

山东章鼓 股票代码 002598



气力输送装置

PNEUMATIC CONVEYING EQUIPMENT



山东省章丘鼓风机股份有限公司

山东章鼓气力输送工程公司

SHANDONG ZHANGQIU BLOWER CO., LTD

PNEUMATIC CONVEYING ENGINEERING COMPANY

公司简介

山东章鼓气力输送工程公司是山东省章丘鼓风机股份有限公司子公司之一，是中国粉体处理和气力输送系统专业技术公司，高新技术企业，中国机械工程学会全国管道物料输送技术专业委员会常务理事单位、中国颗粒学会理事单位、中国石油和化工勘察设计协会粉体工程设计专业委员会会员单位，中国风机行业协会副理事长单位。公司拥有先进的气力输送工程技术、气力输送设备设计制造技术、顶尖的罗茨风机设计制造技术，研制开发高压密相和中低压稀相气力输送设备，承接粉体处理和气力输送工程，并从事气固两相流理论研究和应用。

章鼓气力输送工程公司多年来一直致力于气力输送产品的研制与开发，生产罗茨鼓风机、旋转供料器、分路阀、仓泵系统等气力输送关键设备，其中有 ZR 型（AZR 型、ZR-S 型、ZR-C 型）、ZH 高压型、SRV 型、GRV 型、GRL 型旋转供料器，FL 型、THFX 型分路阀，以及引进日本三兴空气装置株式会社的 GR 系列旋转供料器、EGH 型不锈钢分路阀。另有防卡器、加速室、抽气室等供料器专用的特别附属品供用户选择。

BRIEF INTRODUCTION

Shangdong Zhanggu Pneumatic Conveying Engineering Company is one subsidiary corporation of Shangdong Zhanggu, a professional firm in bulk handling and pneumatic conveying system in China, and it is the executive member of China Technical Committee For Freight Pipeline, Director of Chinese Society of Particuology, Member of the China Petroleum & Chemical Engineering Survey And Design Association Powder engineering design committee. We have advanced pneumatic conveying design and engineering technology of pneumatic conveying equipments, the top design and manufacturing technology of roots blower, the company develops dense phase and middle-low dilute phase pneumatic conveying system, and engages in the research of gas-solid double-phase theory.

The company has devoted to the research and the development of the pneumatic conveying products for many years. Our roots blower, rotary feeder, diverter valve, transport pump etc. Our rotary feeder including: ZR type (AZR type、ZR-S type、ZR-C type)、ZH high pressure type、SRV type、GRV type、GRL type rotary feeder. Diverter valve including: FL type and THFX type. And the technology of the rotary feeder, diverter valve from Sanko Air Plant Ltd. in Japan is reduced to produce GR type rotary feeder and EGH stainless steel diverter valve. The special accessories, such as the cutting preventing mechanism, feed nozzle and vent chamber etc, can be available to the client.

工作理念：做，就做到最好！

发展战略：拉长主业 上新创新 合资合作 发展章鼓

The theory of the company: Do it in the best way if you want to do !

Developing Principle:

Expand the main business, pioneer new fields,

Cooperate and develop our company larger and better



ZR型旋转供料器和ZH高压型旋转供料器

ZR Type Rotary Feeder & ZH Type Rotary Feeder



ZR型旋转供料器，采用高性能设计，密封性能好，漏气量低，运行可靠，采用多种专有技术，解决复杂物料的输送问题。本机主要有不锈钢ZR-S和碳钢ZR-C两类材质产品，可根据工况要求和物料特性采用不同的材质和特殊处理，主机各部件可进行不同材质的组合选配，满足不同层次的需求。广泛用于石油化工、医药卫生、电力建材、食品饲料，冶金矿业等行业的气力输送系统。

ZH高压型是针对高压输送系统而设计的产品，可实现高浓度长距离输送。

ZR type rotary feeder adopts high performance design, well seal and reliable operation. Use a variety of proprietary technology to solve complex material problems. This type has stainless steel ZR-S and carbon steel ZR-C two kinds of products. According to the working condition requirements and material properties, we can choose different equipment materials and special treatment. Components can be a combination of different materials to meet the needs of different levels. It widely used for petrochemical, medicine, food industry and so on.

ZH type is designed for high pressure pneumatic conveying system, high concentrations of long-distance conveying can be realized.



ZR-S不锈钢型旋转供料器

ZR-S Type Rotary Feeder

ZR-S 型为不锈钢材质的旋转供料器，是 ZR 系列产品为洁净领域开发的特殊材质产品，广泛应用于塑料、树脂、化工、食品医药等特殊处理场所的气力输送工程，同时根据物料和工况的不同，壳体转子部件材质和表面可进行特殊的组合和处理，满足不同工况的特殊要求。材质主要有符合国际标准的 304、304L、316、316L 等。

ZR-S type is designed for clean areas, for stainless steel as a whole. It widely used for plastic, food, chemical industry, etc. Components can be a combination of different materials to meet the needs of different levels. There are 304, 304L, 316, 316L, etc. They are in accordance with international standards.



AZR耐磨型旋转供料器

AZR Abrasion-resistant Type Rotary Feeder

AZR 型旋转供料器适用于磨损性物料的气力输送和卸料，通过对叶片和壳体进行耐磨加工处理，提高使用寿命。碳钢材质和不锈钢材质均可进行耐磨处理。

AZR type is designed for abrasive powder. The blades and housing of this type adopt abrasion-resistant treatment to improve the service life. Both the stainless steel and carbon steel can adopt abrasion-resistant treatment.



