.2kg



1.1 300/2 300

Part # (型号)	Steel Material (材料材质)	Power voltage (电压等级)	Signal output (信号输出)	Installed load (负载)	Connection terminal (连接端子)	Process connection (过程连接)
ILTC0	Stainless Steel 不锈钢	230 V - 50/60 Hz	AC max. 250 V, 2 A 500 W (Cos φ=1)	30A (3W)	1 x max. 1.5 mm ²	1 1/4" - 2 1/2" NPT
ILTA0		24/48 V - 50/60 Hz				
ILTD0		24 V - DC	DC max. 200 V, 2 A, 60 W			
ILTC2		230 V - 50/60 Hz	AC max. 250 V, 2 A 500 W (Cos φ=1)	30A (3W)		1 1/4" NPT
ILTA2		24/48 V - 50/60 Hz				
ILTD2		24 V - DC	DC max. 200 V, 2 A, 60 W			

Dimensions in mm

1. The dimensions are given in mm and inches.

BULK SOLIDS HANDLING EQUIPMENT

SCREW CONVEYOR ACCESSORIES

螺旋输送机配件

Tubular screw conveyor ES/TU管式螺旋输送机

管式螺旋输送机在各种配件的搭配使用下几乎可以用来输送所有的粉体物料，具有极高的性价比。

产品采用标准化设计，自动化生产，在混凝土搅拌站、干拌砂浆搅拌站、沥青搅拌站等行业得到了极为广泛的应用。



管状螺旋输送机输送量

114螺旋	=	6.5T/h	倾角0°	→	6T/h	倾角45°
168螺旋	=	25T/h	倾角0°	→	20T/h	倾角45°
219螺旋	=	70T/h	倾角0°	→	55T/h	倾角45°
273螺旋	=	100T/h	倾角0°	→	75T/h	倾角45°
323螺旋	=	125T/h	倾角0°	→	95T/h	倾角45°
406螺旋	=	180T/h	倾角0°	→	120T/h	倾角45°

以上数据基于输送堆积密度为1.10T/m³的水泥

BULK SOLIDS HANDLING EQUIPMENT

GEAR REDUCER

齿轮减速机

Gear Reducer M4 Series

M4&Z4 系列齿轮减速机

减速箱布局图

代号 Code

M 4 9 1 0 1 8 0 E S 5

减速箱型号
Type

减速箱规格
Gear reducer size

速比
Ratio

马达尺寸
Motor size

适配螺旋
Feeder

Electric motor/电动机									
Gear ratio/减速比									
kW	I	Feeder diameter / 螺旋直径							
		114	130	160	180	210	270		
1.1 HP 0.75 30S	1/5 1/7 1/10	M4107000ES0 M4107000ES0							
1.5 HP 1.0 30L	1/5 1/7 1/10	M4105000ES0 M4107000ES0 M4107000ES0	M4105000ES0 M4107000ES0						
2.2 HP 1.5 100L	1/5 1/7 1/10	M4105000ES0 M4105000ES0 M4105000ES0	M4105000ES0 M4105000ES0	M4105000ES0					
3 HP 2.0 100L	1/5 1/7 1/10	M4105000ES0 M4105000ES0 M4105000ES0	M4105000ES0 M4105000ES0	M4105000ES0 M4105000ES0					
4 HP 2.5 112M	1/5 1/7 1/10		M4305112ES0 M4305112ES0	M4305112ES0 M4305112ES0	M4305112ES0				
5.5 HP 3.7 132M	1/5 1/7 1/10			M4305112ES0 M4305112ES0	M4305112ES0 M4305112ES0	M4305112ES0			
7.5 HP 5.0 132M	1/5 1/7 1/10			M4305112ES0 M4305112ES0	M4305112ES0 M4305112ES0	M4305112ES0 M4305112ES0			
11 HP 7.5 160M	1/5 1/7 1/10				M4305112ES0 M4305112ES0	M4305112ES0 M4305112ES0	M4305112ES0 M4305112ES0		
15 HP 10.0 160M	1/5 1/7 1/10					M4305112ES0 M4305112ES0	M4305112ES0 M4305112ES0		
22 HP 15.0 180L	1/5 1/7 1/10						M4305112ES0 M4305112ES0		
30 HP 20.0 200L	1/5 1/7 1/10							M4305112ES0 M4305112ES0	

标准齿轮减速机
Standard gear reducer

Standard gear reducer

BULK SOLIDS HANDLING EQUIPMENT

GEAR REDUCER

齿轮减速器

Gear Reducer M47 Series

M47&Z47 系列齿轮减速器

M47&Z47 系列齿轮减速器适用于ES, TU, TC, TS管式螺旋输送机喂料机。

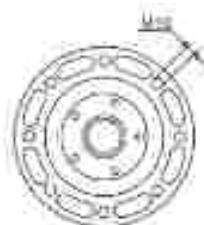
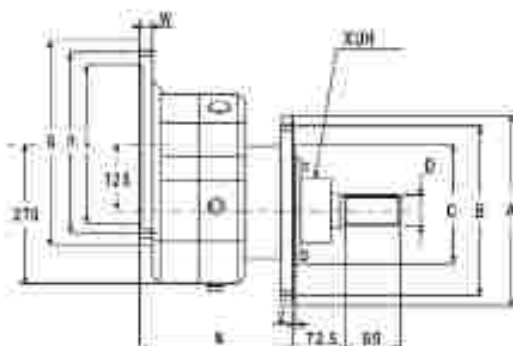
M47 series gear reducer suitable for ES, TU, TC, TS tubular screw conveyor and feeder.



M47
Z47



Gear Reducer
齿轮减速器



连接尺寸 CONNECTION SIZE

马达尺寸Motor Size	ΦD	ΦH	ΦL	N	P	FE	S	U	W
132	300	265	230	247	38	10	41	M12	14
160	350	300	250	277	42	12	45	M14	20

齿轮减速机 Gear reducer	螺旋 Ø Feeder	ΦA	ΦB	ΦC	DNØ1482 ØD	kg
M47.E82	193	250	220	186	40x36	66
M47.E83	219	275	250	210	40x36	68
M47.E84	273	330	305	265	40x36	70
M47.E85	323	405	370	315	40x36	80

Drawings in mm

所有尺寸均以毫米为单位

BULK SOLIDS HANDLING EQUIPMENT

GEAR REDUCER

齿轮减速器

Gear Reducer M45 Series

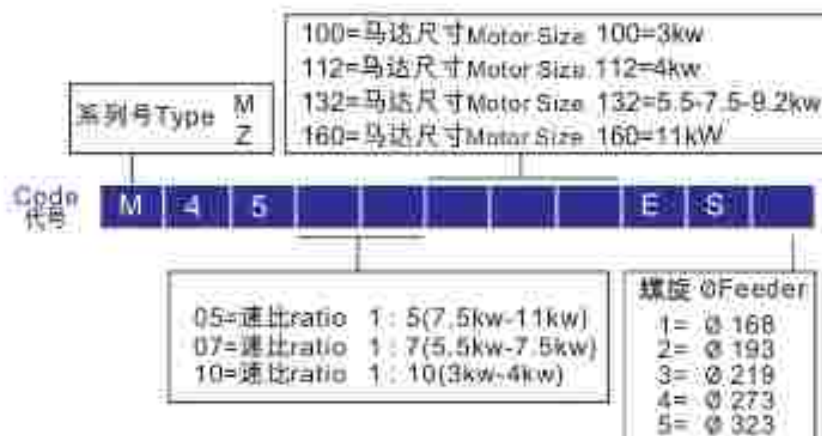
M45&Z45 系列齿轮减速器

M45&Z45 系列齿轮减速器适用于ES,TU,TC,TS管式螺旋输送机 and 喂料机。
M45 series gear reducer suitable for ES,TU,TC,TS tubular screw conveyor and feeder.

齿轮减速箱

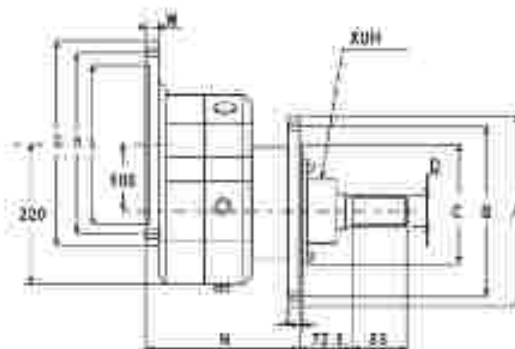
Gear Reducer

M45
Z45



Gear Reducer

齿轮减速器



连接尺寸 CONNECTION SIZE

马达尺寸 Motor Size	ØG	ØH	ØL	H	P	R	B	W
100	250	215	180	212	26	6	31	16
112	250	215	180	212	26	6	31	16
132	300	265	230	232	38	10	41	14
160	350	300	250	262	42	12	46	15

系列号 Type	ØG ØFeeder	ØA	ØB	ØC	ØD DIN6482	H ₀
M45 ES1	168	250	220	182	40x36	46
M45 ES2	193	250	220	186	40x36	48
M45 ES3	219	275	250	210	40x36	50
M45 ES4	273	330	305	265	40x36	52

Dimensions in mm

BULK SOLIDS HANDLING EQUIPMENT

GEAR REDUCER

齿轮减速器

Gear Reducer M43 Series

M43&Z43 系列齿轮减速器

M43&Z43 系列齿轮减速器适用于ES, TU, TC, TS管式螺旋输送机喂料机。

M43 series gear reducer suitable for ES, TU, TC, TS tubular screw conveyor and feeder.

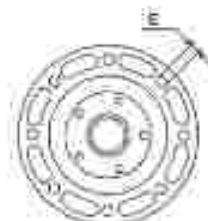
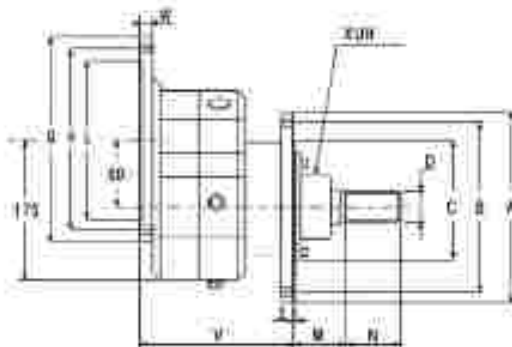
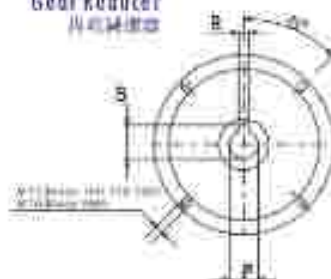


M43
Z43



系列号Type	M	090=马达尺寸 Motor Size		90=1.1-1.5kw	
	Z	100=马达尺寸 Motor Size		100=2.2-3kw	
Code 代号	M	4	112=马达尺寸 Motor Size		112=4kw
			132=马达尺寸 Motor Size		132=5.5kw
			螺旋 ØFeeder 0= Ø114-139 1= Ø168 2= Ø193 3= Ø219		

Gear Reducer
齿轮减速器



连接尺寸 CONNECTION SIZE

Motor Size	Q.C.	Q.H.	Q.L.	F	R	B	V	W
090	200	165	100	24	8	27	163	12
100	250	215	180	28	8	31	193	14
112	250	215	180	28	8	31	193	14
132	300	265	200	28	10	41	228	14

Gear reducer	Ø 输入 Ø Input	Ø A	Ø B	Ø C	Ø D Ø DN	M	N	E		Kg
								H	G	
M43.ES0	114-139	190	170	148	28x25	54	65	4	M8	20
M43.ES1	168	250	220	162	40x36	72.5	85	8	M10	28
M43.ES2	183	250	220	186	40x36	72.5	85	8	M10	28
M43.ES3	219	275	250	210	40x36	72.5	85	8	M10	32

Dimensions in mm

所有尺寸均以毫米为单位

BULK SOLIDS HANDLING EQUIPMENT

GEAR REDUCER

齿轮减速器

Gear Reducer M41 Series

M41&Z41系列齿轮减速器

M41&Z41 系列齿轮减速器适用于ES,TU,TC,TS管式螺旋输送机和喂料机。
M41 series gear reducer suitable for ES,TU,TC,TS tubular screw conveyor and feeder.

齿轮减速箱 Gear Reducer

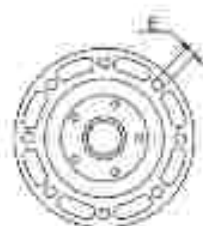
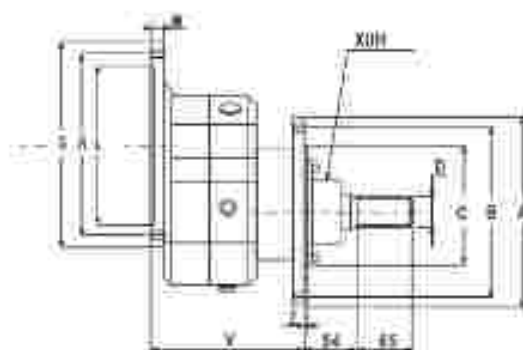
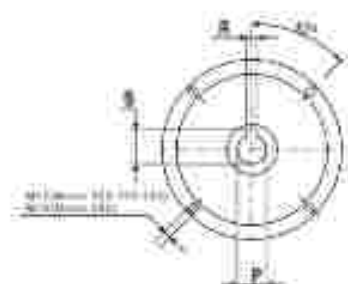
M41
Z41



系列号Type	M	090=马达尺寸 Motor Size 90=1.1-1.5kW
	Z	100=马达尺寸 Motor Size 100=2.2-3kW

Code 代号	M	4	1							E	S	Q
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05=速比ratio	1 : 5标准(1.5kw-3kw)
07=速比ratio	1 : 7标准(1.1kw-1.5kw)
10=速比ratio	1 : 10标准(1.1kw)



连接尺寸 CONNECTION SIZE

马达尺寸 motor size	ΦG	ΦH	ΦL	P	R	S	V	W
090	200	185	130	24	8	27	157	12
100	250	215	160	28	8	31	181	14

减速机接口 flange code	Φ底座 base flange	ΦA	ΦB	ΦC	ΦHx482 ΦD	E		ΦD
						H	D	
M41,ESQ	114-139	190	170	148	28X25	4	MB	18.5

Dimensions in mm

BULK SOLIDS HANDLING EQUIPMENT

MOTOR 驱动电机

Motor MT Series

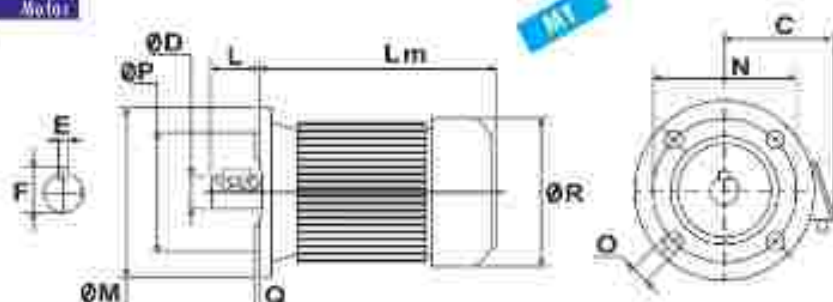
MT系列齿轮减速机

MT 系列驱动电机适用于M4&Z4系列齿轮减速机。

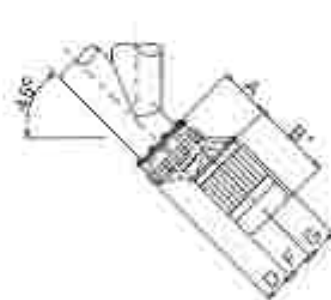
MT series drive motor for M4 & Z4 series gear reducer.

驱动电机
Motor

MT



KW	HP	电机 Code	S	D	E	F	L	Lm*	M	N	O	H	P	Q	R	kg	PG
1.1	90S	MT0900S04145	126	24	8	27	50	248	200	165	12.5	4	130	5.5	180	25	13.5
1.5	90L	MT0900L04145	126	24	8	27	50	273	200	165	12.5	4	130	5.5	180	28	13.5
2.2	100LR	MT100LR04145	142	28	8	31	60	306	250	215	15	4	180	4	218	34	16
3	100LH	MT100LH04145	142	28	8	31	60	306	250	215	15	4	180	4	218	35	16
4	112M	MT112M04145	142	28	8	31	60	334	250	215	15	4	180	4	218	44	21
5.5	132S	MT132S04145	172	38	10	41	80	371	300	265	15	4	230	4	258	85	21
7.5	132M	MT132M04145	172	38	10	41	80	409	300	265	15	4	230	4	258	79	21
9.2	132ML	MT132ML04145	172	38	10	41	80	409	300	265	15	4	230	4	258	87	21
11	160M	MT160M04245	204	42	12	45	110	485	350	300	19	4	250	5	300	118	29
15	160L	MT160L04245	204	42	12	45	110	529	350	300	19	4	250	5	300	139	29
18.5	180M	MT180M04245	200	48	14	51.5	110	543	350	300	19	4	250	5	340	160	29
22	180L	MT180L04245	270	48	14	51.5	110	585	350	300	19	4	250	5	340	220	29



$\alpha = 45^\circ$



$\alpha = 0^\circ$



尺寸(mm)

M40						
KW	A	B*	D	E	F	G
1.5	184	278	100	250	83	100
2.2	164	302	100	270	83	125
3	164	302	100	270	83	125
4	164	334	100	270	83	125
5.5	189	371	100	322	83	150

M47						
KW	A	B*	D	E	F	G
5.5	242	371	130	322	130	150
7.5	242	409	130	322	130	150
9.2	242	420	130	322	130	150
11	272	485	130	405	130	175
15	272	509	130	405	130	175

M45						
KW	A	B*	D	E	F	G
3	202	302	106	270	100	125
4	202	334	106	270	100	125
5.5	223	371	106	322	100	150
7.5	223	409	106	322	100	150
9.2	223	420	106	322	100	150
11	263	485	106	413	100	175

M48						
KW	A	B*	D	E	F	G
11	263	485	200	405	162	175
15	283	529	200	405	162	175
18.5	283	543	200	421	162	175
22	283	585	200	445	162	175

Dimensions in mm

所有尺寸均以毫米为单位。

BULK SOLIDS HANDLING EQUIPMENT

REDUCER SHAFT BOX SEALING

减速机轴杆密封盒

Reducer Shaft Box Sealing XUH Series XUH系列减速机轴杆密封盒

XUH 系列密封盒适用于M系列减速机轴杆密封。
XUH Series sealed box for M series gear box shaft seal.