SRV贯通型旋转供料器

SRV Blow-through Type Rotary Feeder

SRV 贯通型旋转供料器是集气力输送系统多项技术而专门设计的高技术产品，拥有多项专利技术，上口进料，端盖设计进风、出料口的贯通型结构特别适用于粘性物料、细粉料的输送，具有自清理内部空腔功能，适合洁净物料输送。同时该机型端盖上的进出口直接连接输送管道，降低了设备安装高度，节省空间，本机有多种材质供客户选择。

SRV blow-through type rotary feeder is pneumatic conveying high technology products, and it has a number of patents. Have the blow-through structure that feed-in from upside, enter wind and get out material from the cover side. Blow-through types especially suitable for viscosity and powder material. It has a automatic cleaning function, can be used for clean areas. Air inlet and outlet connected to the pipe directly, reduce the equipment installation height, save more space. This type has a variety of models for the user to choose from.

ZR 系列产品有着更优良的技术性能，凝聚历届中外产品精华并注入专利技术，满足用户替换和新建项目的要求。

ZR series has excellent technical performance, and it condenses the essence of the successive chinese and foreign products and patent technology to meet the needs of users on the new projects and replacement projects.

章晃旋转供料器

Zhanghuang Rotary Feeder



GR型旋转供料器

GR Standard Type Rotary Feeder



GR 标准型旋转供料器是本公司合资企业章晃公司引进日本三兴空气株式会社气力输送技术而制作的产品。应用广泛，性能优良。轴承外置，轴端有多种密封形式供选择，适应性强。

GR stand type rotary feeder is adopted the technology from Sanko Air Plant Ltd. in Japan which is produced by our combined company. Wide application, excellent performance, with external bearings, shaft end sealing form a variety of artificial selection, adaptability.



GRS型不锈钢旋转供料器

GRS Type Stainless Steel Rotary Feeder



GRS 为不锈钢材质的旋转供料器，适宜输送化工原料、食品、医药等行业的特殊要求物料。结合章鼓气力输送工程公司应用技术，在特殊的树脂、塑料、催化剂、食品行业得到了广泛的可靠应用。

GRS type stainless steel rotary feeder suits transport chemical, food and medicine etc which has the special requirement. Combined with zhanggu pneumatic conveying application technology, widely application in the special resin, plastics, catalyst, food industry



AGR型耐磨旋转供料器

AGR Type Abrasion-resistant Rotary Feeder



AGR 型旋转供料器是适用于磨耗性粉料，机壳内设有可更换的内衬套，以提高使用寿命和更换方便。

This type is designed for abrasive powder. The sleeve in the casing is replaceable, which can be restored by replacing without damaging the casing.



MGR/MAGR/MGRS型悬挂式旋转供料器

MGR/MAGR/MGRS Hanging Type Rotary Feeder



MGR/MAGR/MGRS 是根据客户不同的安装要求而专门设计的机型，该机型的主要特点就是减速电机侧置式，通过连接板与主机直接相连，省去了底座，节省安装空间。

As a new model specially designed in accordance with the customer's different installation requirements, which is connected with the main body directly by web plates. It does not need a base any more, and can save installation space.

分路阀与CR旋转供料器

Diverter Valve & CR Type Rotary Feeder

 SANKO
三興空氣裝置



EGH型分路阀

EGH Type Diverter Valve

该设备使用于输送粉末物料的管道系统以及需要密封的颗粒料输送管道系统切换。

材质：SUS304

This type diverter valve suit to pipe changing which is designed for powder conveyor pipelines and pellet lines where sealing is needed.

Material: SUS304



FL型分路阀 & T型分路阀

FL Type Diverter Valve and T Type Diverter Valve

该设备使用于输送粉末物料的管道系统切换以及需要密封的颗粒料输送管道系统切换。

FL 型为 45 度分路切换；T 型分路阀为 90 度分路切换。

材质：碳钢、耐磨

This type diverter valve suit to pipe changing which is designed for powder conveyor pipelines and pellet lines where sealing is needed.

Diverting angle: FL type is 45° ; T type is 90° .

Material: carbon steel , abrasion-resistant.



THFX旋塞式分路阀

THFX Type Diverter Valve

THFX 型旋塞式分路阀是我公司依据最新气固两相流理论，专为粉体、颗粒体的管道气力输送切换而专门设计的产品。该产品集合国内外先进技术于一身，结构简单，设计科学合理，使用操作方便，无故障。使用该产品使物料在管道中流动更顺畅，局部阻力小，物料无残留，结构无死角，广泛应用于化工、食品、医药、粮食、港口、饲料等各个行业的粉粒料输送工程中，是理想的管路切换设备。

THFX type diverter valve is designed specially based on the theory of the atest gas-solid two-phase flow, it switches pipeline of pneumatic conveying to transfer powder or granule material. The advanced technologies of domestic and foreign converge at this products, simple structure, scientific and reasonable design, easy to operate, trouble-free. It makes material to flow more smoothly in the pipeline, small local resistance, no residual material, and no dead structure. Widely used in various pneumatic conveying industries to transfer powder or granule material, such as chemical, food, medicine, foodstuff, port, fodder etc. It is ideal equipment to switch pipeline.



CR型旋转供料器

CR Type Rotary Feeder

CR 型旋转供料器是针对一些简单的卸料工况而开发的产品，多为无压力下的卸料或小压差下的锁风及卸料。通常用于料仓底部或除尘器下方，广泛应用于石化、粮食、建材等行业。

CR type rotary feeder is developed for some simple conditions, mostly for non-pressure discharge or air lock and discharge under small pressure. Commonly used below the silo bottom or dust catcher, widely used in petrochemical, food, building materials and other industries.

旋转供料器选型说明

Instruction of Rotary Feeder Selection

型号说明

Type show

A Z R 70 W B S - M1

电机安装形式: M1底座式、M2侧置式、M3直联式

材料代号: S不锈钢、C碳钢、T特殊及组合

转子形式: B闭式、K开式、X特制

壳体进口形式: W口、P圆口、G贯通

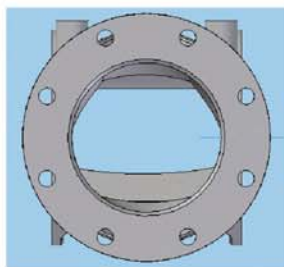
容积代号: 50、70、120、220、400、600、800

旋转阀系列代号: R、H

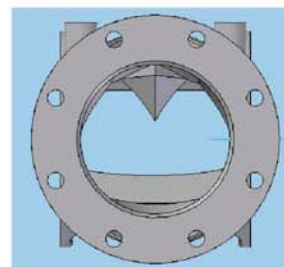
章鼓系列代号: Z

前置代号: A耐磨、F防腐

壳体进口基本形式 Inlet type



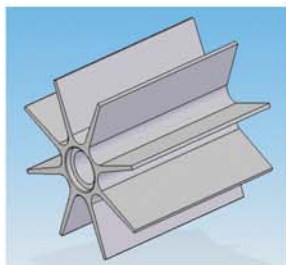
P型 (Type P)



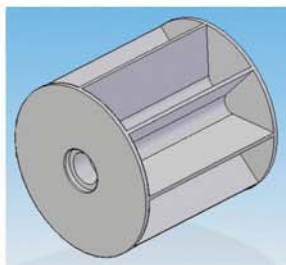
W型 (Type W)

转子基本形状 Shape of rotor

直齿

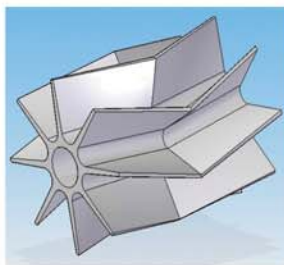


K开式 (Open)

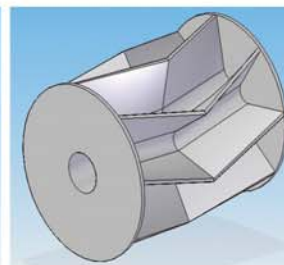


B闭式 (Close)

V型齿



K开式 (Open)



B闭式 (Close)

注: 具体壳体进口形式和转子形状需根据物料特性及使用工况选择。

Note: The specific shape of the rotor and inlet type needs to be selected according to the material characteristics and the using condition.

供料器给料量基本计算方法

Capacity calculation method

$$Q(m^3/h) = V(L/rev) \times N(rpm) \times \eta(\%) \times 60/1000$$

Q: 理论输送量 (m³/h)

Q: Discharge capacity(m³/h)

V: 转子的容积 (L/rev)

V: Rotor volume(L/rev)

N: 转子的转速 (rpm)

N: Rotor speed (rpm)

η: 转子容积效率 (%)

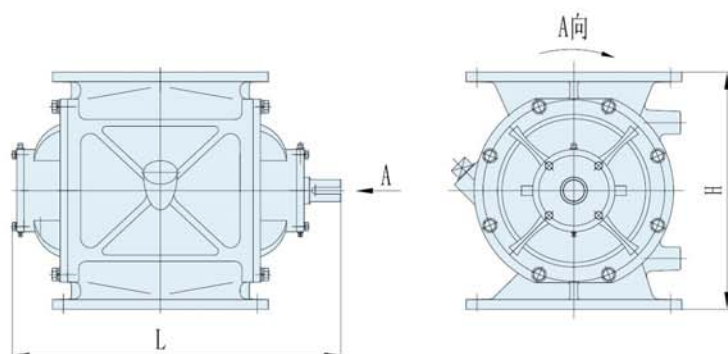
η: Rotor volume efficiency(%)

基本尺寸表

The Basic Size Table

ZR型旋转供料器主机外形图及尺寸表（包含AZR、ZR-S、ZR-C）

ZR Rotary Feeder Outline Drawing and Size Table (AZR、ZR-S、ZR-C)

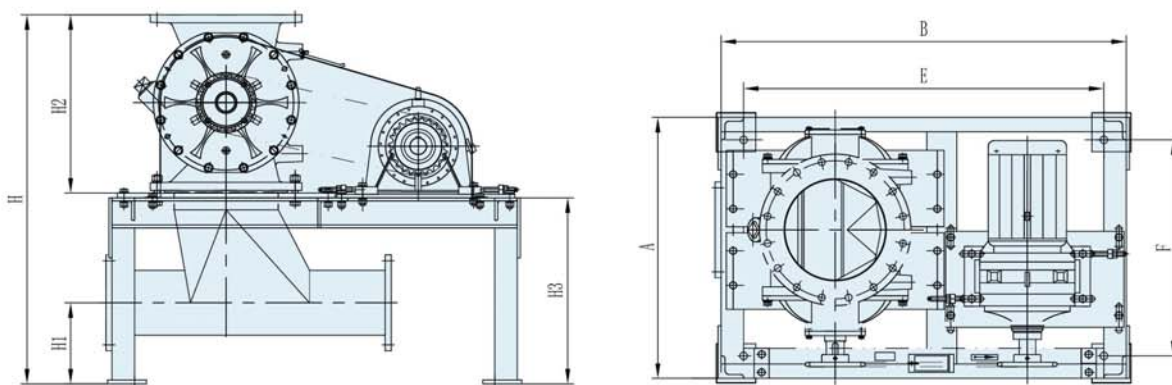


型号 Model	口径 Bore (Inch)	容积 Rotor Volume (L/rev)	法兰间距 Flange Face to Face H(mm)	长度 L (mm)	重量 Weight (kg)
ZR50	6	4.3	330	485	78
ZR70	8	6.6	350	524	112
ZR120	10	12.6	420	583	165
ZR220	12	22.3	490	678	254
ZR400	14	41.5	585	781	406
ZR600	16	59	645	843	504
ZR800	18	80	700	944	640