减速机密封盒 Gear Reducer Sealing

XUH

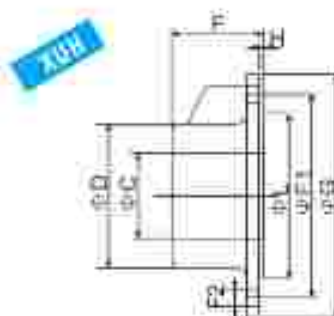
Code 代号

X U H

减速机 Gear reducer

050= M43 M45 M47

070= M49



连接尺寸 CONNECTION SIZE

Code 代号	G	D	F	F2		G	E	n	L	H	W	WTF for
				g	h							
XUHC05	35	58	68	5	4	76	37	-	-	0.3		M43-M45(E50)
XUHC050	50	90	134	9	5	155	57	2.5	118	0.3		S25-M43-M45-M47
XUHC60	60	90	134	9	5	155	57	2.5	118	0.5		
XUHC70	70	105	134	9	5	155	57	2	118	0.8		M49

减速机密封盒 Gear Reducer Sealing

SUH

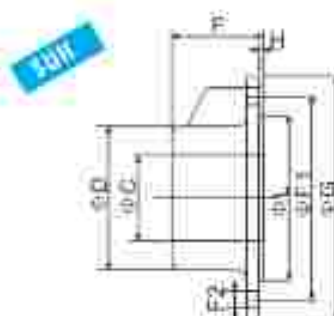
Code 代号

S U H

减速机 Gear reducer

050= RM 20 RM 25

070= RM 30 RM 35



连接尺寸 CONNECTION SIZE

Code 代号	G	D	F	F2		G	E	n	L	H	W	WTF for
				g	h							
SUHC050	50	90	134	9	4	155	57	2.5	118	0.3		RM 15 / RM 20 / RM 25
SUHC60	60	90	134	9	4	155	57	2.5	118	0.5		
SUHC70	70	105	134	9	4	155	57	2	118	0.8		RM 30 / RM 35

Dimensions in mm

BULK SOLIDS HANDLING EQUIPMENT

SCREW CONVEYOR ACCESSORIES

螺旋输送机配件

Intermediate Hanger Bearing XL Series XL系列中间悬挂总成

XL系列中间吊轴是螺旋喂料机中必不可少的连接件，是带自润滑衬套的吊架。

XL series of intermediate shaft is screw feeder hanging essential connection is with self-lubricating liner hanger.



XL R

性能特点

- 材质：铝合金
- 适用于水泥，石灰和类似粉末

Performance & Technical Features / 特点

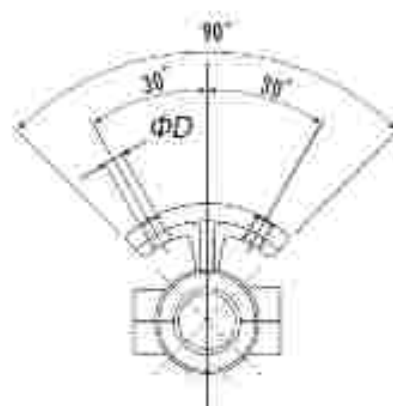
- Material: Aluminum alloy
- Suitable for cement, lime and similar powders



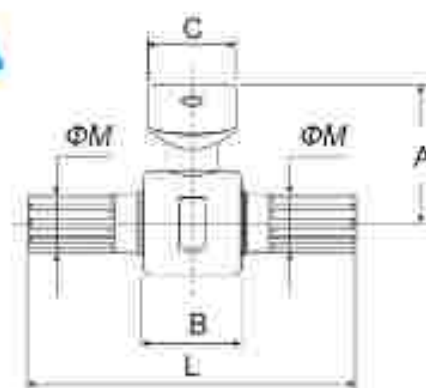
Code 代号

X L R 0 4 0 B

轴杆公称直径	喂料机 Ø Feeder
040=Ø40mm	15=Ø 168 20=Ø 219 17=Ø 193 25=Ø 273 30=Ø 323



FOR ES Screw conveyor



连接尺寸 CONNECTION SIZE

Part No 代号	Ø Shaft 轴杆	Ø Feeder 喂料机	A	B	C	D	W pin 轴销	L	kg
XL R 040 B 015	40	ES 168	80	55	51	M14	40x36	245	1.5
XL R 040 B 017	40	ES 193	92.5	55	51	M14	40x36	245	3.5
XL R 040 B 020	40	ES 219	105.5	55	51	M14	40x36	245	3.9
XL R 040 B 025	40	ES 273	127.5	55	51	M14	40x36	245	4.5
XL R 040 B 030	40	ES 323	157.5	55	51	M14	40x36	245	5.0

Dimensions in mm

所有尺寸均以毫米为单位

BULK SOLIDS HANDLING EQUIPMENT

SCREW CONVEYOR ACCESSORIES

螺旋输送机配件

Intermediate Hanger Bearing XLY Series XLY系列中间悬挂总成

XLY系列中间吊轴是螺旋喂料机中必不可少的连接件，是带自润滑衬套的吊架。

XLY series of intermediate shaft is screw feeder hanging essential connection it with self-lubricating liner hanger.



XLY

性能材料

- 材质：球墨铸铁/碳钢
- 适用于水泥、石灰和类似粉末

Performance & Technical Features - Details

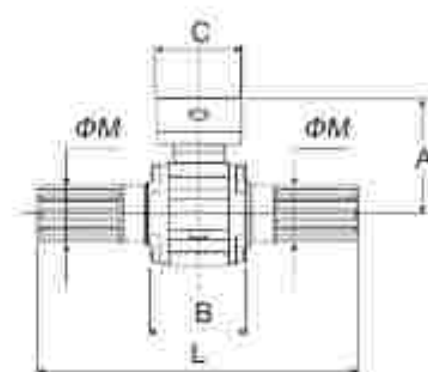
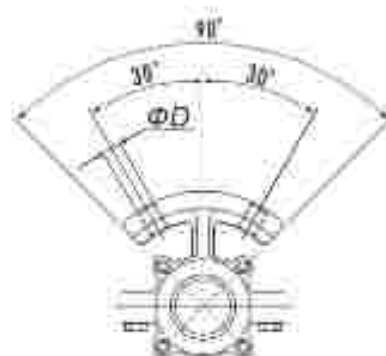
- Material: carbon steel
- Suitable for cement, lime and similar powders



Code 代号

X | L | Y | 0 | 4 | 5 | B

轴杆 Ø Shaft	喂料机 Ø Feeder	
045=Ø45mm	15=Ø168	25=Ø273
060=Ø60mm	20=Ø219	30=Ø323
		35=Ø406



FOR TU Screw conveyor 连接尺寸 CONNECTION SIZE

轴号 XLY	轴杆 Ø Shaft	喂料机 Ø Feeder	A	B	C	H	M Ømm S902	L	Weight
XLY045H020	45	TU 219	105.5	75	62	M14	40x36	225	4.5
XLY045H025	45	TU 273	132.5	75	62	M14	40x36	225	4.7
XLY045H030	45	TU 323	157.5	75	62	M14	40x36	225	5.0
XLY060H035	60	TU 406	197.0	75	60	M20	60x55	295	14.0

Dimensions in mm

BULK SOLIDS HANDLING EQUIPMENT

SCREW CONVEYOR ACCESSORIES

螺旋输送机配件

Intermediate Hanger Bearing SI Series SI 系列中间悬挂总成

SI 系列中间吊轴是螺旋喂料机中必不可少的连接件。是带自润滑衬套的吊架。

SI series of intermediate shaft is screw feeder hanging essential connection is with self-lubricating liner hanger.

中吊轴 Hanger Assembly

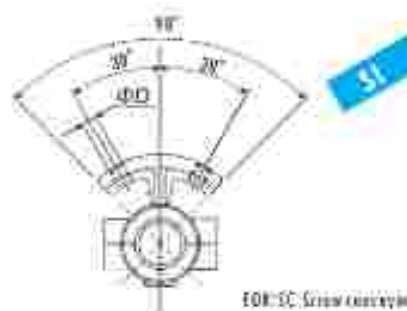
SI

材质/材料

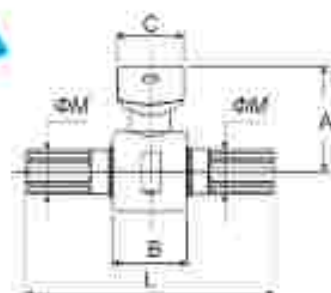
材料：铝合金
适用于水泥、石灰和类似粉末

Performance & Technical Features - Benefits

Material: Aluminum alloy
Suitable for cement, lime and similar powders



FOR SC Screw conveyor



连接尺寸 CONNECTION SIZE

Part No 型号	Shaft 轴径	Feeder 适用喂料机	A	B	C	D	M 轴径 轴孔	L	Kg
SI 168	40	SC 168	80	55	51	M14	40x36	245	3.5
SI 219	40	SC 219	105.5	55	51	M14	40x36	245	3.9
SI 273	40	SC 273	132.5	55	51	M14	40x36	245	4.5
SI 323	40	SC 325	157.5	55	51	M14	40x36	245	5.0

中吊轴 Hanger Assembly

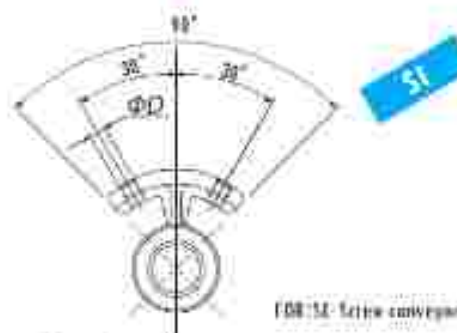
SI

材质/材料

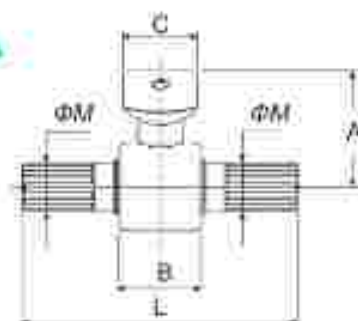
材料：碳素铸钢或碳钢
适用于水泥、石灰和类似粉末

Performance & Technical Features - Benefits

Material: carbon steel
Suitable for cement, lime and similar powders



FOR SC Screw conveyor



连接尺寸 CONNECTION SIZE

Part No 型号	Shaft 轴径	Feeder 适用喂料机	A	B	C	D	M 轴径 轴孔	L	Kg
SI 375	60	SC 373	157.5	75	54	M14	60x55	295	13.0
SI 407	60	SC 407	197.0	75	60	M20	60x55	295	15.0

Dimensions in mm

所有尺寸均以毫米为单位，如有变动恕不另行通知。

BULK SOLIDS HANDLING EQUIPMENT

SCREW CONVEYOR ACCESSORIES

螺旋输送机配件

OUTLET END BEARING ASSEMBLY XTA Series XTA 系列出口终端支撑

XT 系列出口终端支撑总成是螺旋喂料机中必不可少的连接件。是用于螺旋尾端支撑叶片主轴用。
XT series outlet terminal support assembly is an indispensable connector in the screw feeder, it used for spiral tail support blade spindle.

出料口尾端支撑 Outlet End Bearing Assembly

XTA

Code 代号

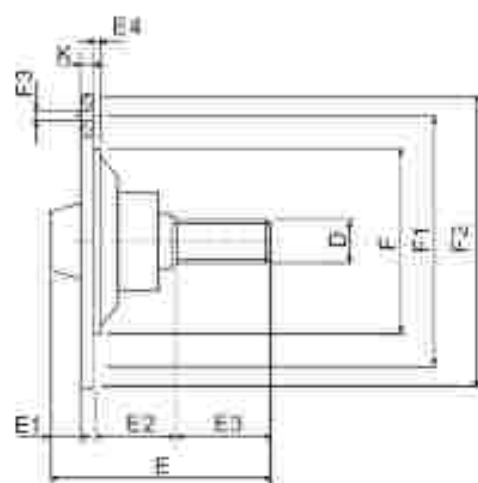
X | T | A | 0 | 0 | E | S | A

喂料机 Feeder

0= Ø114-139 3= Ø219
1= Ø168 4= Ø273
2= Ø193 5= Ø323



OUTLET END BEARING



连接尺寸 CONNECTION SIZE

Code 代号	Feeder 适用机型	DN S402 ØD	E	E1	E2	E3	E4	E5	E6	E7	E8	F3		K	KG	Bearing 轴承
												Φ	H7			
XTA00ES0A	114-139	28x36	175	50	54	65	2	148	170	190	M8	4	12	3	6008-2RS	
XTA00ES1A	168	40x36	197.5	52	72.5	85	3	162	220	250	M10	8	14	7	6008-2RS	
XTA00ES2A	193	40x36	197.5	52	72.5	85	3	186	220	250	M10	8	14	7	6008-2RS	
XTA00ES3A	219	40x36	197.5	52	72.5	85	3	210	260	275	M10	8	15	7.5	6008-2RS	
XTA00ES4A	273	40x36	197.5	52	72.5	85	3	265	305	330	M10	8	15	9.5	6008-2RS	
XTA00ES5A	323	40x36	197.5	52	72.5	85	4	315	370	405	M10	8	15	15	6008-2RS	

Dimensions in mm

BULK SOLIDS HANDLING EQUIPMENT

SCREW CONVEYOR ACCESSORIES

螺旋输送机配件

INLET END BEARING ASSEMBLY XTB Series

XTB 系列进口终端支撑

X1 系列进口终端支撑总成是螺旋喂料机中必不可少的连接件，是用于螺旋尾端支撑叶片主轴用。
X1 series of export terminal support assembly is an indispensable connector in the screw feeder, is used for spiral tail support blade spindle.

进料口端支撑 Inlet End Bearing Assembly

XTB

Code 代号

X T B E S B

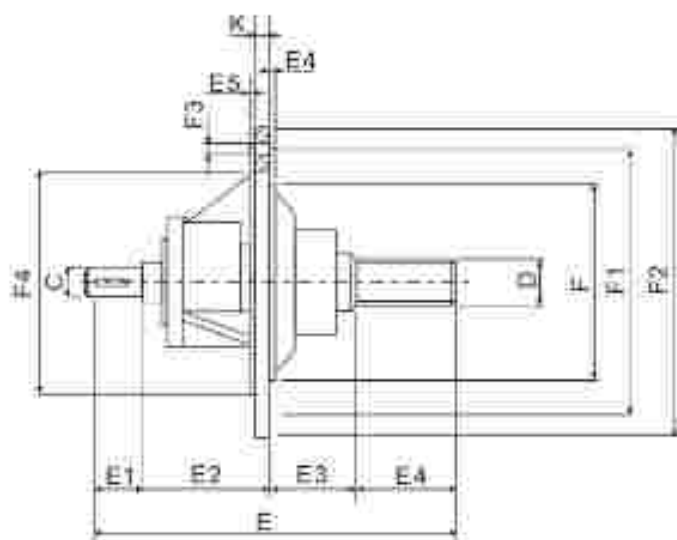
喂料机 Feeder

0= Ø114-139 3= Ø219
1= Ø168 4= Ø273
2= Ø193 5= Ø323



INLET END BEARING

XTB



连接尺寸 CONNECTION SIZE

Code 代号	ΦFeeder 喂料机口径	HT 354T HT	SH 344T SH	Φ	E1	E2	E3	E4	E5	E6	E7	E8	E9	E10	E11	E12	E13	E14	E15	E16	E17	E18	E19	E20	E21	E22	E23	E24	E25	E26	E27	E28	E29	E30	E31	E32	E33	E34	E35	E36	E37	E38	E39	E40	E41	E42	E43	E44	E45	E46	E47	E48	E49	E50	E51	E52	E53	E54	E55	E56	E57	E58	E59	E60	E61	E62	E63	E64	E65	E66	E67	E68	E69	E70	E71	E72	E73	E74	E75	E76	E77	E78	E79	E80	E81	E82	E83	E84	E85	E86	E87	E88	E89	E90	E91	E92	E93	E94	E95	E96	E97	E98	E99	E100
XTB25ES2B	114-139	25	25x25	250	50	81	54	38	2	2	148	170	190	M8	4	110	12	48	6	6008	51108	0.08																																																																																		
XTB35ES1B	168	35	40x35	330	55	117.5	72.5	85	2	3	162	220	250	M10	8	188	14	50	14	6208	51168	0.08																																																																																		
XTB35ES2B	193	35	40x35	330	55	117.5	72.5	85	2	3	189	220	250	M10	8	188	14	50	14	6208	51168	0.08																																																																																		
XTB35ES1B	219	35	40x35	330	55	117.5	72.5	85	2	3	210	250	275	M10	8	188	15	50	16.5	6308	51268	0.09																																																																																		
XTB35ES4B	273	35	40x35	330	55	117.5	72.5	85	2	3	265	305	330	M10	8	188	15	50	19.7	6308	51268	0.09																																																																																		
XTB35ES5B	323	35	40x35	330	55	117.5	72.5	85	2	4	315	370	405	M10	8	188	15	50	25	6308	51268	0.09																																																																																		

Dimensions in mm

所有尺寸均以毫米为单位

BULK SOLIDS HANDLING EQUIPMENT

REDUCER SHAFT COUPLINGS

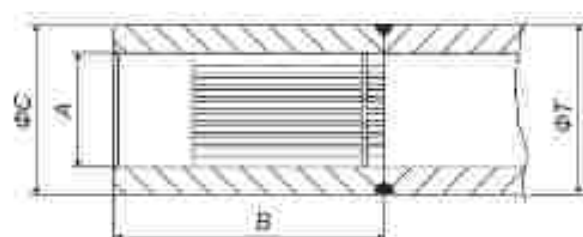
减速箱轴杆花键套

XA 花键套 Shaft Couplings

XA花键套焊接于内管两端用于连接螺旋机叶片,适用于威埃姆,仕高玛219/273/323螺旋机。
XA spline sets are welded to the ends of the inner tube for the connection of the screw blades. Suitable for 219/273/323 screw

螺旋花键套 Shaft Couplings

XAA



XAA

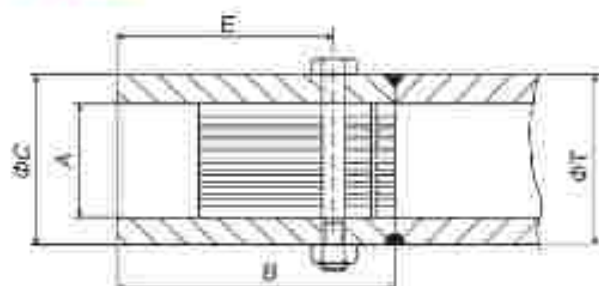


连接尺寸 CONNECTION SIZE

型号 Part No	适用螺旋机 D/Feeder	片数 Number of blades	L	T	C	E	F	ΦD
XAA 028T042	114 139	13	28X25	70	42	45		0.5
XAA 040T060	168 193 219 273	20	40X36	92	60	66		1.2
XAA 040T060	323	20 28	40X36	92	60X55	60		1.2
XAA 060T090	323	28	60X35	110	90	90		4.1
XAA 060T114	223	28	60X35	140	114	114		9.1

螺旋花键套 Shaft Couplings

XAL



XAL



连接尺寸 CONNECTION SIZE

型号 Part No	适用螺旋机 D/Feeder	片数 Number of blades	L	T	C	E	F	ΦD
XAL 028T042	168 192 219 273	13	28X25	70	42	35	40	0.5
XAL 040T060	168 192 219 273	20	40X36	92	60	35	60	1.2
XAL 060T114	323	28	60X35	140	114	55	114	9.1

Dimensions in mm

BULK SOLIDS HANDLING EQUIPMENT

SCREW CONVEYOR ACCESSORIES

螺旋输送机配件

INSPECTION HATCH 螺旋检查窗

检查窗位于第一个进口溜槽下方，以及每个中间溜槽下方，用于方便维护中间溜槽。
Inspection hatches are provided on standard feeders beneath the first inlet spout, as well as beneath each intermediate bearing.
The convenient maintenance.