注：本公司法兰制作标准为 GB1.0MPa

ZR旋转供料器机组（M1底座式）外形图及尺寸表

ZR Rotary Feeder Unit (The Base Type) Outline Drawing and Size Table



型号 Model	口径 Bore (Inch)	电机 Drive Motor (kW)	容积 Rotor Volume (L/rev)	外形尺寸 (mm) Outline Size								重量 Weight (kg)
				A	B	E	F	H	H1	H2	H3	
ZR50	6	0.37	4.3	550	805	655	400	801	193	339	450	180
ZR70	8	0.75	6.6	615	1020	870	465	823	170	359	450	236
ZR120	10	0.75	12.6	655	1090	940	505	943	195	429	500	297
ZR220	12	1.5	22.3	740	1300	1150	590	1065	222	499	550	430
ZR400	14	2.2	41.5	850	1350	1200	700	1230	267	594	620	545
ZR600	16	2.2	59	920	1410	1260	770	1349	276	654	675	658
ZR800	18	4.0	80	1015	1450	1250	815	1456	303	709	725	830

说明：本样本记录内容为基本形式尺寸，供参考，不作为供货依据，详细内容和数据以本公司技术方案为准。

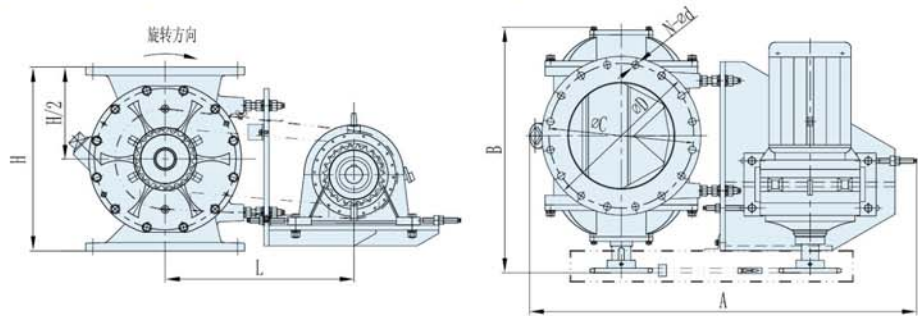
This sample records of the basic size. It is only for reference, not as the basis of delivery. Detailed content and data will be provided in the technical solution.

基本尺寸表

The Basic Size Table

ZR旋转供料器机组(M2悬挂式)外形图及尺寸表

ZR Hanging Type Rotary Feeder Outline Drawing and Size Table

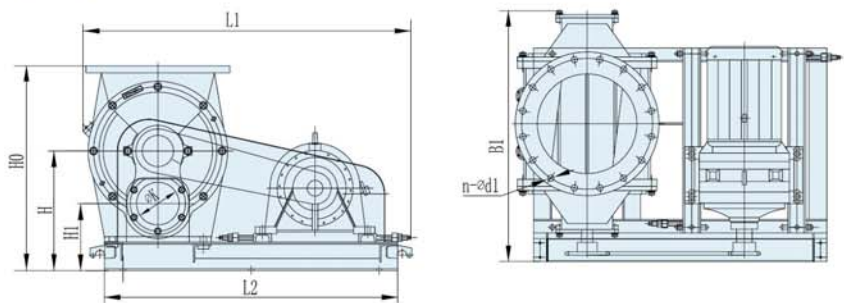


型号 Model	口径 Bore (Inch)	容积 Rotor Volume (L/rev)	电机 Drive Motor(kW)	尺寸 Dimensions(mm)							重量 Weight (kg)
				A	B	H	L	C	D	N-φd	
ZR50	6	4.3	0.37	730	485	330	350	240	285	8-φ23	150
ZR70	8	6.6	0.75	867	527	350	420	295	340	8-φ23	187
ZR120	10	12.6	0.75	942	585	420	450	350	395	12-φ23	248
ZR220	12	22.3	1.5	1051	678	490	500	400	445	12-φ23	364
ZR400	14	41.5	2.2	1245	781	585	600	460	505	16-φ23	596
ZR600	16	59	2.2	1278	843	645	625	515	565	16-φ27	623
ZR800	18	80	4.0	1366	946	700	660	565	615	20-φ27	805

说明：本样本记录内容为基本形式尺寸，供参考，不作为供货依据，详细内容和数据以本公司技术方案为准。

SRV贯通型旋转供料器外形图及尺寸表

SRV Blow-through Type Rotary Feeder Outline Drawing and Size Table

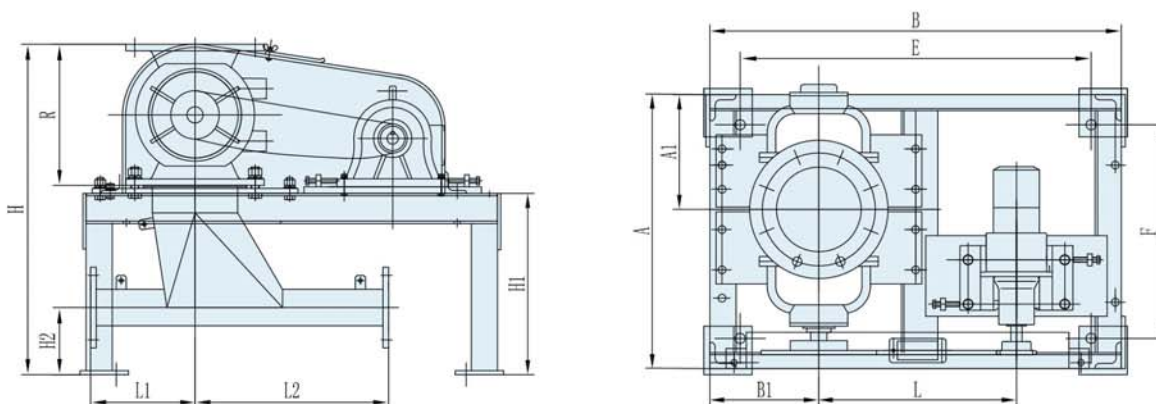


型号 Model	电机 Drive Motor(kW)	容积 Rotor Volume (L/rev)	L1	L2	B1	H0	n-φd1	H	H1	ΦK	重量 Weight (kg)
SRV150	0.55	1.7	643	516	443	318	8-φ22	193	121	40	80
SRV180	0.55	3.2	740	600	495	358	8-φ22	213	128	50	111
SRV200	0.75	4.8	812	712	635	435	8-φ22	273	173	65	150
SRV250	1.1	10	850	750	635	505	8-φ22	310	185	80	195
SRV300	1.1	16.2	946	840	702	565	12-φ22	336	186	100	237
SRV350	1.5	28.4	1016	910	794	630	12-φ22	370	216	125	315
SRV400	2.2	41.4	1141	1030	881	720	16-φ22	421	236	150	467
SRV450	3	60.4	1276	1115	1016	820	16-φ26	483	278	175	670
SRV500	4	78.8	1363	1230	1080	890	20-φ26	510	280	200	875
SRV600	5.5	139.4	1422	1280	1283	1051	20-φ26	602	324	225	1136

GR标准型旋转供料器外形图及尺寸表

GR Standard Type Rotary Feeder Outline Drawing and Size Table

 **SANKO**
三興空氣裝置



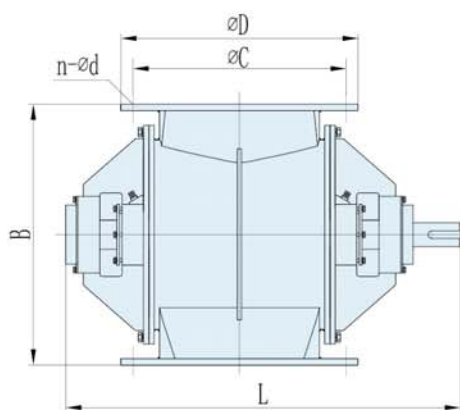
型号 Model	口径 Bore (Inch)	容积 Rotor Volume (L/rev)	电机 Drive Motor (kW)	外形尺寸 (mm) Outline Size													重量 Weight (kg)
				A	A1	B	B1	E	F	H	H1	H2	R	L	L1	L2	
GR15	5	1.8	0.37	570	255	805	220	655	420	716	420	183	280	390	180	270	102
GR30	5	2.8	0.37	570	245	805	220	655	420	736	420	183	300	390	180	270	118
GR50	6	4.3	0.37	570	230	805	220	655	420	796	450	188	330	390	200	300	140
GR70	8	6.6	0.75	680	285	1020	270	870	530	820	450	167	350	490	320	480	160
GR120	10	12.6	0.75	730	300	1090	305	940	580	940	500	191	420	525	330	520	200
GR220	12	22.3	1.5	820	350	1300	355	1150	670	1063	550	245	490	625	370	530	310
GR300	12	31.4	1.5	910	350	1300	355	1150	760	1119	550	221	545	625	370	530	400
GR400	14	41.5	2.2	960	380	1350	380	1200	810	1233	620	270	585	650	400	550	425
GR600	16	59	2.2	1020	415	1410	410	1260	870	1323	650	278	645	680	480	720	520
GR800	18	80	4.0	1140	440	1450	430	1250	940	1431	700	303	700	710	500	800	650

注：※JIS10K 为本公司制作标准 Standard of This Company

本样本记录内容为基本形式尺寸，供参考，不作为供货依据，详细内容和数据以本公司技术方案为准。

CR型旋转供料器

CR Type Rotary Feeder



型号 Model	口径 Bore (Inch)	容积 Rotor Volume (L/rev)	电机 Drive Motor (kW)	B	C	D	n-φd	L
CR50	6	6	0.37	330	240	285	8-φ23	579
CR70	8	8	0.75	350	295	340	8-φ23	631
CR120	10	13	0.75	420	350	395	12-φ23	691
CR220	12	27	1.5	490	400	445	12-φ23	744
CR400	14	42	2.2	585	460	505	16-φ23	847
CR600	16	62	2.2	645	515	565	16-φ27	902
CR800	18	86	4	700	565	615	20-φ27	992