XKA

性能特点

- 适用于168/219/273/323螺旋输送机
- 带有弹性密封条
- 带有固定杆

Performance & Technical Features - Details

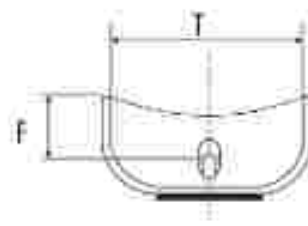
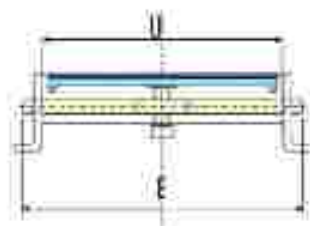
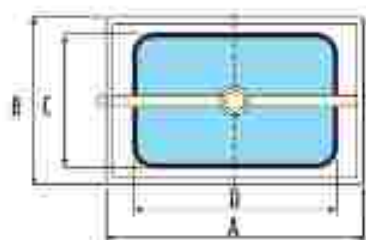
- Suitable for 168/219/273/323 screw conveyor
- With an elastic sealing strip
- With a fixed link



Code 代号

X K A 2 1 9

喂料机 Feeder
Ø168 Ø273
Ø219 Ø323



连接尺寸 CONNECTION SIZE

Code 代号	喂料机 Feeder	A	B	C	D	E	F	T	U	Kg
XKA168	168	274	150	144	265	300	71.0	181	267	3.5
XKA193	193		167	160						3.5
XKA219	219		212	205						3.5
XKA273	273		236	230						3.5
XKA323	323									3.5

Dimensions in mm

所有尺寸均以毫米为单位

BULK SOLIDS HANDLING EQUIPMENT

螺旋法兰

螺旋法兰

螺旋法兰

XKF

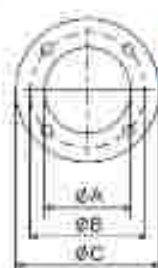


FIG.1

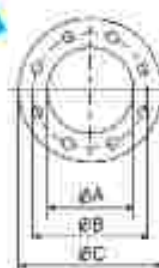


FIG.2

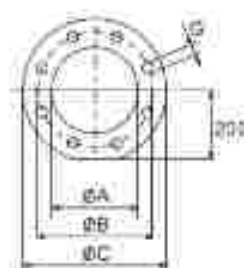


FIG.3

系列 Fig	代号 Code	ØA	ØB	ØC	G		厚度 Thickness	VFS	kg
					N	g			
1	XKF291	141	160	220	4	13.5	6	100	1
1	XKF301	156	180	220	4	14	7	100	1.5
1	XKF311	168	200	228	4	14	7	150	1.0
1	XKF321	193	250	278	4	14	7	200	1.7
2	XKF331	219	250	278	6	14	7	200	1.3
2	XKF341	273	300	378	8	14	7	250	1.5
2	XKF351	323	350	378	8	14	7	300	1.7
2	XKF361	323	375	440	8	14	7	300	4.0
2	XKF371	367	400	440	8	14	7	350	3.0
2	XKF381	408	470	530	8	14	7	400	5.0

机械组件

ES-ESV 螺旋喂料机附件 — 机械组件

Ø	出料口驱动轴 出料口联轴器	进料口驱动轴 进料口联轴器	中间轴	进料口联轴器	出料口联轴器	中间联轴器	轴径 轴径
104	XTB25E50B12	XTA00E50A01	XLRD28B010T44	XAA028T0421	XAA028T0421	XAA028T0421	VFS100
150	XTB25E50B12	XTA00E50A01	XLRD28B013T44	XAA028T0481	XAA028T0481	XAA028T0481	VFS150
168	XTB35E51B12	XTA00E51A01	XLRD40B015T44	XAA040T0601	XAA040T0601	XAA040T0601	VFS168
190	XTB35E52B12	XTA00E52A01	XLRD40B017T44	XAA040T0601	XAA040T0601	XAA040T0601	VFS190
219	XTB35E53B12	XTA00E53A01	XLRD40B020T44	XAA040T0601	XAA040T0601	XAA040T0601	VFS219
273	XTB35E54B12	XTA00E54A01	XLRD40B025T44	(用 M55 XAA060T0601) XAA040T0601 (用 M48 XAA060T0601)	(用 M55 XAA060T0601) XAA040T0601 (用 M48 XAA060T0601)	XAA040T0601	VFS273
323	XTB35E55B12	XTA00E55A01	XLRD40B030T44	XAA040T1141 (用 M47&XTB35 XAC040T1141)	XAA040T1141 (用 M47&XTA XAC040T1141)	XAC040T1141	VFS323

Dimensions in mm

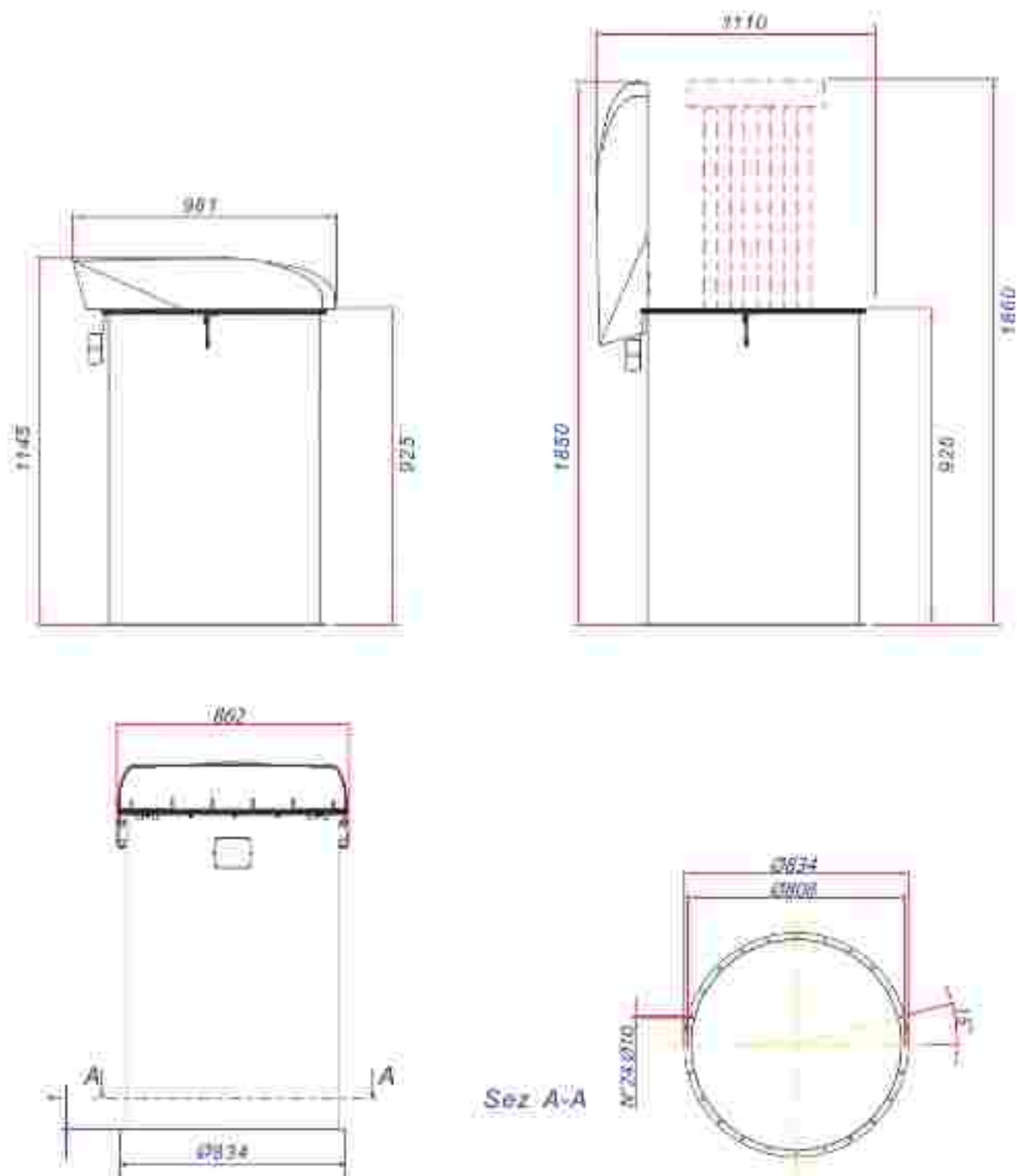
BULK SOLIDS HANDLING EQUIPMENT

DESCRIPTION AND TECHNICAL CHARACTERISTICS

说明与技术规格

R03 除尘器尺寸 R03 DIMENSIONS

外观尺寸 / Overall Dimensions:



Dimensions in mm

BULK SOLIDS HANDLING EQUIPMENT

DESCRIPTION AND TECHNICAL CHARACTERISTICS

说明与技术规格

R03 过滤器滤芯 R03 FILTER ELEMENTS



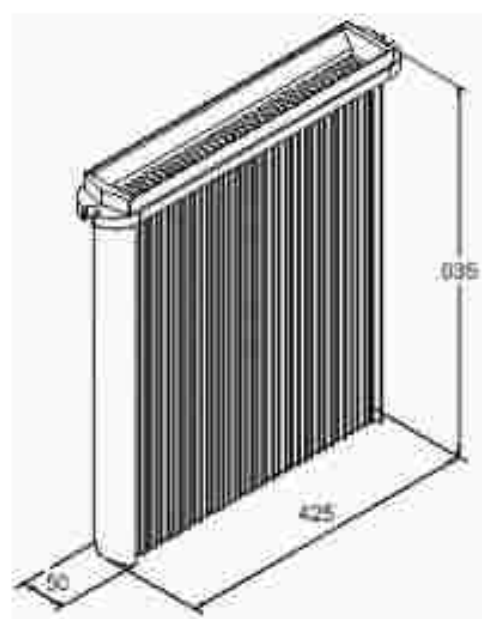
KFEW

Code 代号

KFEW	3	001	PP
Type 型号	Specification 规格	Qty 滤芯数量	Material 材料
KFEW	3 ϕ 100mm	001-001	PP Polypropylene 聚丙烯

FILTER ELEMENTS

过滤器滤芯



The R03 Venting Filter is provided with seven filter elements.

These elements are parallelepiped shaped and the dimensions are as shown in the diagram above; the filtering medium is a non-woven pleated spunbonded fleece.

The total filtering surface is 24.5m².

R03

排气过滤器共有七个过滤器滤芯。

这些滤芯排列成平行六边形，尺寸如上图所示。过滤介质是一种无纺折叠式纺粘无纺布。

总过滤面积为 24.5 平方米。

BULK SOLIDS HANDLING EQUIPMENT

Silo Venting Filters

仓顶排气除尘器

V2 仓顶排气除尘器 V2 Silo Venting Filters

V2 是一种完全由不锈钢制成的圆形排气过滤器（密封框由经过表面处理的碳钢制成）。该过滤器带有一个法兰式壳体，可以利用 24 个螺栓将过滤器固定在筒仓中。

V2 is a cylindrical shaped dust collector for venting of pneumatically filled silos. The stainless steel body contains vertically mounted, filter elements. The air jet cleaning system is integrated in the hinged weather protection cover.



V2

Feature - 特性	Function - 功能	Benefit - 优点
Standard Stainless Steel Body 标准不锈钢外壳	Resistance to Corrosion 抗腐蚀性或潮湿处理	Reduce Maintenance Costs Due to Increased Durability 增强耐用性减少维护成本
High Quality Filter Media 高质量滤芯	High Filtration Efficiency 高过滤效率	Lower Dust Emissions 低粉尘排放
Push-In Filter Elements 插入式滤芯设计	Quick to Swap out worn media (no need to change) 快速更换磨损的滤材（无需停料清仓）	Lower Maintenance Costs 低维护成本
Maintenance Height = 1,140mm (2.5ft) 维护高度=1140mm (3 英尺)	Easy Maintenance 维护方便	Increase Work Safety - Reduces Maintenance Costs 增加工作安全性-降低维护成本
Easy opening system with fingerlocks 翻盖式系统带手指锁	Easy Maintenance 维护方便	Reduce Maintenance Costs 降低维护成本



外观尺寸 / Overall Dimensions



Overall Dimensions

型号 CODE	仓筒直径 BODY Ø mm [in.]	过滤面积 FILTER SURFACE m ² [sq ft]	关闭时高度 MAX. HEIGHT WHEN CLOSED mm [in.]	开启时高度 MAX. HEIGHT WHEN OPEN mm [in.]	重量 WEIGHT kg [lb]
V2	800 [31.5]	24 [147]	1,140 [44.9]	1,825 [71.6]	120 [264]

Dimensions in mm

BULK SOLIDS HANDLING EQUIPMENT

DESCRIPTION AND TECHNICAL CHARACTERISTICS

说明与技术规格

V2 过滤器滤芯 V2 FILTER ELEMENTS

折叠式滤芯采用PET聚酯纤维材料，具有很好的刚性，滤布厚度仅有0.2mm，表面过滤性能突出，压力损失小，易清理，寿命长，滤芯内部采用强度很高的塑料骨架，与折叠的滤布铸成一体，具有很好整体性和密封性能，折叠式滤芯有900mm,750mm和500mm三种长度。

Folding filter using PET polyester fiber, has good rigidity, the thickness of the filter cloth is only 0.2 mm, surface filtering performance is outstanding, the pressure loss is small, easy cleaning, long service life, filter made of high strength plastic internal skeleton, and folded filter cloth cast into an organic whole, have good integrity and seal performance, folding filter with 900 mm and 750 mm length.



V2

过滤器的主要部件是滤芯。

它们是由聚酯纤维制成，内衬圆柱金属架。

各种类型的过滤介质都是非常适用的。

圆柱形滤芯的外部直径在140mm左右，长度依过滤面积而定，见下表。

折叠式滤芯特点：单位体积内的有效过滤面积很大，是圆袋式滤芯的4倍左右（如下图所示）。

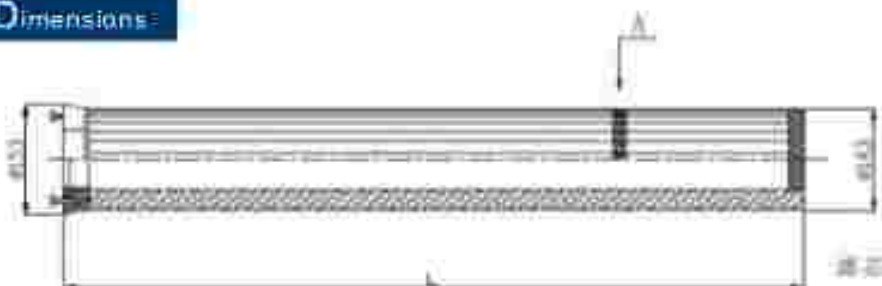
从而大大减小除尘器的体积，降低设备成本，安装维护也更加方便，折叠式滤芯应用广泛。

但对于某些特殊的粉体物料并不适用。

Folding filter characteristics: effective filter area per unit volume is very big, is 4 times the left and right sides of bag filter circle (as shown in the figure below): so as to greatly reduce the volume of a dust collector, reduce the cost of equipment, installation and maintenance more convenient also. The folding filter is widely used, but it is not suitable for some special powder materials.