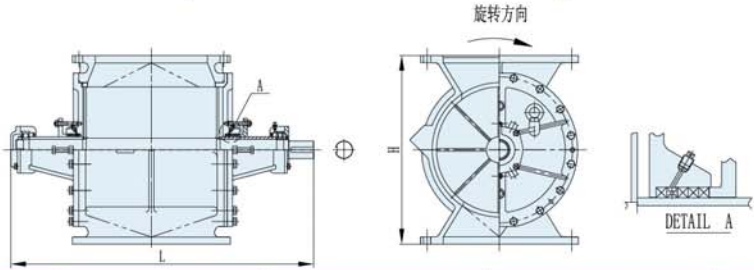
注：本公司法兰制作标准为 GB1.0MPa

基本尺寸表

The Basic Size Table

AGR耐磨旋转供料器外形图及尺寸表

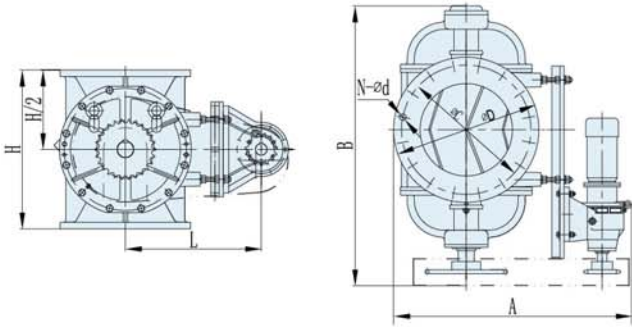
AGR Abrasion-resistant Rotary Feeder Outline Drawing and Size Table



型号 Model	口径 Bore(Inch)	容积 Rotor Volume (L/rev)	电机 Drive Motor (kW)	法兰间距 Flange Face to Face H(mm)	长度 L (mm)	重量 Weight (kg)
AGR-50	6	4	0.37	330	560	70
AGR-70	8	6	0.75	350	670	105
AGR-120	10	11	0.75	420	720	135
AGR-220	12	19	1.5	490	792	225
AGR-300	12	27	1.5	545	954	300
AGR-400	14	37	2.2	585	986	355
AGR-600	16	50	2.2	645	1036	430
AGR-800	18	70	4.0	700	1166	575

MGR悬挂式旋转供料器外形图及尺寸表

MGR Hanging Type Rotary Feeder Outline Drawing and Size Table



型号 Model	口径 Bore (Inch)	容积 Rotor Volume (L/rev)	电机 Drive Motor (kW)	尺寸 Dimensions(mm)							重量 Weight (kg)
				A	B	H	L	C	D	N-φd	
MGR/MAGR/MGRS-30	5	2.8	0.37	540	533	300	325	210	250	8-φ23	70
MGR/MAGR/MGRS-70	8	6.6	0.75	630	670	350	370	290	330	12-φ23	115
MGR/MAGR/MGRS-120	10	12.6	0.75	745	720	420	425	355	400	12-φ25	160
MGR/MAGR/MGRS-220	12	22.3	1.5	825	792	490	462	400	445	16-φ25	240
MGR/MAGR/MGRS-300	12	31.4	1.5	825	954	545	465	400	445	16-φ25	330
MGR/MAGR/MGRS-400	14	41.5	2.2	900	986	585	500	445	490	16-φ25	390

注：1、重量中不包括电机重量。Note：1.Does not include the weight of motor

2、表中的尺寸C、D、N-φd为JIS10K法兰标准尺寸，其他法兰标准（JIS5K、GB1.0MPa）参照GR型相同口径产品的法兰标准。Dimension C、D、N-φd in drawing is standard dimension of JIS10K Flange.Other flange standares(JIS5K、GB1.0MPa) reference to same bore products of type GR.

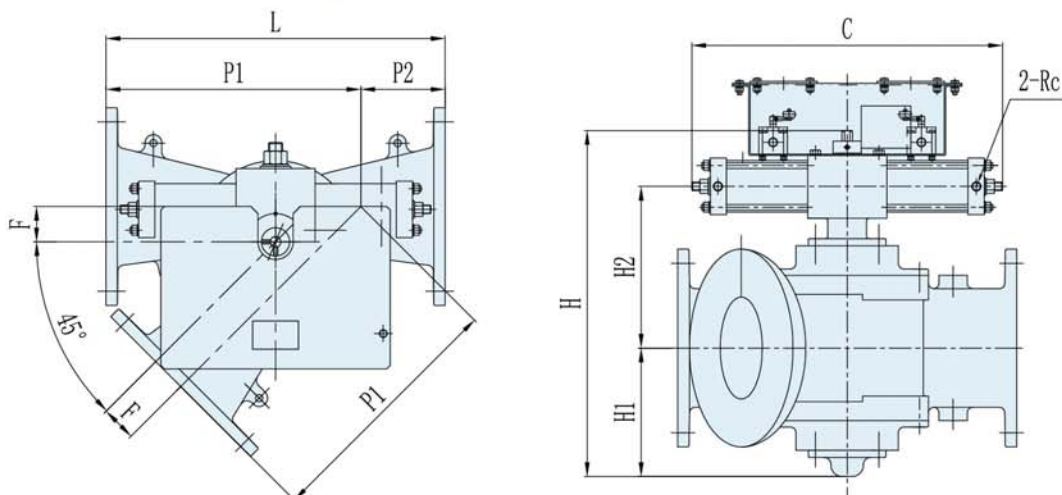
分路阀外形图及安装尺寸

Outside Figure and Installation Size

EGH分路阀外形图及尺寸表

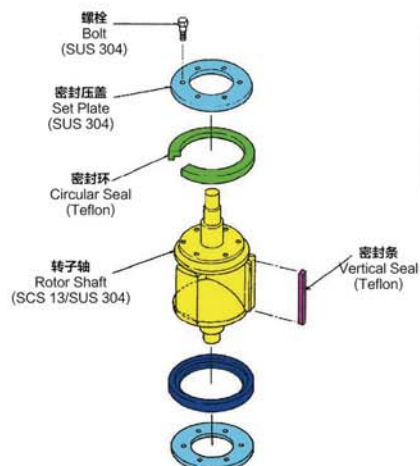
EGH Diverter Outline Drawing and Size Table