过滤材料	PP	PV	PA	PT
Filtering material	FP	FV	FA	FT
材料处理		聚四氟乙烯涂层	防静电	聚四氟乙烯膜
Material handling		Teflon coating	Anti-static	Polytetrafluoroethylene film
应用	一般粉体	潮湿或油性粉体	需除静电场合	比较特殊的粉体
Should be used	General powder	Wet or oily powder	It needs to be de-static	A special powder

外观尺寸 / Overall Dimensions:



Overall Dimensions

过滤器 Ø (mm)	滤芯直径 BODY Ø (mm)	过滤面积 FILTER SURFACE (m²)	过滤介质 FILTER MEDIUM	滤芯数量 FILTER THE NUMBER	长度 LENGTH (mm)
吸尘器	145	22	PP/PV/PA/PT	14	900

Dimensions in mm

Filter elements are made of polypropylene (PP) or polyester (PET).

BULK SOLIDS HANDLING EQUIPMENT

PINCH VALVES

夹管阀

Pneumatic Pinch Valve-VM-Series VM气动夹管阀

VM系列夹管阀用于控制粉体管路介质的开启或关闭。

VM Pinch Valves are used for material flow interception in pneumatic conveying systems, or other pipelines.



性能特点

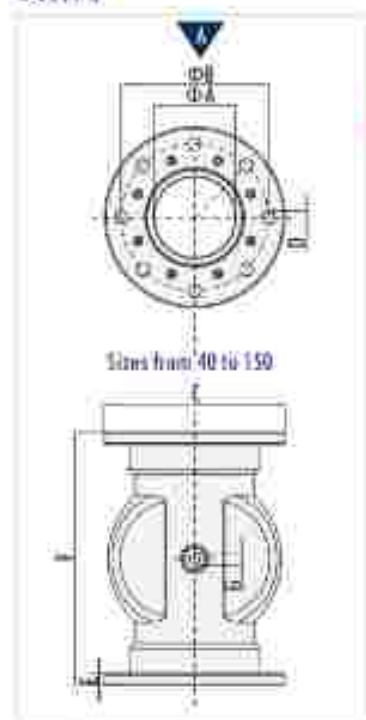
- 管路压力 p_t : ≤ 3.5 bar
- 控制压力 p_c : ≤ 16 bar
- 环境温度: $-10 \sim +60^\circ\text{C}$

OPERATING CONDITIONS

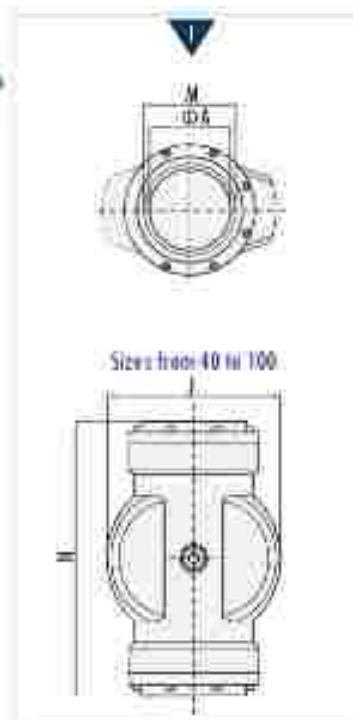
- p_t Internal Max.: Pneumatic Conveying System Pressure: 3.5 bar
- p_c Closure control Pressure: 16 bar (Max.: 8 bar)
- Working Temperature: from -10°C up to 60°C



Pinch Valve
夹管阀



VM



p_t max.: max. 3.5 bar

p_c max.: max. 16 bar

连接尺寸 CONNECTION SIZE

TYPE	A	B	C	D	E	F	G	H	I	J	K	L	M	N
VM040	40	110	150	M 16	4	12	170	1/8"		99		14 1/2"	202	2.20
VM050	50	125	165	M 16	4	15	180	1/8"		120		2"	214	2.40
VM063	63	145	185	M 16	4	15	225	1/4"		130		2 1/2"	230	4.00
VM080	80	160	200	M 16	4	15	270	1/4"		180		3"	294	5.80
VM100	100	180	220	M 16	8	15	310	1/4"		214		4"	338	7.60
VM125	125	210	250	M 16	8	15	350	1/4"		250				10.70
VM150	150	240	280	M 16	8	18	390	1/4"		285				15.80
VM200	200	295	340	M 16	8	25	460	1/4"		374				22.40

Dimensions in mm

Pinch Valve is a quality product of the company.

BULK SOLIDS HANDLING EQUIPMENT

PINCH VALVE CONTROL COMPONENTS

夹管阀控制系统

Pinch Valve Control Panel

夹管阀控制回路

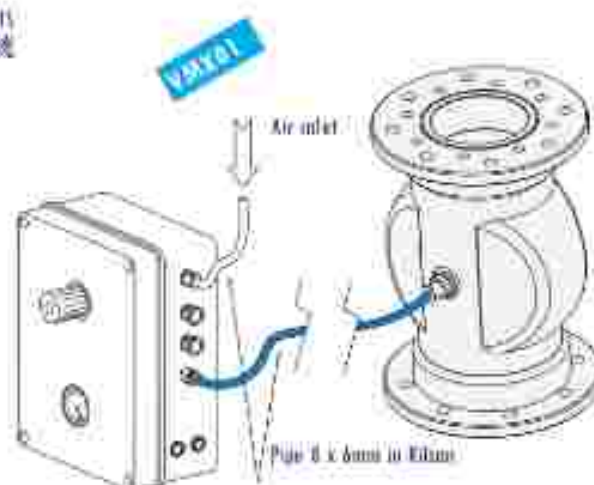
VMX控制系统用于控制VM夹管阀的开启或关闭

VMX control system for controlling the VM pinch valve open or closed

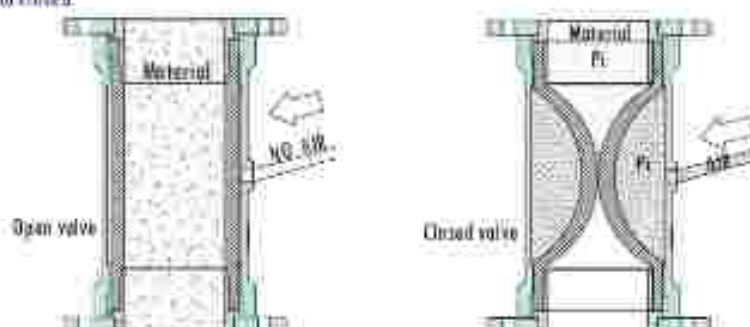


PINCH VALVE CONTROL COMPONENTS

夹管阀控制系统



Cross section showing how Pinch Valve operates when open and closed.



P_i = Internal pressure pneum. conv. system

P_c = Closure control pressure

Max. Operating Pressure 最大使用压力					
Slave Material	Size	Temp. (°C)	$P_{i \max}$ (bar)	$P_{c \max}$ (bar)	Max. Pressure (bar)
NR	13-65	-10 ~ +80°C	3.5	$P_i + 2.5$	6
	80-200			$P_i + 2.5$	6
NBR	13-65	-10 ~ +80°C	3.5	$P_i + 2.5$	6
	80-200			$P_i + 2.5$	6

P_i = Internal pressure pneum. conv. system
 P_c = Closure control pressure

Dimensions in mm

BULK SOLIDS HANDLING EQUIPMENT

PINCH VALVE CONTROL COMPONENTS

夹管阀控制系统

Pinch Valve Control Panel

夹管阀控制器

VMX控制系统用于控制VM夹管阀的开启或关闭

VMX control system for controlling the VM pinch valve open or closed.



性能特点

- 环境温度: $-30 \sim +70^{\circ}\text{C}$

适用范围

- 电磁阀线圈 24-28V AC/DC & 50Hz/60Hz

OPERATING CONDITIONS

- Ambient temperature wide range: $-30 \sim 70^{\circ}\text{C}$

OPTIONAL ACCESSORIES

- Solenoid coils: 24-28V AC/DC & 50Hz/60Hz

型号含义 How To Order

VMX	系列	电压	电压	防护等级
Type 型号	Series 系列	Voltage 电压	Voltage 电压	Protection class 等级
VMX	无= 无附件 BX= 防爆型 box type	无= 无附件 BX= 防爆型 box type	无= 24V AC/DC B= 24V AC C= 24V AC/50-60Hz D= 24V AC/50-60Hz E= 24V AC/50-60Hz 无电隔离	无= 标准 standard EX= 防爆 explosion proof

PINCH VALVE CONTROL COMPONENTS

夹管阀控制系统



重量 约 3.00kg/240X160



Part # 型号	Operating pressure 工作压力	Max. voltage 工作电压	Temperature 工作温度	Connection to media 连接管子	25 Max. 流量	Installed load 功率	Protection level 防护等级	Weight 重量 (kg)
VMX01	2.5Bar	17-74-40 110-220 AC/DC	$-10 \sim +50^{\circ}\text{C}$	2a max. 1.5 mm ³	0.06	60W (60W)	IP55	1.90

Specifications in mm

Pinch valve control system components

BULK SOLIDS HANDLING EQUIPMENT

FLOW AIDS

破拱装置

Bin Aerators-VBS-Series

VBS 系列助流气碗

VBS 型振动式破拱气碗用于改善散装物料的流动情况

VBS vibratory bowl for help gas flow to improve the bulk material

破拱气碗

VBS



性能-特性

- 工作压力: 0.3 ~ 4bar
- 工作温度: -40 ~ +100°C
- 相比其它破拱效率提高70% ~ 120%
- 适用于水泥, 石灰和类似粉末, 食品级 (FDA)

可选附件

- 带有不锈钢轴 (VBSI)
- 外部安装套件 (VBSL)
- 微型振动器 (VBSM)



Performance & Technical Features - Benefits

- Air pressure 0.3 to 4 bar
- For powders and granular products
- Food grade (FDA-approved)

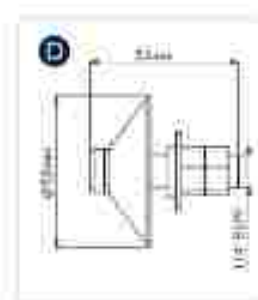
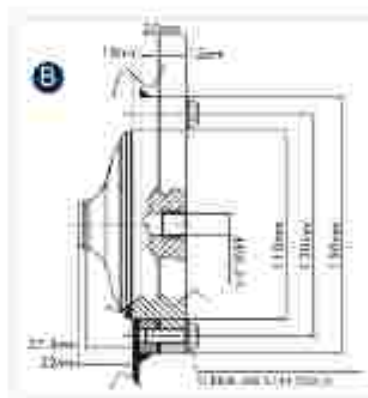
Options & Accessories

- With stainless steel shaft (VBSI)
- For external assembly (VBSL only)
- Miniature execution (VBSM)



型号含义 How To Order

VBS	M	I	ST	F
Type 型号	无 - 轴 (Stainless Steel) 轴 - 轴 (Stainless Steel)	无 - 轴 (Stainless Steel) 轴 - 轴 (Stainless Steel)	无 - 标准 (Standard) 轴 - 轴 (Stainless Steel) 轴 - 轴 (Stainless Steel)	无 - 标准 (Standard) 轴 - 轴 (Stainless Steel) 轴 - 轴 (Stainless Steel)



Part # 零件号	DRAWING 图号	COLOR/颜色	SHAFT 轴材料	Air consumption (air volume) 耗气量 MAX						Working temperature 工作温度		MEMBRANE 膜片材料	
				1.0bar (14.5psi)		2.0bar (29psi)		3.0bar (43.5psi)		Min	Max	mm	in
				1.0bar	2.0bar	1.0bar	2.0bar	1.0bar	2.0bar				
VBS	A	White	Aluminium	600	10	600	28	1150	40	-40	170	104	4
VBSI	A	White	Stainless steel	600	10	600	28	1150	40	-40	170	104	4
VBSM1	A	Red	Stainless steel	600	10	600	28	1150	40	-40	170	104	4
VBSM2	A	Blue	Stainless steel	600	10	600	28	1150	40	-40	170	104	4
VBSL	B	White	Nylon	-	-	-	-	1150	40	-40	60	104	4
VBSL	B	White	Nylon	-	-	-	-	1150	40	-40	60	104	4
VBSM	D	White	Aluminium	100	1.5	150	5	-	-	-40	170	54	2.1
VBSM	D	White	Stainless steel	100	1.5	150	5	-	-	-40	170	54	2.1
VBSM1	C	White	Nylon	100	1.5	150	5	-	-	-40	60	54	2.1

Dimensions in mm

BULK SOLIDS HANDLING EQUIPMENT

FLOW AIDS

破拱装置

Bin Aerators-VB-Series

VB系列助流气碗

VB和VBE型振动式破拱气碗用于改善散装物料的流动情况

VB and VBE vibratory bowl for help gas flow to improve the bulk material



VB

产品特点

- 工作压力: 0.3-1bar
- 工作温度: -40~+100℃
- 相比其它流化器效率提高70%-100%
- 适用于水泥、石灰和类似物料
- 食品级 (FDA)

Performance & Technical Features - Benefits

- Air pressure 0.3 to 1 bar
- For powders and granular products
- Food grade (FDA approved)

选项及附件

- 带有不锈钢轴 (VBS)
- 外部安装套件 (VBE)
- 微型振动器 (VBSM)

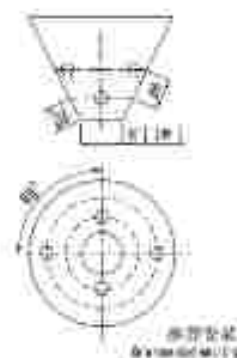
Options & Accessories

- With stainless steel shaft (VBS)
- For external assembly (VBE only)
- Miniature execution (VBSM)



型号含义 How To Order

1	2	3	4
Type 型号	空白: 标准 Blank: Standard	壳体: 合金金属 I: 不锈钢轴 Blank: Aluminum I: Stainless steel	壳体: 标准内部安装 I: 外部安装 Blank: Standard I: External Mounting



Part # 型号	DRAWING	ALUMINUM 壳体	STEEL 轴/轴套	Air consumption (air flow) 空气最大消耗 MAX.					
				2500PSI		2500PSI		2500PSI	
				1/min	1/hr	1/min	1/hr	1/min	1/hr
VB	A	White	Aluminum	500	17	1000	34	1660	57
VBS	A	White	Stainless steel	500	17	1000	34	1660	57
VBE	B	White	Nylon	500	17	1000	34	1660	57
VBSM	B	White	Nylon	500	17	1000	34	1660	57

破拱器的工作方式推荐采用间歇式运行, 例如采用开启2-3秒, 停止1-10秒, 不同压力和不同工

The work broken arch recommended intermittent operation, such as using open 2-3 seconds, stop for 1-10 seconds, different pressures

作间歇下的破拱器将会产生截然不同的助流效果

and under different working intermittently broken arch device will produce different effects of airflow.

空气消耗

CFM x 流化器数量 x 总接通时间秒/分 x 1分/60秒 = 要求的总CFM

Drawings in mm

Flow aids are not to be used in food applications.

BULK SOLIDS HANDLING EQUIPMENT

FLOW AIDS

破拱装置

43系列助流气枪 43 Series Vibrating Bin Aerators

43和44系列振动式助流气枪(流化器)用于改善散装物料的流动情况
43 and 44 vibratory bowl for help gas flow to improve the bulk material



VB 4

性能特性

- 工作压力: 0.3 ~ 4bar (3 ~ 40PSI)
- 工作温度: -40 ~ +220°C
- 适用于水泥、石膏粉和所有粉末
- 食品级 (FDA)
- 相比其它流化器效率提高10%~100%

选项及配件

- 带有不锈钢轴/吊钩
- 外部安装套件

Performance & Application Features - Aerators

- Simple design - Self-cleaning - Stainless resistant - Easy to install
- Air pressure 2 or bar (3 to 50 PSI)
- Working temperature 45-44 ~ 44°C to 220°C (100°F to 450°F)
- for powder and granular products - Food grade (FDA approved)

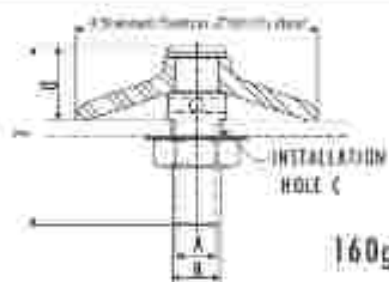
Options & Accessories

- With stainless steel shaft
- For external assembly
- Various protection

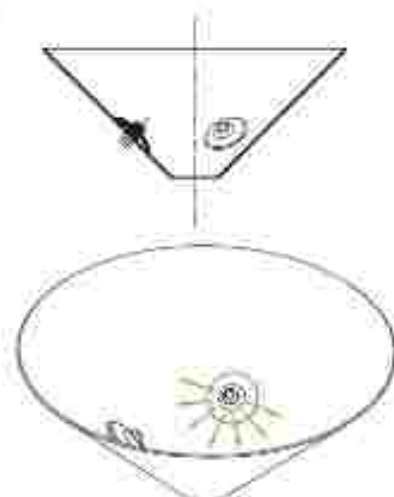


型号含义 How To Order

系列 Type	连接螺纹 Thread	材料材质 Material
VB 4	1=1/2 4=3/4	02/03: 铝合金 Aluminum 04/05: 不锈钢 Stainless steel



160g



货号 Item #	材料材质 Material	颜色 Color	连接螺纹 Thread	1	2	3	4	5	空气流量 Air flow (m³/h)
VB 4302	Aluminum	蓝色 Blue	Silicone 硅胶垫	1/4"	3/8"	1/2"	3/4"	1"	3/8" - 1/2"
VB 4303	铝	白色 White		NPT	NPT	(22mm)	(30mm)	(25mm)	(18-12mm)
VB 4304	Stainless Steel	蓝色 Blue							Tubing
VB 4305	不锈钢	白色 White	Silicone 硅胶垫	1/4"	3/8"	1/2"	3/4"	1"	3/8" - 1/2"
VB 4402	Aluminum	蓝色 Blue		NPT	NPT	(22mm)	(30mm)	(25mm)	(18-19mm)
VB 4403	铝	白色 White							Tubing or Hose
VB 4404	Stainless Steel	蓝色 Blue							(18-19mm)
VB 4405	不锈钢	白色 White							(18-19mm)

破拱器的工作方式推荐采用间歇式运行, 例如采用开启2-3秒, 停止7-10秒, 不同压力和不同工作
The work broken arch recommended intermittent operation, such as using open 2-3 seconds, stop for 7-10 seconds, different pressures
作间歇下的破拱器将会产生截然不同的助流效果
and under different working intermittently broken arch device will produce different effects of aid flows.

Series 系列	Air consumption (air requirement) 空气耗气量				QAT		
	1.5m (5.2ft)	3m (9.8ft)	4.5m (14.8ft)	6m (19.7ft)	1.5m (5.2ft)	3m (9.8ft)	Com (Bar)
4000	22	44	70	30	45	12.5	60
4300	15	15	22.5	30	45	12.5	60

Flow rates in m³/h

BULK SOLIDS HANDLING EQUIPMENT

FLUIDIZER CONTROL SYSTEM

流化器控制系统

FLUIDIZER CONTROL SYSTEM 流化器控制系统

通过安装控制器，对充气系统的操作进行编程，通过便利的固态控制器来脉冲操作充气器，以此来提供更有效的粉末运动；同时交替操作充气器，从而有助于达到更充分的卸料。

Since in our knowledge of dry bulk discharge techniques by installing a Controller to program the operation of your aeration system through the easy solid state controller provides more effective movement of powders while alternating operators can assist in more complete discharge.

流化器控制系统 Fluidizer Control System

VMKX

性能特点

- 脉冲操作充气器，以实现最佳卸料效果
- 交替操作充气器，以获得最高性能
- 控制多达16个充气器

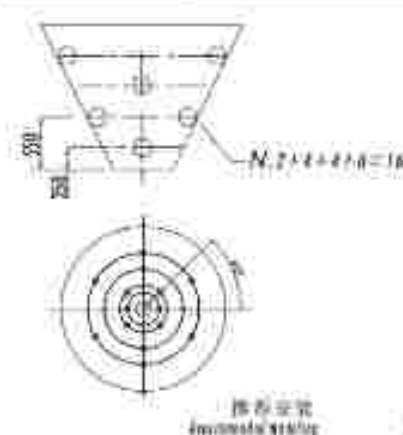
Advantages / Advantages / Avantages

- Pulse Aerators for optimum discharge
- Alternate Aerators operation for highest performance
- Controls up to 16 Aerators



型号含义 How To Order

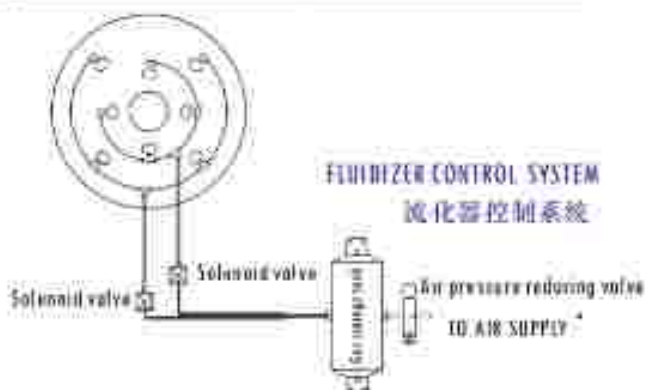
Type	Output voltage 输出电压	Output signal quantity 输出信号数量	Number of fluidizers 流化器数量
VMKX	220=220VAC 24=24VDC	1=1 signal 2=2 signals 4=4 signals 8=8 signals 16=16 signals	01-16



推荐安装
Recommended Wiring

有效的充气器放置取决于物料的类型和体积要求。

Effective placement of aerators depends on material type and volume requirements.



最大程度地利用空气

仅在从料仓卸料时才操作流化器。为确保平衡的空气分布，我们建议使用空气歧管或同时操作流化器数量保持在四个以下。如图中所示。

Maximize Your Air

Only operate the Fluidizers while discharging material from the silo. To ensure balanced air distribution it is recommended to use an air manifold or operate no more than four Fluidizers together as shown.

流化器控制系统套件包括：

- 定时器控制板与机壳*
- 空气调压罐
- 电磁阀
- 空气调节器
- 管道
- 配件
- 安装和操作手册

*除另行注明之外，所有机壳均为NEMA 4标准。

FLUIDIZER CONTROL SYSTEM PACKAGES INCLUDE:

- Timer Control Boards with Enclosures*
- Air Surge Tanks
- Solenoids
- Air Regulators
- Piping
- Fittings
- Installation and Operating Instructions

*All enclosures are NEMA 4 unless otherwise requested.

BULK SOLIDS HANDLING EQUIPMENT

FLOW AIDS

破拱装置

Aeration Pads I100 Series

I100系列助流气垫

I100破拱气垫主要用作预防性措施。在储料器或料仓的卸料过程中，如果内部有一股空气定期吹送物料，大多数物料的流动状态将会比较理想。

I100 is mainly used for air flow aids preventive measures. In the hopper or silo discharge process, if an internal periodic blowing air flow state of the material will in most materials ideal.

破拱气垫

I100

性能特点 Performance Characteristics

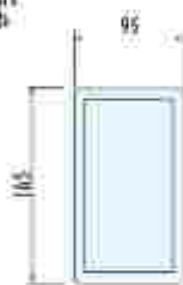
- 工作压力: 0.2bar (2.9PSI)
- 工作温度: -20 ~ +80°C (-4 to 180°F)
- 凸形外形，空气从白色表面射出时扩散范围较大。
- 适用于水泥、石灰及粉末状物料。
- 出气比较柔和，避免了物料可能出现的堵塞、空穴、分离结块等情况。

适用性 Suitability

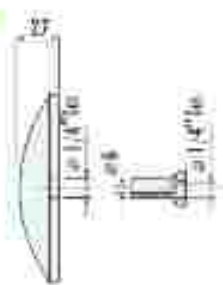
- Working pressure: 0.2 bar (2.9PSI)
- Working temperature: -20 ~ +80 °C (-4 to 180 °F)
- convex shape, the air emitted from the white surface of the larger transmission range.
- Suitable for cement, lime and powdered materials related.
- outlet softer materials to avoid possible bypass, holes, separation agglomeration, etc.



Aeration pads
助流气垫



I100



0.2bar(2.9PSI)
0.12m³/h(0.07cfm)

250g(0.55lb)



TYPE	Operating Pressure 工作压力	Air consumption 空气消耗	Weight 重量
I100	0.2bar(2.9PSI)	0.12m³/h(0.07cfm)	250g
PL20			



1) Segregation

分层

2) Bridging

结拱

2) Rat-Holing

鼠洞

4) Residues

残留



破拱器的工作方式推荐采用间歇式运行，例如采用开启2-3秒，停止10-15秒。不同压力 and 不同工作间歇下的破拱器将会产生截然不同的助流效果。

and under different working intermittently broken arch device will produce different effects of aid flows.

空气消耗:

CFM × 流化器数量 × 总接通时间秒/分 × 1分/60秒 = 要求的总CFM

Flow aids in use

BULK SOLIDS HANDLING EQUIPMENT

FLOW AIDS

破拱装置

Aeration Nozzles-JL25-Series

JL25 系列助流气嘴

JL25破拱气嘴安装简易，特别适合筒仓内无法按装的情况下，从筒仓外箱按装。
JL25 helps the gas nozzle installation simple, especially suitable for the silo can not be installed by the circumstances, from the silo outside the box installation.



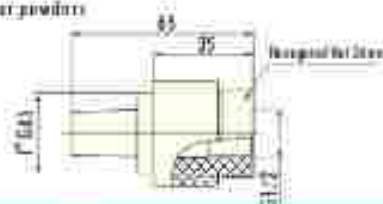
JL 25

性能特点

- 工作压力: 0.2bar(2.9PSI)
- 工作温度: -20 ~ +200°C
- 材质: 碳钢
- 适用于水泥, 石灰和类似粉末

Performance & Suitable Features: Keyhole

- Suitable for cement, lime and similar powders
- Working temperature: -20 to 200 °C (-4 to 456 °F)
- Material: carbon steel
- Suitable for cement, lime and similar powders



Type	Operating Pressure 工作压力	Air consumption 空气消耗	Weight 重量
JL25	0.2bar(2.9PSI)	0.1m ³ /h(0.03cfm)	240g

U025系列助流气嘴 Aeration Nozzles-U025-Series

U025破拱气嘴安装简易，特别适合筒仓内无法按装的情况下，从筒仓外箱按装。
U025 helps the gas nozzle installation simple, especially suitable for the silo can not be installed by the circumstances, from the silo outside the box installation.



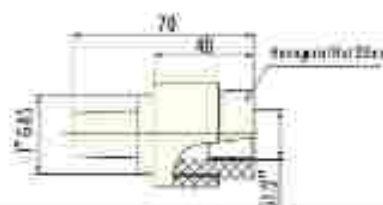
U025

性能特点

- 工作压力: 0.2bar(2.9PSI)
- 工作温度: -20 ~ +100°C
- 材质: 工程塑料
- 适用于水泥, 石灰和类似粉末

Performance & Suitable Features: Keyhole

- Suitable for cement, lime and similar powders
- Working temperature: -20 to 100 °C (-4 to 212 °F)
- Material: engineering plastic
- Suitable for cement, lime and similar powders



Type	Operating Pressure 工作压力	Air consumption 空气消耗	Weight 重量
U025	0.2bar(2.9PSI)	0.05m ³ /h(0.03cfm)	150g

Drawings in mm

For more information, please visit our website.

BULK SOLIDS HANDLING EQUIPMENT

PNEUMATIC VIBRATORS

气动振动器

Rotary Ball Vibrators · S-series S 球形系列振动器

S系列旋转球振动器的频率是通过调节可变入口压力。无需维护。应用于舱和料斗压缩、分离。

The frequency is variable by adjusting the inlet pressure. Rotary ball vibrators "S-type". No maintenance required.

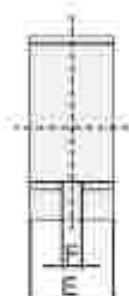
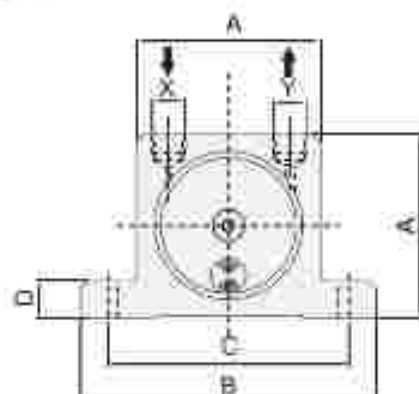
APPLICATIONS: Bins and hoppers, Compacting, Separation.



S



Rotary Ball Vibrators
气动振动器



Lubrication-free
Maintenance-free
Flameproof
-20 ~ +100°C

连接尺寸 CONNECTION SIZE

TYPE	Connection 接口			Flange 法兰			3/4" (20mm) Flange 法兰			A	B	C	D	E	F	G	H
	1/2"			1/2"			1/2"										
	25.4	41.3	50.8	25.4	41.3	50.8	25.4	41.3	50.8								
S-8	25.000	31.000	38.000	13	26	38	63	348	130	50	80	60	12	20	7	10	3.12
S-10	22.000	28.000	34.000	25	47	71	52	150	200								
S-13	15.000	18.500	22.000	30	55	87	68	158	225								
S-18	12.000	17.000	18.000	40	60	112	122	200	280	50	80	60	16	28	8	14	3.28
S-22	10.000	14.500	16.000	50	70	122	130	230	300								
S-28	8.000	12.000	14.000	60	80	150	160	250	350								
S-38	7.000	10.000	12.000	70	90	160	170	270	400	100	150	120	20	30	11	20	1.12
S-50	7.000	10.000	12.000	200	310	400	230	470	670								

Dimensions in mm

BULK SOLIDS HANDLING EQUIPMENT

PNEUMATIC VIBRATORS

气动振动器

Roller Vibrators -OR-series

OR滚轴系列振动器

OR系列滚轴系列振动器的频率是通过滚轴沿钢圈滚动,从而产生离心力。应用于箱和料斗压缩、分流。

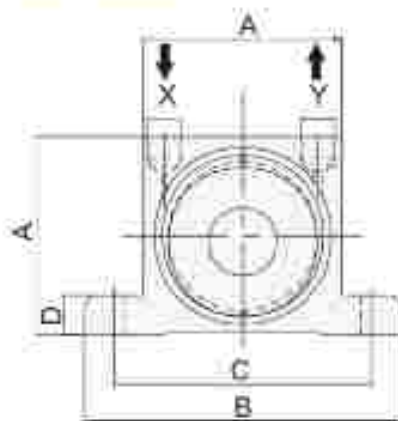
Vibration is generated by a rotor which describes an epicycloidal movement inside a steel race.

OR vibrators generate a very high frequency with low consumption as compared to the force given.



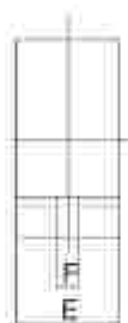
OR

Roller Vibrators
气动滚轴振动器



Roller-type
Roller version

Lubrication-free
Maintenance-free
Flameproof
-20 ~ +180°C



连接尺寸 CONNECTION SIZE

TYPE	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
OR 30	33	1.31	88	3.49	38	1.50	12	0.47	30	1.18	7	0.28	135	5.31	0.375	1.51
OR 45	55	2.16	112	4.41	58	2.28	15	0.59	58	2.32	9	0.35	154	6.06	0.390	1.57
OR 60	88	3.46	128	5.04	104	4.09	18	0.71	40	1.57	9	0.35	154	6.06	0.390	1.57
OR 100	100	3.94	160	6.30	120	4.72	20	0.79	55	2.17	11	0.43	154	6.06	0.390	1.57

TYPE	Minimum Compression Capacity - Minimum S.F.			F.C. 444 S.F.						Maximum Compression Capacity - Maximum S.F.					
	2.5m x 2.5m	4.5m x 4.5m	5.5m x 5.5m	4.5m x 2.5m	4.5m x 3.5m	4.5m x 4.5m	4.5m x 5.5m	4.5m x 6.5m	4.5m x 7.5m	2.5m x 2.5m	4.5m x 4.5m	5.5m x 5.5m	6.5m x 6.5m	7.5m x 7.5m	8.5m x 8.5m
OR 30	21,000	22,000	24,000	100	410	880	1,100	1,250	1,400	28	28	180	6.1	104	4.2
OR 45	18,000	24,000	28,000	220	880	1,300	1,800	2,100	2,400	100	3.5	100	23	200	10.0
OR 60	14,000	18,000	21,000	340	1,100	1,600	2,100	2,600	3,100	120	4.3	250	6.5	275	10.8
OR 100	9,000	9,000	11,000	280	880	1,000	1,200	1,400	1,600	100	4.3	260	10.0	300	11.8

Dimensions in mm

Dimensions in inch are given in parentheses

BULK SOLIDS HANDLING EQUIPMENT

PNEUMATIC VIBRATORS

气动振动器

OT 涡轮型振动器 Rotary Turbine Vibrators OT-series

OT系列振动器由转子在内部不平衡力矩的离心力产生振动。转子由二个高功率，预润滑的匹配有护圈轴承支持。

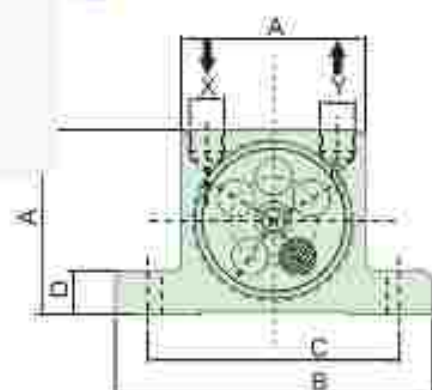
With OT-series Rotary Turbine Vibrators vibration is generated by a turbine fitted with eccentric weights.



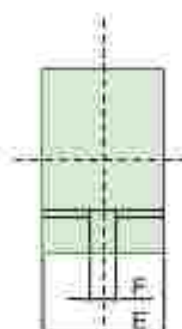
OT



Rotary Turbine Vibrators
气动振动器



OT
turbine-type



Lubrication-free
Maintenance-free
Explosion-proof
Low noise level
0 - +200°C

连接尺寸 CONNECTION SIZE

Model	1/2 inch dia. (12.7mm)			1 inch dia. (25.4mm)			1 1/2 inch dia. (38.1mm)			2 inch dia. (50.8mm)			3 inch dia. (76.2mm)			Weight (kg)	Material
	1/2 inch	1 inch	1 1/2 inch	1/2 inch	1 inch	1 1/2 inch	1/2 inch	1 inch	1 1/2 inch	1/2 inch	1 inch	1 1/2 inch	1/2 inch	1 inch	1 1/2 inch		
OT 2	34.000	36.000	42.000	110	205	230	48	81	110	100	100	100	100	100	100	0.20	SS
OT 10	25.000	34.000	38.000	100	181	207	48	81	110	100	100	100	100	100	100	0.27	SS
OT 15	34.000	36.000	42.000	100	205	230	48	81	110	100	100	100	100	100	100	0.38	SS
OT 16	18.000	20.000	21.000	100	230	254	123	304	280	100	100	100	100	100	100	0.38	SS
OT 20	14.000	16.000	23.000	201	404	238	104	310	402	100	100	100	100	100	100	1.10	SS
OT 25	13.000	16.000	17.000	204	330	308	104	310	402	100	100	100	100	100	100	1.12	SS
OT 30	11.000	12.000	14.000	301	720	551	123	342	340	100	100	100	100	100	100	2.20	SS
OT 35	11.000	11.000	12.000	341	650	550	123	342	340	100	100	100	100	100	100	2.30	SS

Dimensions in mm

BULK SOLIDS HANDLING EQUIPMENT

PNEUMATIC VIBRATORS

气动振动器

GT 涡轮型振动器 Rotary Turbine Vibrators GT-series

GT 系列振动器由转子在内部不平衡力矩的离心力产生振动。转子由二个高功率，预润滑的匹配有护圈轴承支持。

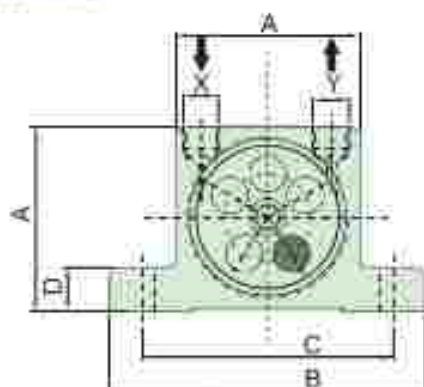
With GT-series Rotary Turbine Vibrators vibration is generated by a turbine fitted with eccentric weights.