 **SANKO**
三興空氣裝置

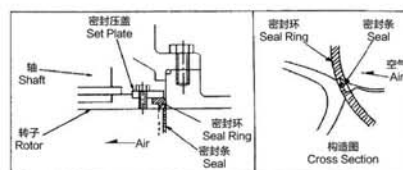


口径 Bore	L	P1	P2	F	H	H1	H2	C	Rc	重量 Weight (kg)
40A	275	185.8	89.2	20	365	119.5	245.5	420	1/4	38
50A	290	205.4	84.6	25	376	125	251	420	1/4	45
65A	320	232.4	87.6	30	427	140.5	286.5	452	3/8	45
80A	325	247.0	78.0	35	441	147.5	293.5	452	3/8	63
100A	400	296.6	103.4	40	473	163.5	309.5	452	3/8	75
125A	435	326.1	108.9	45	566	190	376	562	3/8	118
150A	480	360.7	119.3	50	590	202	388	562	3/8	133
200A	565	439.4	125.6	65	762	254	508	814	1/2	215
250A	625	517.7	107.3	85	816	281	535	814	1/2	270
300A	735	608.9	126.1	100	853	294.5	558.5	1078	1/2	359
350A	815	673.1	141.9	110	890	313	577	1078	1/2	415
400A	870	748.8	121.2	130	940	338	602	1078	1/2	523
450A	915	795.5	119.5	140	1919	377.5	641.5	1078	1/2	650

EGH型转子构造图
Exploded view of EGH Rotor



EGH型密封构造图
Exploded Seal Mechanism



EGH 型分路阀转子表面由聚四氟乙烯覆盖，密封性能较好。

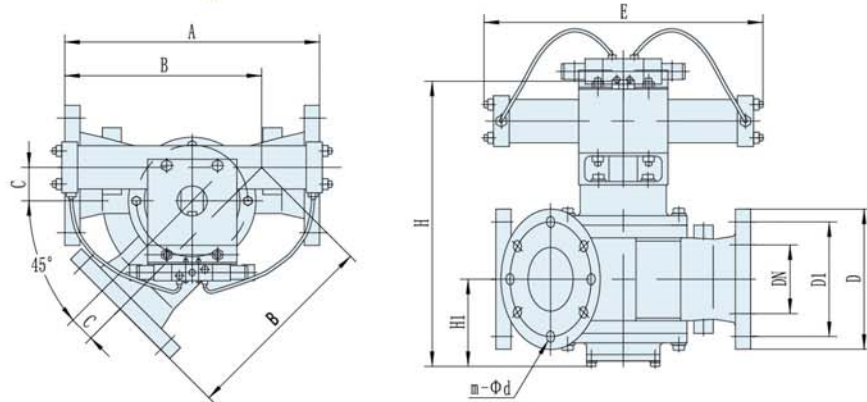
The EGH diverter with a Teflon-coated rotor provides high sealing efficiency.

分路阀外形图及安装尺寸

Outside Figure and Installation Size

FL分路阀外形图及尺寸表

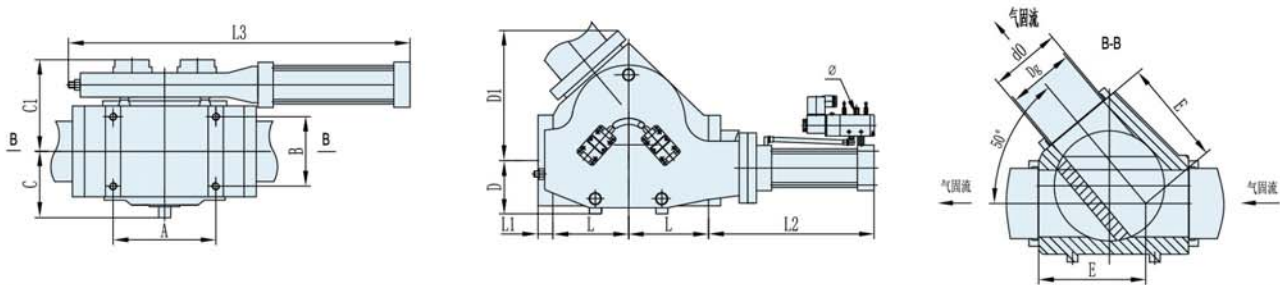
FL Diverter Outline Drawing and Size Table



型号 Model	DN	D1	D	A	B	C	E	H	H1	m-φd	重量 Weight (kg)
FL50	50	125	165	328	224.4	25	262	366	93	4-17.5	40
FL65	65	145	185	350	227	30	262	410	114	4-17.5	45
FL80	80	160	200	358	263.5	35	430	423	125	8-17.5	63
FL100	100	180	220	400	296.6	40	430	445	130	8-17.5	75
FL125	125	210	250	450	333.6	45	438	506	150	8-17.5	118
FL150	150	240	285	510	375.7	50	438	564	165.7	8-22	133
FL175	175	270	315	525	407.4	60	438	594	181	8-22	146
FL200	200	295	340	565	439.4	65	618	693	197	8-22	215

THFX分路阀外形图及尺寸表

THFX Diverter Outline Drawing and Size Table



型号 Model	A	B	C	C1	D	D1	Dg	d0	E	L	L1	L2	L3	Φ
THFX65	110	75	76.5	103.5	60	140	65	73	124	80	12	196	408	G1/4
THFX80	135	92	88	132	70	172	80	89	150	100	16	210	436	G1/4
THFX100	170	115	110	167	88	216	100	108	190	125	20	280	565	G1/4
THFX125	154	140	123.5	206.5	110	215	125	133	205.4	140	20	338	676	G3/8
THFX150	210	160	145	220	124	248.5	150	159	237.2	160	22	368	670	G1/2
THFX175	240	180	150	230	135	273.5	180	190	260.8	175	22	345	738	G1/2
THFX200	280	220	177	255	153.5	317	203	219	300	200	25	428	878	G1/2
THFX225	310	240	194	267	169	347	228	245	245	220	25	428	900	G1/2
THFX250	350	270	210	284	183.5	385	255	273	273	245	25	468	993	G1/2