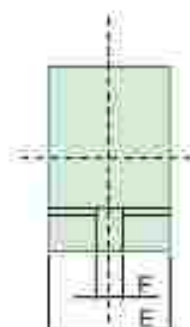
GT



Rotary Turbine Vibrators 气动涡轮振动器



GT
Turbine-type



Lubrication-free
Maintenance-free
Explosion-proof
Low noise level
 $0 - +300^{\circ}\text{C}$

连接尺寸 CONNECTION SIZE

系列 Series	重量 Weight kg			尺寸 Dimensions mm			连接尺寸 Connection Size mm			A			B			C	D	E	F	G	H
	GT 8	GT 10	GT 12	GT 14	GT 16	GT 20	GT 25	GT 30	GT 32	GT 40	GT 50	GT 60	GT 70	GT 80	GT 90	GT 100	GT 120	GT 140	GT 160	GT 180	GT 200
GT 8	24,000	35,000	42,000	110	375	202	45	21	110	80	80	80	12	22	7	1/2	3.25				
GT 10	38,000	55,000	65,000	115	377	202	45	21	110	80	80	80	12	22	7	1/2	3.25				
GT 12	34,000	55,000	65,000	202	343	300	120	30	200	100	100	100	12	22	7	1/2	3.25				
GT 14	18,000	20,000	21,000	104	316	264	122	204	300	100	100	100	12	22	7	1/2	3.25				
GT 20	14,000	15,000	16,000	207	474	525	184	308	422	100	100	100	12	22	7	1/2	3.25				
GT 25	32,200	35,500	37,500	244	338	308	184	308	422	100	100	100	12	22	7	1/2	3.25				
GT 30	11,000	12,500	14,000	307	721	701	322	342	745	100	100	100	20	77	11	3/4	3.25				
GT 32	8,500	10,500	12,000	341	828	769	322	342	745	100	100	100	20	77	11	3/4	3.25				

Dimensions in mm

所有尺寸均以毫米为单位，除非另有说明。

BULK SOLIDS HANDLING EQUIPMENT

Pneumatic piston vibrators

冲击气锤

SK 冲击气锤 Pneumatic piston vibrators SK-series

SK 冲击气锤又名空气冲击锤，其特点是冲击力大，结构简单，使用方便，可有效解决粉体物料粘壁、挂料、堵塞等桥等状况。冲击力大，噪音小，多种型号可供选择。冲击力和动作时间可控制，安装方便，可在粉尘多、粉尘、潮湿等环境中使用。

广泛适用于化肥、化工、食品、医药、农药、玻璃、水泥等行业。全铝结构强度高，冲击式/冲击力大，重量轻，冲击间隔时间可调整。SK percussion hammer is also known as air percussion hammer, which is characterized by large impact force, simple structure and easy to use. It can effectively solve the problem of adhesion wall, hanging material, blockage and bridging of powder materials. Big impact, small noise, various models to choose from. Impact and movement time can be controlled and easy to install. In the explosion-proof use in many dust, humidity and other environment. It is widely used in chemical fertilizer, chemical industry, food, medical treatment, pesticide, glass, cement, etc. All aluminum structure strength is high, shock type, impact force is large, light weight, impact interval can be adjusted.

冲击气锤 Pneumatic piston vibrators

SK

● 工作原理: Working principle:

空气锤锤头内部有一强磁体，在未动作前，磁体锤头紧贴在磁力基板上。当三通电磁阀通入，进气压力大于磁力时，磁体锤头高速脱离基板，向底部冲击。冲击后，三通电磁阀断电，产品内气体释放，磁体锤头回到最初位置，空气锤的冲击力，传递到管道或桶内，使物料能够顺利流动。

There is a strong magnetic magnet inside the air hammer head. Before the action, the magnetic hammer head is pressed against the magnetic base plate. When the three-way solenoid valve is energized, the inlet pressure is greater than the lifting magnetic force, and the magnetic hammer head is separated from the substrate at high speed. Bottom impact. After the shock, the three-way solenoid valve is off, the gas in the product is excluded, and the hammer head is returned by the spring to the initial position. The impact of the air hammer is transmitted to the pipe or barrel well so that the material can flow smoothly.

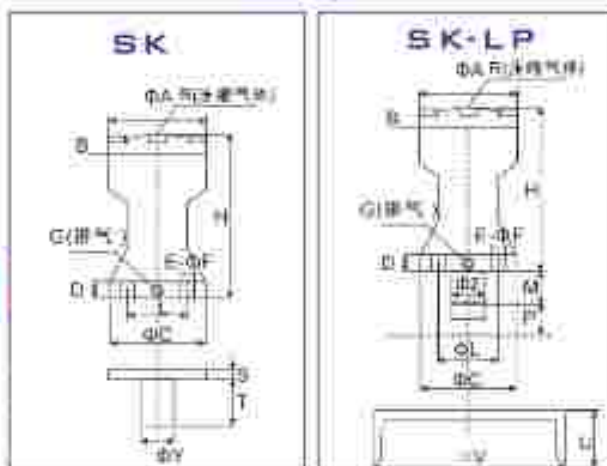


型号含义 How To Order

SK	40	LP
型号 Type	规格 Specifications	安装 Installation
SK	30 40 60	空白: 标准 LP: 加长型 BLANK: Standard EXTENDED Mounting

TYPE	工作压力 (MPa)	耗气量 (L/min)	冲击力 (N)	行程 (mm)	重量 (kg)
SK-30	0.35-0.8	0.028	1.0-1.5	6.0	1.00
SK-40	0.35-0.8	0.082	3.3-5.1	1.00	2.50
SK-60	0.35-0.8	0.228	7.1-10.8	4.00	7.00
SK-80	0.35-0.8	0.465	19.3-29.0	7.00	11.0
SK-100	0.35-0.8	1.012	44.5-67.5	7.00	20.2

piston vibrators 冲击气锤



连接尺寸 CONNECTION SIZE

TYPE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	A1	A2
SK-30	40	15	70	10	4	6	1.6	1.0	65	8	40	124	27.2	80	100	00	30	30										
SK-40	90	20	85	10	4	11	1.6	1.00	70	12	80	156	34.0	75	130	00	30	20										
SK-60	120	30	140	10	4	15	1.4	2.0	130	17	100	164	38.3	80	200	00	40	40	25									
SK-80	130	40	160	15	4	17	1.8	3.00	130	14	110	160	38.3	00	210	00	45	45										
SK-100	170	40	210	20	6	21	2.0	3.00	170	22	140	160	38.3	00	200	00	25	60										

Dimensions in mm

BULK SOLIDS HANDLING EQUIPMENT

Electric Motorvibrators

振动电机

MVE 振动电机 Electric vibrators MVE-series

MVE系列单、三相标准型振动电机作为各类振动机械的通用激振源，该产品可广泛应用于矿山、冶金、煤炭、电力、建筑、化工、铸造、轻工食品等行业。MVE系列单、三相标准型振动电机具有重量轻、体积小、激振力调整方便、绝缘等级和防护等级高等特点。



MVE

性能特点 Performance characteristics

MVE系列振动电机技术参数

额定电压：380V(三相)220V(单相) (也可提供230/400V, 230/460V)

额定电压：12V 24V 220V

绝缘等级：主级H级，接线端F级

工作制：连续(S1)

激振力：单相0~800kg

(也可提供230/400V, 230/460V)

额定频率：50Hz (也可提供60Hz)

防护等级：IP65

激振力调整范围：0~最大

三相0~13000kg

Technical parameters of MVE series vibrating motor

Rated voltage: 380V (three-phase) 220V (single phase) (also available for 230/400V, 230/460V)

Or voltage: 12V 24V 220V

Insulation level: class H, level F

Working system: continuous (S1)

Excitation force: single phase 0~800kg

Rated frequency: 50Hz (also available for 60Hz)

Protection level: IP65

Vibration adjustment range: 0 - maximum

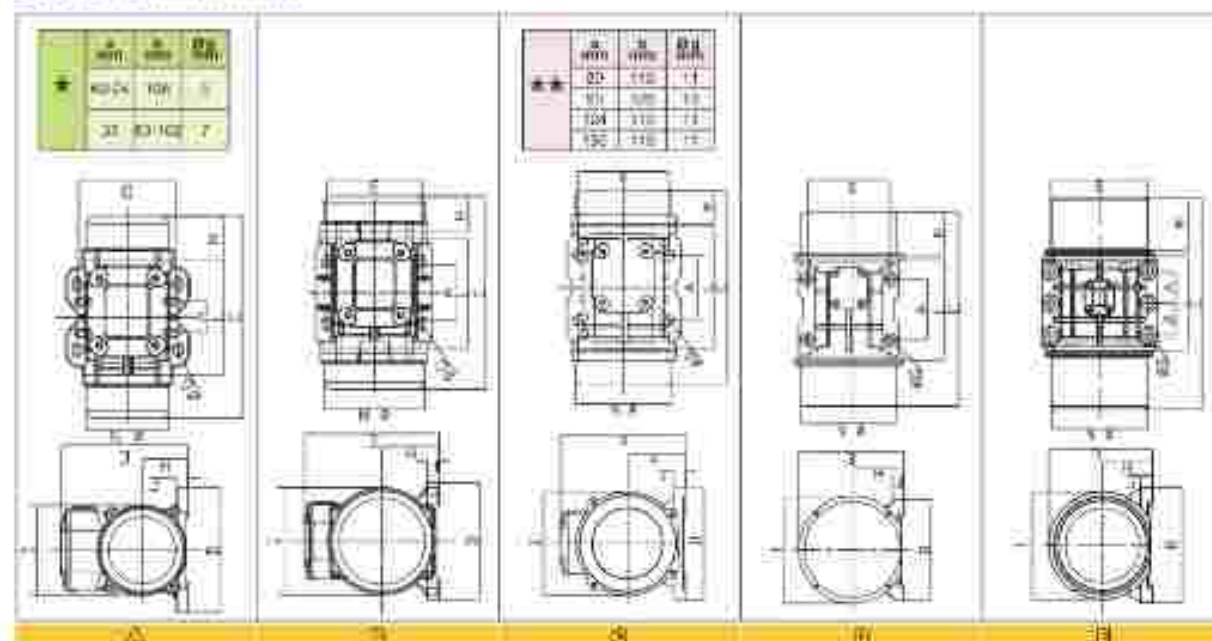
Three phase 0~13000kg



Code 代号

MVE	200	/3	M
Type 型号	Force 激振力 kg	Signal 转速 rpm, 转/分	Voltage 电压
MVE	40-9000	3-3000 15-1500	BLANK: three phase 三相380V M: single phase 单相220V

连接尺寸 CONNECTION SIZE



Dimensions in mm

所有尺寸均以毫米为单位，除非另有说明。

BULK SOLIDS HANDLING EQUIPMENT

Electric Motorvibrators

振动电机

MYE 振动电机

Electric vibrators MVE-series

MVE系列三相振动电机技术参数 (380V/50Hz) Technical data for MVE series three phase vibrators (380V/50Hz)
2极-3000转/分 (2 Poles - 3000rpm)

[illegible]

MVE系列三相振动电机技术参数 (380V/50Hz) Technical data for MVE series three phase vibrators (380V/50Hz)
4极-1500转/分 (4Poles-1500rpm)

Model	Train		Valid		Test		Overall		Metric		A		B		C		D		E		F		G		H		I		J		K		L		M		N		O		P		Q		R		S		T		U		V		W		X		Y		Z		AA		AB		AC		AD		AE		AF		AG		AH		AI		AJ		AK		AL		AM		AN		AO		AP		AQ		AR		AS		AT		AU		AV		AW		AX		AY		AZ		BA		BB		BC		BD		BE		BF		BG		BH		BI		BJ		BK		BL		BM		BN		BO		BP		BQ		BR		BS		BT		BU		BV		BW		BX		BY		BZ		CA		CB		CC		CD		CE		CF		CG		CH		CI		CJ		CK		CL		CM		CN		CO		CP		CQ		CR		CS		CT		CU		CV		CW		CX		CY		CZ		DA		DB		DC		DD		DE		DF		DG		DH		DI		DJ		DK		DL		DM		DN		DO		DP		DQ		DR		DS		DT		DU		DV		DW		DX		DY		DZ		EA		EB		EC		ED		EE		EF		EG		EH		EI		EJ		EK		EL		EM		EN		EO		EP		EQ		ER		ES		ET		EU		EV		EW		EX		EY		EZ		FA		FB		FC		FD		FE		FF		FG		FH		FI		FJ		FK		FL		FM		FN		FO		FP		FQ		FR		FS		FT		FU		FV		FW		FX		FY		FZ		GA		GB		GC		GD		GE		GF		GG		GH		GI		GJ		GK		GL		GM		GN		GO		GP		GQ		GR		GS		GT		GU		GV		GW		GX		GY		GZ		HA		HB		HC		HD		HE		HF		HG		HH		HI		HJ		HK		HL		HM		HN		HO		HP		HQ		HR		HS		HT		HU		HV		HW		HX		HY		HZ		IA		IB		IC		ID		IE		IF		IG		IH		II		IJ		IK		IL		IM		IN		IO		IP		IQ		IR		IS		IT		IU		IV		IW		IX		IY		IZ		JA		JB		JC		JD		JE		JF		JG		JH		JI		JJ		JK		JL		JM		JN		JO		JP		JQ		JR		JS		JT		JU		JV		JW		JX		JY		JZ		KA		KB		KC		KD		KE		KF		KG		KH		KI		KJ		KK		KL		KM		KN		KO		KP		KQ		KR		KS		KT		KU		KV		KW		KX		KY		KZ		LA		LB		LC		LD		LE		LF		LG		LH		LI		LJ		LK		LL		LM		LN		LO		LP		LQ		LR		LS		LT		LU		LV		LW		LX		LY		LZ		MA		MB		MC		MD		ME		MF		MG		MH		MI		MJ		MK		ML		MN		MO		MP		MQ		MR		MS		MT		MU		MV		MW		MX		MY		MZ		NA		NB		NC		ND		NE		NF		NG		NH		NI		NJ		NK		NL		NM		NN		NO		NP		NQ		NR		NS		NT		NU		NV		NW		NX		NY		NZ		OA		OB		OC		OD		OE		OF		OG		OH		OI		OJ		OK		OL		OM		ON		OO		OP		OQ		OR		OS		OT		OU		OV		OW		OX		OY		OZ		PA		PB		PC		PD		PE		PF		PG		PH		PI		PJ		PK		PL		PM		PN		PO		PP		PQ		PR		PS		PT		PU		PV		PW		PX		PY		PZ		QA		QB		QC		QD		QE		QF		QG		QH		QI		QJ		QK		QL		QM		QN		QO		QP		QQ		QR		QS		QT		QU		QV		QW		QX		QY		QZ		RA		RB		RC		RD		RE		RF		RG		RH		RI		RJ		RK		RL		RM		RN		RO		RP		RQ		RR		RS		RT		RU		RV		RW		RX		RY		RZ		SA		SB		SC		SD		SE		SF		SG		SH		SI		SJ		SK		SL		SM		SN		SO		SP		SQ		SR		SS		ST		SU		SV		SW		SX		SY		SZ		TA		TB		TC		TD		TE		TF		TG		TH		TI		TJ		TK		TL		TM		TN		TO		TP		TQ		TR		TS		TT		TU		TV		TW		TX		TY		TZ		UA		UB		UC		UD		UE		UF		UG		UH		UI		UJ		UK		UL		UM		UN		UO		UP		UQ		UR		US		UT		UU		UV		UW		UX		UY		UZ		VA		VB		VC		VD		VE		VF		VG		VH		VI		VJ		VK		VL		VM		VN		VO		VP		VQ		VR		VS		VT		VU		VV		VW		VX		VY		VZ		WA		WB		WC		WD		WE		WF		WG		WH		WI		WJ		WK		WL		WM		WN		WO		WP		WQ		WR		WS		WT		WU		WV		WW		WX		WY		WZ		XA		XB		XC		XD		XE		XF		XG		XH		XI		XJ		XK		XL		XM		XN		XO		XP		XQ		XR		XS		XT		XU		XV		XW		XX		XY		XZ		YA		YB		YC		YD		YE		YF		YG		YH		YI		YJ		YK		YL		YM		YN		YO		YP		YQ		YR		YS		YT		YU		YV		YW		YX		YY		YZ		ZA		ZB		ZC		ZD		ZE		ZF		ZG		ZH		ZI		ZJ		ZK		ZL		ZM		ZN		ZO		ZP		ZQ		ZR		ZS		ZT		ZU		ZV		ZW		ZX		ZY		ZZ	
	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time	Size	Time																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																

MVE-M系列二相振动电机技术参数 (220V/50Hz) Technical data for MVE-M series single phase vibrators (220V/50Hz)
2级-3000转/分 (2Poles-3000rpm)

[illegible]

Microbial agents The main

BULK SOLIDS HANDLING EQUIPMENT

ELECTROPNEUMATIC VALVE

气动换向阀

V45&VM 520系列板式电磁换向阀 V45&VM 520 Series Solenoid Valve

V45型电磁气动滑阀适合于控制GT&AT型气动执行机构 0-90° 角度的开启和关闭

Type V45 pneumatic electromagnetic valve suitable for control of GT&AT type pneumatic actuator 0-90° angle opening and closing.



V45&VM



特性技术参数

- 结构: 电磁换或手动
- 材质: 铝合金
- 换向时间: 大约10毫秒
- 额定流量: 0.05-1.00 m³/min
- 环境温度: -20℃ ~ +55℃
- 介质压力: 1.5-10 bar (2.9-14.7 PSI)
- 介质: 经润滑的或未经润滑的压缩空气, 而且干燥露点为-20℃

Technical Specification/Parameters

- Operation: Solenoid or manual
- Valve body: Aluminum
- Switching time: 40 ms (max)
- The rated flow: 0.05-1.00 m³/min
- Temperature: -20℃ ~ +55℃
- Operating pressure: 1.5-10 bar (2.9-14.7 PSI)
- Medium: 40 bar compressed air, dry and dew point to -20℃

气动电磁换向阀参数 COUPLING SELECTION

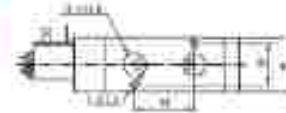
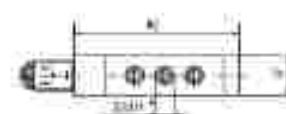
气动电磁阀	接口 (Inlet)	重量 (Weight)	适用范围 (Coupling Type)
V45C2-10	1.5-10	240	标准电磁换向, 电磁铁操作, 需内部气压驱动。
V45C2-10-0001	1.5-10	240	本安型电磁换向, 电磁铁操作, 需内部气压驱动。
V45K2-11	1.5-10	200	直拉电磁换向。
V45K2-11	2.5-10	260	带拉电磁换向, 需机械弹簧复位。
VM520-020	1.5-10	200	双控电磁换向。
VM520-020	2.5-10	220	带拉电磁换向, 需机械弹簧复位。

Electropneumatic
二位五通电磁换向阀

V45K2-15 1/4" **V45**
Monostable 单电控

V45K2-11 1/4" **V45**
Bistable 双电控

For GT-AT

V45K2-15

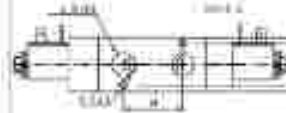
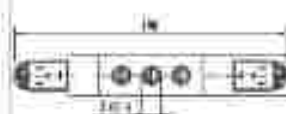
V45K2-11

Electropneumatic
二位五通电磁换向阀

VM 520-025 6 1/4" **VM 520**
Monostable 单电控

VM 520-020 6 1/4" **VM 520**
Bistable 双电控

For GT32-83

VM 520-025

VM 520-020

Dimensions in mm

BULK SOLIDS HANDLING EQUIPMENT

BUTTERFLY VALVE

蝶阀

Pneumatic Water Valve V2FS Series V2FS系列气动水称蝶阀

V2FS系列蝶阀主要用于搅拌站水称计量水箱开启和关闭。

V2FS series butterfly valve is used to control the opening or closing of water, liquid, gas pipeline.

水称蝶阀 Butterfly valve

产品特点

- 工作温度: $-20 \sim +80^{\circ}\text{C}$
- 环境温度: $-20 \sim +70^{\circ}\text{C}$

可选附件

- 位置信号显示装置: MOC23
- 电磁阀: V3V33&V3V30
- 电磁阀: 24-48 VDC/220 V AC & 50 Hz AC

OPERATING CONDITIONS

- Temperature (media range): $-20^{\circ}\text{C} \sim 80^{\circ}\text{C}$
- Ambient temperature (air rating): $-20^{\circ}\text{C} \sim 70^{\circ}\text{C}$

OPTIONS & ACCESSORIES

- Position sensor: MOC23
- Solenoid valve: V3V33&V3V30
- Solenoid (V): 24-48 VDC/220 V AC & 50 Hz AC

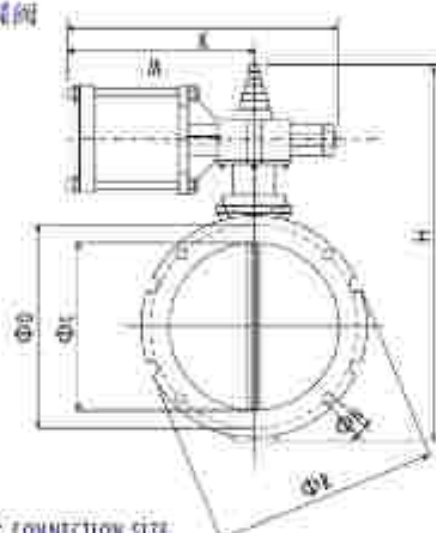
型号含义 How To Order

V2FS	150	03	1	00	0	220VAC
双法兰蝶阀	阀门口径	CB-铸钢阀板	水、混合橡胶 1:1白橡胶	信号反馈器	电磁阀线圈	24-110-220V DC/AC

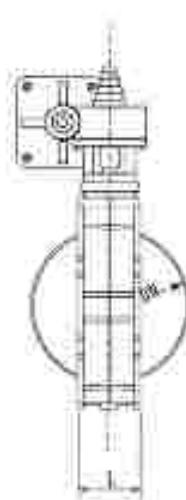
例如: 选购DN150水称蝶阀, V2FS150GBK, 如需选配气动执行器, 220VAC电磁阀则型号为: V2FS150GBK-WP/24VDC。

Butterfly valve

水称蝶阀



V2FS-GB1



连接尺寸 CONNECTION SIZE

Part P 型号	Body Material 阀体材料	Seat packing Material 密封材料	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
V2FS100GB1	Vendular cast iron 铸钢	I-EPDM	260	95	180	4-Ø14	220	380	84	175	4"																	
V2FS150GB1			260	150	200	4-Ø14	225	390	84	175	6"																	
V2FS200GB1			280	200	250	4-Ø14	275	440	84	175	8"																	
V2FS250GB1			280	230	300	4-Ø14	325	490	84	175	10"																	
V2FS300GB1			280	300	350	4-Ø14	375	540	84	175	12"																	

Dimensions in mm

BULK SOLIDS HANDLING EQUIPMENT

BUTTERFLY VALVE

蝶阀

GTD Series Pneumatic Water Valve GTD系列气动水阀

GTD系列蝶阀用于控制水液气管路介质的开启或关闭。

GTD series butterfly valve is used to control the opening or closing of water, liquid, gas pipeline.



性能特点

- 管路压力: $<10\text{bar}$
- 工作温度: $-20 \sim +120^{\circ}\text{C}$
- 环境温度: $-20 \sim +70^{\circ}\text{C}$

OPERATING CONDITIONS

- Customer service pressure: max. 10 bar
- Temperature inside vessel: -20 to $+120^{\circ}\text{C}$
- Ambient temperature inside casing: -20 to $+70^{\circ}\text{C}$

选项与附件

- 位置信号显示装置: 4N210
- 电动蝶阀: VMS20 VMS21-15
- 电缆线型: 34-40-110-2700 DC & 50 Hz AC

OPTIONS & ACCESSORIES

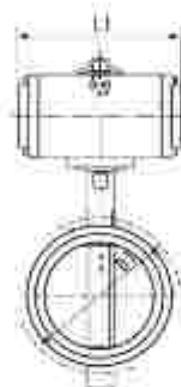
- Switch box: 4N210
- Electric valve: VMS20 VMS21-15
- Cable type: 34-40-110-2700 DC & 50 Hz AC



型号含义 How To Order

GTD	6	100	W	F	24-110-2700 DC/AC
系列	Valve material 阀体材质	Valve size 阀体口径	Switch box 执行器	Valve size 阀体口径	Valve size 阀体口径
蝶阀 Butterfly valve	N=100-Pneumatic	0400-200	W	F	24-110-2700 DC/AC

Butterfly valve
蝶阀



GTD



Air pressure: 4-8bar

Fluid pressure: 0.1-10bar

连接尺寸 CONNECTION SIZE

Part no. 型号	Valve Material 阀体材质	Seal packing Material	DN	25	4	6	1	1/2	2	3/4
GTD6-40	Yondular cast iron 球铁	N=EPDM 丁腈橡胶	2-023	110	270	60	45	130	59	1-1/2"
GTD6-50			2-023	120	270	80	45	140	70	2"
GTD6-65			2-024.5	136	285	88	48	140	70	2-1/2"
GTD6-80			2-018	160	290	95	50	104	91	3"
GTD6-100			2-024.5	185	320	115	56	166	91	4"
GTD6-125			2-023	215	351	130	58	254	120	5"
GTD6-150			2-025	238	380	140	59	254	120	6"
GTD6-200			2-023	295	435	175	64	296	137	8"
GTD6-250			4-024	357	510	200	70	384	173	10"
GTD6-300			4-024	407	600	240	78	501	208	12"
GTD6-350	Stainless Steel 不锈钢	B=EPDM 乙丙橡胶	4-030	467	655	265	78	640	201	14"
GTD6-400			4-030	515	720	300	87	837	270	16"

注: 材料符合或超过标准GB151.1-2000, GB/T151.1-2000标准 (1.0MPa)

Dimensions in mm

BULK SOLIDS HANDLING EQUIPMENT

THREADED BALL VALVE

螺纹球阀

Threaded Ball Valve GTQ61 Series GTQ61系列二通螺纹球阀

GTQ61系列球阀用于控制水液气等介质质的开启或关闭。

GTQ61 series ball valve is used to control the opening or closing of water, liquid, gas pipeline.



性能特性

- 控制压力: $\leq 16\text{bar}$ (232PSI)
- 适用介质: 水、油、气 (H₂O, G)
- 工作温度: $-20 \sim +120^\circ\text{C}$
- 环境湿度: $-30 \sim +20\%$

选项配置

- 控制形式: 气动或电动 (24VDC, 240VAC, 110VAC)
- 位置信号: 4PT11
- 12电源: VVS20, VVS21
- 电磁阀: 24-48, 110-220V AC & 50/60 Hz

OPERATING CONDITION

- Control static pressure: max. 16 bar
- Suitable the medium: Water, oil, gas (H₂O, G)
- Temperature: inside vessel: $-20 \sim +120^\circ\text{C}$
- Ambient temperature inside vessel: $-20 \sim +20^\circ\text{C}$

OPTION & ACCESSORY

- Control mode: pneumatic or electric (24VDC, 240VAC, 110VAC)
- Switch box: 4PT11
- Signal cable: VVS20, VVS21
- Solenoid Coil: 24-48, 110-220V AC & 50/60 Hz



型号含义 How To Order

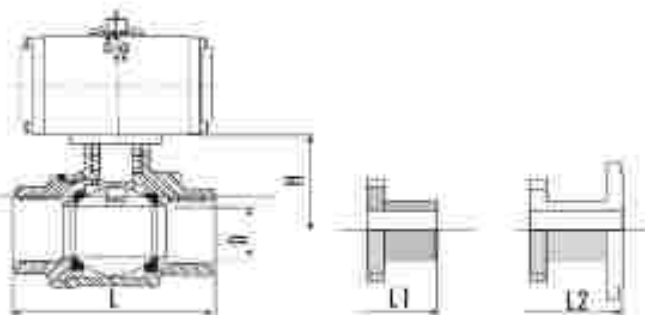
GTQ	6	1	25	F	W	F	220VAC
TYPE 型号	Body material 球体材质	Screw thread 连接形式	Valve size 口径 DN	Valve body 口径 DN	Switch box 信号盒	Solenoid valve 电磁阀	Voltage 电压
气动 Ball valve	CF-15 Stainless 304 stainless	1/2" NPT 1/2" NPT	DN10-100	R= SUS316 P= SUS304	W	F	24-48 VDC 220V AC

例如: 选购DN25气动不锈钢螺纹球阀, Q61-25PNF, 如需要加配DC24V电磁阀则型号为: Q6125PNF/24VDC.

THREADED BALL VALVE 螺纹球阀



Air pressure: 4-6bar
Fluid pressure: 0.1-16bar



连接尺寸 CONNECTION SIZE

Part No. 型号	Material 阀体材质	Sealing material 密封材料	DN	NPT	D	L	L1	L1	L2
GTQ61-10	Stainless Steel 不锈钢	F=PTFE 聚四氟乙烯	10	3/8"	12.7	42	75	70	
GTQ61-15			15	1/2"	15	43	75	75	120
GTQ61-20			20	3/4"	20	49	80	90	150
GTQ61-25			25	1"	25	58.5	90	100	160
GTQ61-32			32	1 1/4"	32	63	110	110	180
GTQ61-40			40	1 1/2"	38	70	120	125	200
GTQ61-50			50	2"	50	78	140	150	230
GTQ61-65			65	2 1/2"	65	100	185	190	290

注: 一片式球阀连接形式有对焊(W)承插焊(W)并符合国际标准的支架和锁定装置。

One-piece ball valve connection form has the butt welding (BW)承插焊 (BW) in addition (insert weld) (IW), and may have the international standard (IS).

Drawings in mm

Dimensions in mm

BULK SOLIDS HANDLING EQUIPMENT

THREADED BALL VALVE

螺纹球阀

Threaded Ball Valve Q611 Series Q611 系列 螺纹球阀

Q11F系列球阀用于控制水液气管路介质的开启或关闭。

Q11F series ball valve is used to control the opening or closing of water, liquid, gas pipeline.



技术参数

- 公称压力: 1.6MPa (20MPa)
- 适用介质: 水、油、气 (M.B.G.)
- 工作温度: -20 ~ +120°C
- 环境温度: -20 ~ +70°C

选型条件

- 控制形式: 气动或电动 (150C/220V/380VAC)
- 位置信号显示装置: 4P1710
- 5/2电磁阀: 4W120 V4X12-11
- 电磁线圈: 24-48-110-220V AC/50/60 Hz

OPERATING CONDITIONS

- Maximum system pressure: max. 16 bar
- It controls the medium: Water, oil, gas (M.B.G.)
- Temperature: Inside: -20 to 120°C
- Ambient temperature: -20 to 70°C

OPTIONS & ACCESSORIES

- Control mode: pneumatic or electric (24VDC/110VAC/380VAC)
- Switch box: 4P1710
- Solenoid valve: 4W120 V4X12-11
- Solenoid coils: 24-48-110-220V AC/50/60 Hz



型号含义 How To Order

Q	6	11	F	16	F	25	W	F	220VAC
型号	公称压力	连接形式	密封材料	压力等级	阀体材料	阀体口径	开关形式	电磁阀型号	电磁阀电压
球阀	1.6MPa	11=螺纹式	F=PTFE	16=1.6MPa	R=SS316 P=SS304	DN10-100	W	F	24-48-110-220V AC

例如: 选购DN25气动不锈钢球阀: Q611F-16P-DN25, 如需加配DC24V电磁阀则型号为: Q611F-16P-25WF/24VDC。

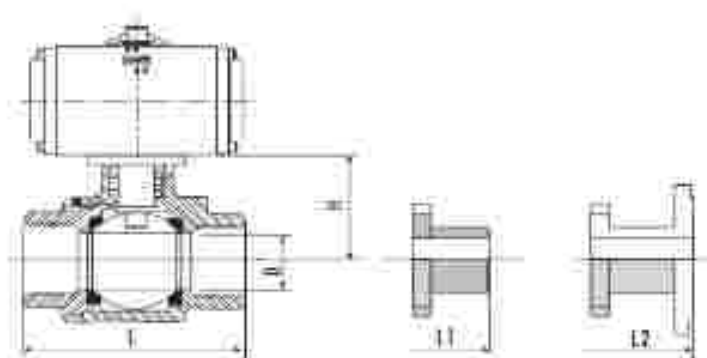
THREADED BALL VALVE

螺纹球阀



Air pressure: 4-8bar

Fluid pressure: 0.1-1.6MPa



连接尺寸 CONNECTION SIZE

Part # 型号	Material 材质	Seal packing Material	DN	HP1	II	III	I	L1	L2
Q611F-10	Stainless Steel 不锈钢	F=PTFE 聚四氟乙烯	10	3/8"	12.7	42	75	70	
Q611F-15			15	1/2"	15	42	75	75	130
Q611F-20			20	3/4"	20	49	80	80	150
Q611F-25			25	1"	25	58.5	90	100	160
Q611F-32			32	1 1/8"	32	63	110	110	180
Q611F-40			40	1 1/2"	38	70	120	125	200
Q611F-50			50	2"	50	78	140	150	230
Q611F-65			65	2 1/2"	65	100	185	190	290
Q611F-80			80	3"	80	110	205	220	310
Q611F-100			100	4"	100	140	240	270	350

Dimensions in mm

BULK SOLIDS HANDLING EQUIPMENT

THREADED BALL VALVE

三通螺纹球阀

Ball Valve D14 Series

Q6/914系列三通螺纹球阀

Q14/S 系列三通球阀用于控制水/气/油管路介质的分流、合流，及流向切换。

Q14/S series three-way ball valve is used to control the flow of water, liquid, gas pipeline, flow and flow.



性能特性

- 控制压力: $\leq 16\text{bar}$ (23PSI)
- 适用介质: 水、油、气 (W, O, G)
- 工作温度: $-20 \sim +100^\circ\text{C}$
- 环境湿度: $-30 \sim +20\%$

可选配件

- 控制形式: 气动或电动 (24VDC, 220VAC, 110VAC)
- 位置信号: 4-20mA, 0-5V, 1-5V
- 1/2电磁阀: VMS20, VMS21, VMS22, VMS23
- 电磁阀: 24-48V, 110-220V AC & 50/60 Hz

OPERATING CONDITIONS

- Control pressure: max. 16 bar
- Suitable for medium: Water, oil, gas (W, O, G)
- Temperature: inside vessel: $-20 \sim +100^\circ\text{C}$
- Ambient temperature inside vessel: $-20 \sim +20^\circ\text{C}$

OPTIONS & ACCESSORIES

- Control mode: pneumatic or electric (24VDC, 220VAC, 110VAC)
- Switch box: 200214
- Solenoid valve: VMS20, VMS21, VMS22, VMS23
- Solenoid Coil: 24-48V, 110-220V AC & 50/60 Hz



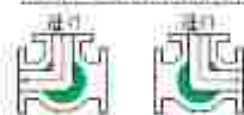
型号含义 How To Order

Q	14	14	14	14	14	25	W	1	220VAC
TYPE	Order method	Size/thread	Valve	Pressure	Valve body	Valve size	Switch box	Mounting	Voltage
球阀	气动/电动	1/2, 3/4, 1, 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10, 15, 20, 25, 32, 40, 50	三通	16	1/2, 3/4, 1, 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10, 15, 20, 25, 32, 40, 50	DN10-100	W	1	24-48V DC, 110-220V AC

流向示意图

L-shaped Passage

1. 球阀 L 型流向示意图



PNEUMATIC BALL VALVE

气动球阀

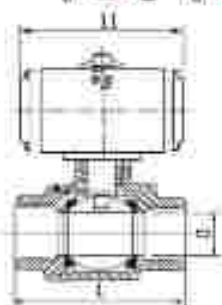
T-shaped Passage

1. 球阀 T 型流向示意图

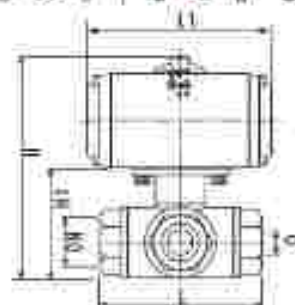


Air pressure: 0.5-0.8bar

Fluid pressure: 0.1-16bar



Q6/914/S



连接尺寸 CONNECTION SIZE

Part No.	Material	Seal packing	DN	RP	D	H	W	L	L1	L2
Q614/SF-10	Stainless Steel 不锈钢	FPM PTFE 聚四氟乙烯	10	1/8"	11	16.5	67	80	130	59
Q614/SF-15			15	1/4"	11	16.5	67	80	130	59
Q614/SF-20			20	1/4"	15	18.8	73	88	140	70
Q614/SF-25			25	1"	20	20.5	94	108	140	70
Q614/SF-32			32	1-1/4"	25	21.5	104	124	140	70
Q614/SF-40			40	1-1/2"	32	24.5	117	135	166	91
Q614/SF-50			50	1"	40	26.0	132	164	166	91

注: 二片式球阀连接形式有对焊(BW)承插焊(SW)并符合国际标准的支架和锁定装置。

Note: Two piece of type ball valve connection form has the butt welding (BW) to socket (SW) in addition (intern. weld) (SW), and may have the international standard for support and the locking device.

Dimensions in mm

BULK SOLIDS HANDLING EQUIPMENT

FLANGED BALL VALVE

法兰球阀

Flanged Ball Valve Q41 Series Q6/9 41 法兰球阀

Q41F系列球阀用于控制水液气管路介质的开启或关闭。

Q41F series ball valve is used to control the opening or closing of water, liquid, gas pipeline.



主要特性

- 管路压力: <1.6MPa (230PSI)
- 适用介质: 水、油、气 (M.B.G.)
- 工作温度: -29 ~ +185°C
- 环境温度: -29 ~ +70°C

可选附件

- 控制形式: 气动或电动 (110V/220V/380VAC)
- 位置信号显示装置: 4P1710
- 5/3电磁阀: 4W120 V41X2-11
- 电液装置: 24-48-110-220V DCA 10MPa AC

OPERATING CONDITIONS

- Maximum system pressure: max. 1.6 MPa
- It controls the medium: Water, oil, gas (M.B.G.)
- Temperature: Inside valve: -29 to 185°C
- Ambient temperature: max. 70°C

OPTIONS & ACCESSORIES

- Control mode: pneumatic or electric (110V/220V/380VAC)
- Switch box: 4P1710
- Solenoid valve: V4120 V41X2-11
- Solenoid valve: 24-48-110-220V DCA 10 MPa AC



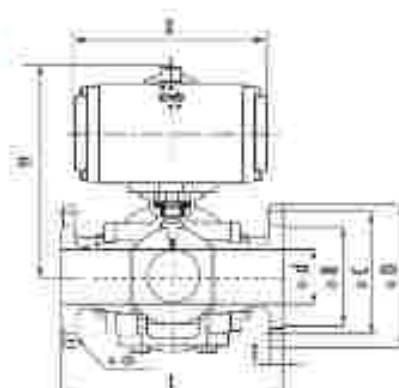
型号含义 How To Order

Q	6	41	F	16	P	25	W	F	220VAC
球阀	球阀形式	法兰形式	密封材料	压力	阀体材料	口径	开关形式	阀体材料	电压
Ball valve	6=1/2" (40mm) 9=2" (50mm)	41=Flanged	F=PTFE	16=1.6MPa	C=WCB P=304SS304	DN10-100	W	F	24-48-110 220V AC/DC

Flanged ball valve 法兰球阀

Air pressure: 4-8bar
fluid pressure: 0.1-1.6MPa

Q 41



连接尺寸 CONNECTION SIZE

Port # 型号	C	△B	△C	△D	T	W-△H	H	X
Q641F-15	120	55	65	45	14	4-14	83	135
Q641F-20	140	75	75	55	14	4-14	94	135
Q641F-25	150	115	85	65	14	4-14	105	170
Q641F-32	165	135	100	78	16	4-16	115	170
Q641F-40	180	145	110	85	16	4-16	125	200
Q641F-50	200	160	125	100	16	4-16	140	200
Q641F-63	220	180	145	120	18	4-18	175	280
Q641F-80	250	195	160	135	20	6-18	181	280
Q641F-100	280	215	180	155	20	6-18	202	400
Q641F-125	320	245	210	180	22	6-18	240	500
Q641F-150	360	260	240	210	24	8-22	310	600
Q641F-200	460	325	295	265	26	1X-22	350	1100

Dimensions in mm

BULK SOLIDS HANDLING EQUIPMENT

ACTUATORS

执行器

Electric Actuator ULLI Series

ULLI系列电动执行器

ULLI型电动执行器适合于控制蝶阀，球阀以及双向分流阀的开启和关闭

ULLI electric actuator adapted to control butterfly valves, ball valves and two-way diverter valve open and closed.

电动执行器 Electric Actuator

产品特点

- 控制类型：智能型、比例式、开关式，各种信号输出型
- 控制电压：220VAC、230VAC、24VAC、24VDC
- 控制速度：全行程时间5秒、10秒、15秒、30秒、60秒等（可指定）
- 环境温度：-10 ~ +60℃
- 防护等级：IP68

OPTIONAL FEATURES

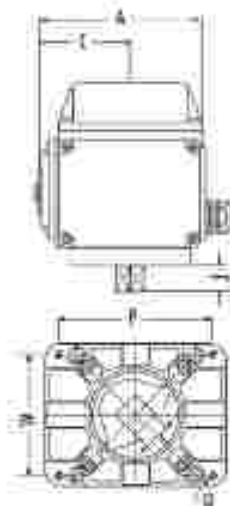
- Control type: intelligent, proportional, switch type, various signal output type
- Control voltage: 220VAC, 230VAC, 24VAC, 24VDC
- Control speed: full travel time 5 seconds, 10 seconds, 15 seconds, 30 seconds, 60 seconds, etc. (to be specified)
- Ambient temperature: -10 ~ +60℃
- Protection: IP68



型号含义 How To Order

TYPE 型号	Torque 扭矩	Control Type 控制形式	Mount 安装形式	Voltage 电压	Explosion 防爆形式
电动执行器 Electric Actuator	25~250Nm	—标准型 standard S—位置反馈信号 Position control signal P—比例式反馈信号 Proportional control signal I—智能调节型 Intelligent modulation	无—标准四方头 Z—法兰连接 W—法兰连接	220VAC 230VAC 24VDC	—非防爆型 EX—防爆 Exd IIC T4

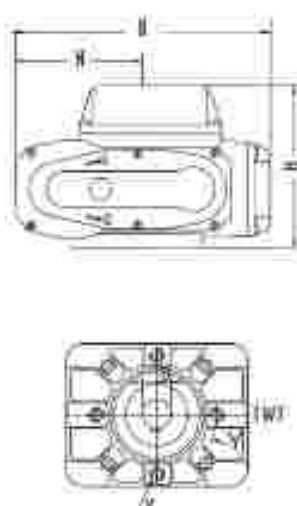
例如：选购250Nm电动执行器无源信号反馈电压220VAC: ulli-25S-220V



标准型
方型非凸地系列



P型连接免支架型
ISO5211凸地系列



W型连接免支架型
TWT凸地非凸地系列

TYPE	Stroke 行程	Stroke Time 行程时间	Motor Power 电动机功率	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	Weight 重量
ULLI-5	50mm	30SEC	20w/10w	95	155	56	12.8	11	12	3	113	12	4-M6	4-M6	66	68	4-M8	F05/F07	60	57					2.6Kg	
ULLI-10	100mm	30SEC	80w/23w	115	208	63	15.8	14	15	5	122	15	4-M8	4-M10	98	82	4-M8	F07/F10	70	75					3.7Kg	
ULLI-16	160mm	30SEC	80w/23w	115	208	63	19.5	14	15	5	122	15	4-M8	4-M10	98	82	4-M8	F07/F10	70	75					3.7Kg	
ULLI-25	250mm	45SEC	100w/30w	153	256	90	23.2	17	23	8	146	22	4-M10	4-M12	123	118	4-M10	F10/F12	84	89					3.7Kg	
ULLI-50	500mm	30SEC	300w/90w	153	256	90	26.5	22	23	8	146	22	4-M10	4-M12	123	118	4-M10	F10/F12	84	89					8.0Kg	
ULLI-100	1000mm	30SEC	300w/90w	156	280	95		26	30		158	26	4-M12		128	126	4-M12	F14	118						12Kg	
ULLI-200	2000mm	70SEC	300w/90w	156	280	95		26	30		158	26	4-M12		128	126	4-M12	F14	118						12Kg	

Dimensions in mm

Unit: mm (inch) or mm (inch) or mm (inch)

BULK SOLIDS HANDLING EQUIPMENT

ACTUATORS

执行器

Pneumatic Actuators AT Series AT系列气动执行器

AT型气动执行器适合于控制蝶阀、球阀以及双向分流阀的开启和关闭
AT pneumatic actuator adapted to control butterfly valves, ball valves and two-way diverter valve open and closed



概述特点

- 使用介质：干燥清洁不含腐蚀性的气体
- 转角角度：90°±1°
- 使用温度：-10~+60℃
- 工作形式：双作用，单作用（弹簧复位）

选装及附件 Options & Accessories

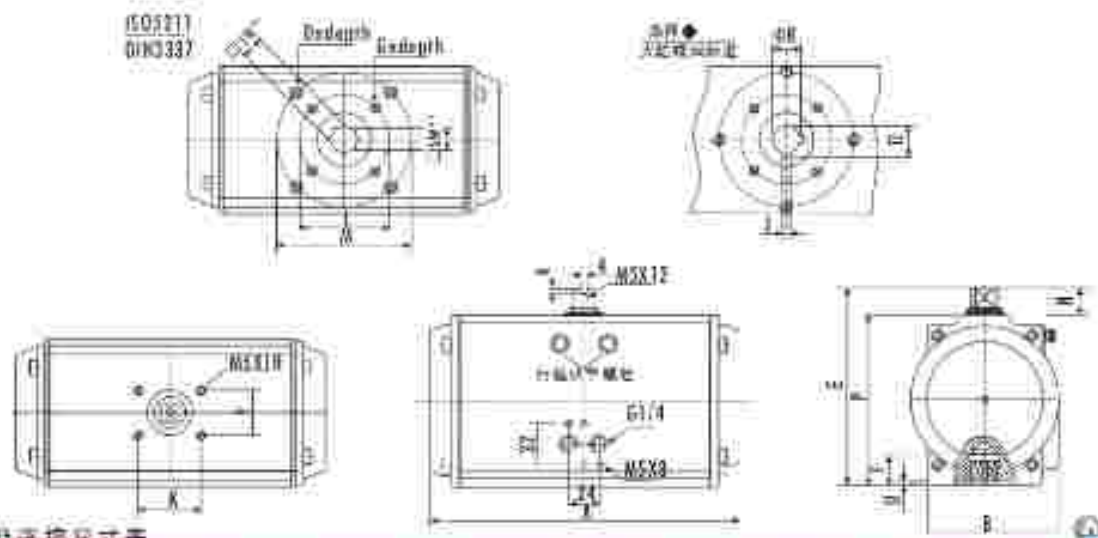
- 位置信号显示装置 Switch box: SPL 115
- 5V电磁阀 Solenoid valve: 4M11E
- 电缆线圈 Solenoid Cable: 14-40-116-220V AC & 24V DC



型号含义 How To Order

AT	177	18A	95	
Type 型号	Body size 缸体尺寸	Drive form 驱动形式	Spring country 弹簧国家	Shift 缸头形式
AT	22-275	DA=双作用 Double SR=单作用 Single	05-12 (双用单作用)	无+ □ Q= □ W= □

外型及连接尺寸图



外型及连接尺寸表

Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
AT330A/SR	110	45	66X10	65	14		80			104±0.45	70	45														
AT370A/SR	140	71	66X10	92	15	MS38	3-80	103±0.36	105±0.50	70	72	14.7	±0.23													
AT410A/SR	190	80	66X12	104	15	66X10	5-80	107±0.70	20	88	14.2	±0.23														
AT750A/SR	207	91	66X12	120	17	66X10	5-80	105±0.50	107±0.70	20	100	18.4	±0.23													
AT810A/SR	213	99	66X12	129	17	66X10	5-80	105±0.50	107±0.70	20	109	18.4	±0.55													
AT920A/SR	230	111	66X12	137	25	66X10	5-80	105±0.50	107±0.70	20	117	21.6	±0.19													
AT1050A/SR	267	121	W10X16	153	25	66X12	5-80	107±0.70	110±1.02	20	132	21.6	±0.19													
AT1250A/SR	340	134	W10X16	175	25	66X12	5-80	107±0.70	110±1.02	20	155	24.0	±0.23													
AT1400A/SR	414	151	W12X20	192	30	W10X16	8-130	107±0.70	110±1.02	30	177	32.1	±0.84													
AT1600A/SR	476	175	W12X20	217	30	W10X16	8-130	110±1.02	112±1.25	30	197	32.1	±0.84													
AT1900A/SR	515	204	W16X24	240	34		8-130		114±1.40	30	230	32.1	±0.84													
AT2100A/SR	580	228	W16X24	295	38		8-130		114±1.40	30	257	35.3	±1.18													
AT2400A/SR	654	240	W20X26	320	52		10-130		116±1.65	30	290	37.4	±0.94													
AT2700A/SR	725	294	W20X26	330	52		12-130		116±1.65	30	320	43.3	±1.53													

Dimensions in mm

所有尺寸均以 mm 为单位

BULK SOLIDS HANDLING EQUIPMENT

SIGNALLING SYSTEMS

位置信号显示装置

Switch Box-APL-Series APL 机械式限位开关/反馈阀

APL限位开关盒适合于CP型执行机构；AE型执行机构开启和关闭输出信号的反馈

APL signal switch box suitable actuator in type CP, opening and closing of the output signal of the feedback AE actuator

信号开关
Switch box

APL



- ① 坚固漂亮的外观，IP67的防护性能。
Firm and beautiful appearance, the shelter performance of IP67
- ② 独特设计，操作简单，不用任何工具就可以设置开关。
Design uniquely, easy to operate, any tool can put up the switch if it is unnecessary
- ③ 带有防松螺栓，打开产品时不用担心螺栓脱落。
Defend taking off the bolt, needsn't afraid the bolt comes off
- ④ 该产品即符合美国标准又符合欧洲标准。
The products accord with the European standard as well as accord with United States Standard

APL -	2	10	N
Enclosure <			Bolt on Position Indicator
2 浇铸型			
3 防水型			
4 防爆型(Exd 11d T0)			
5 防爆型(Exd 11d T6)			
Switch type <			
机械开关			
10 2-SPDT			
11 3-SPDT			
12 4-SPDT			
13 2-SPDT			
14 2-SPDT			
15			
接近开关			
20 P&F NJ2-V3-N			
21 Autonics ps17-SDnu			
22 P&F NJ4-12GM-N			
23 NBB2-V3			
Read type Proximity Sensor			
30 一般型			
31 高温型(Up to+100℃)			

型号	APL-20系列		APL-4N系列		APL-8N系列	
	标准	选项	标准	选项	标准	选项
结构形式	整体、IP67		IP67 结构 Exd IIC T0 to FM 500/4/500/10		IP67 结构 Exd IIC T0 to FM 500/4/500/10	
温度范围	-20℃~85℃					
15% 15%	2X1/2NPT	PT1/2, PF1/2, M20, PG10.5, 2-Annexes	2X1/2NPT	PT1/2, PF1/2	2X1/2NPT	PT1/2, PF1/2
反馈端子	6	9~24	6	9~24	8	9~24
反馈信号	无-有 开-闭 无-有	0~10V 开-闭 无-有	0~10V 开-闭 无-有	0~10V 开-闭 无-有	0~10V 开-闭 无-有	0~10V 开-闭 无-有
反馈类型	机械式、非接触式、磁性开关					
反馈形式	NPN/PTN, 0-10V, 0-10k, 0-10k, 0-10k					
电压输出范围	4~20mA, 0~4mA					
信号处理	标准 其他可选	标准 其他可选	标准 其他可选	标准 其他可选	标准 其他可选	标准 其他可选

BULK SOLIDS HANDLING EQUIPMENT

AIR CYLINDER 直行程执行器

Air Cylinder QGBQ Series

QGBQ系列中型气缸



Common Specifications (共同规格)

Range (范围/规格)	25	40	50	63	80	100
Fluid (流体)	Clean Air (洁净空气)					
Acting (动作形式)	Double Acting (双动)					
Proof Press (保证工作压力)	1.5MPa (15kgf/cm²)					
Max. Press (最高使用压力)	0.95MPa (9.5kgf/cm²)					
Min. Press (最低使用压力)	0.05MPa (0.5kgf/cm²)					
Amb. Temp. (环境温度范围)	0~60°C					
Push Speed (推速速度)	50~500mm/s					
Cushion (缓冲)	Air Cushion (气缓冲)					
Stroke Tolerance (行程公差)	±25mm, 251~1000mm: ±100mm, 1000~1500mm: ±150mm					
Lubrication (润滑)	Lub Type 1 (Dry-Lube) (干油润滑) (不干油润滑)					
Port Size (端口口径/Rc)	1/8"	1/4"	3/8"	1/2"	3/4"	1"

Please Use Lubrication Oil for Stroke 1001 and Over. (行程1001mm以上请使用润滑油)

How To Order (型号表示方法)