说明：本样本记录内容为基本形式尺寸，供参考，不作为供货依据，详细内容和数据以本公司技术方案为准。

旋转供料器漏气量估算表

Rotary Feeder Airleakage Volume

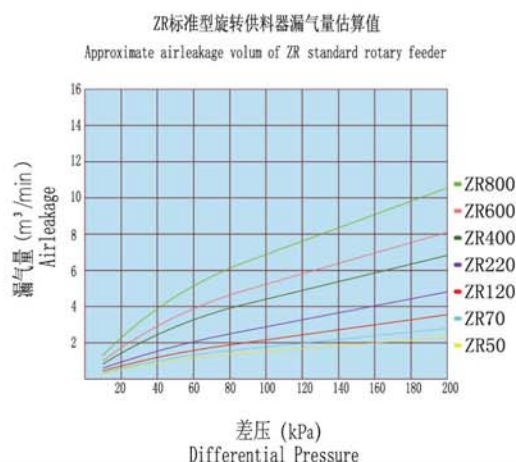
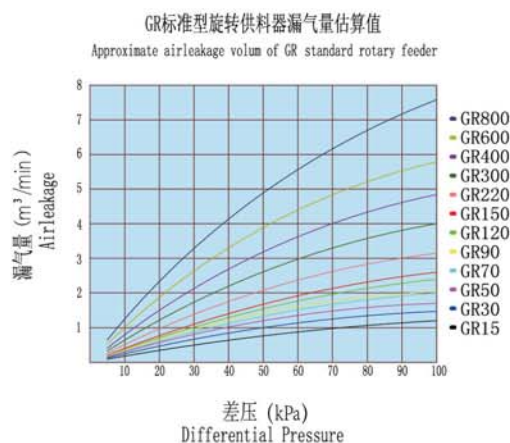
漏气量的估算 Airleakage Volume

漏气量是影响旋转供料器技术性能的重要因素，同时在对气力输送系统设计时也是确定风机风量的重要因素。

The airleakage volume is an important element which determines the rotary feeder performance. This is also important in determining the blower air volume in pneumatic conveying design.

下述漏气量的估算值是随温度条件而变化的。

The following airleakage volume is an approximate value, which differs, depending on the temperature conditions.



特殊附属品

抽气室 Vent chamber

对于堆积密度小的粉料有必要配置各种形式的抽气室，以满足工况要求。本公司抽气室主要分沉降型和同伴型两类。

When air extraction is required (for example ,when the powder of low apparent specific gravity is handled),an extraction chamber of special construction is optionally available according to each type of rotary feeder.



防卡进料器 Cutting preventing mechanism

对于非常坚硬的颗粒料设置防卡进料器附件会产生有益的效果，防卡器应用于 P 口状态，W 口和 V 型转子无需配置此附件。

This unit is used for handling unusually hard gradules,producing excellent results coupled with V-type rotor effect.



加速室 Feed nozzle

将粉料向输送管供入时，加速室起到边加速边输送的效果，并且不会产生较大的压力损失。是输送的必备设备。适用于真空和正压状态。

This feed nozzle can mix granules smoothly in the transport pipe and transport them while accelerating.No such large pressure loss as in the ejector is produced.



CF吉川粉末颗粒给料机

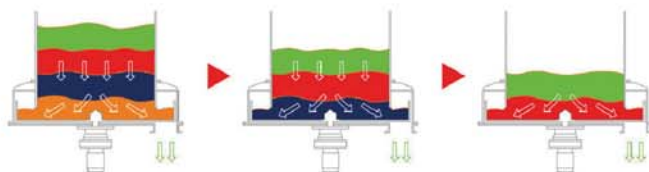
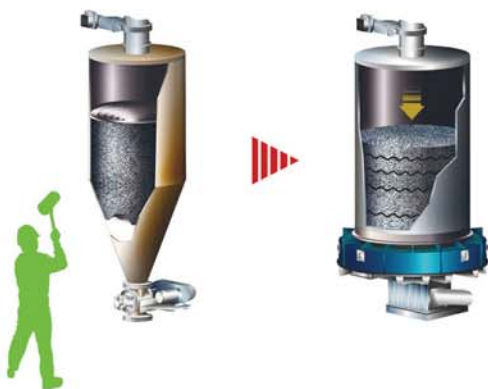
YOSHIKAWA CIRCLEFEEDER®

中国总代理

CF 吉川粉末颗粒给料机（排料机）是本公司代理日本吉川公司产品，本产品应用于各种粉粒料从料仓卸料，吉川公司拥有特殊的技术和经验，确保任何的物料能够顺利地料仓排出，即便是粘性的，含水的物料，纤维状物料、絮状物料甚至污泥也能够实现顺利地排出。并且能够保证足够高的精度。

特点：

防止架桥和偏析、实现粉层整体下落流动模式（mass flow），定量给料、动力小、节能。



排出原理：

YOSHIKAWA CIRCLEFEEDER 安装在料斗或料仓底部
薄薄的扁平叶片在底盘上旋转，粉末通过扁平叶片推向圆筒外周
外周部分的粉末通过外周旋转叶片运送到排出口后排出



规格 Specification

型号 Model 项目Item		CF-200		CF-300		CF-500		CF-700		CF-1000		CF-1200		CF-1400		CF-1600		CF-1800		CF-2000		CF-2400	
		A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B
最大容量 Max.Capability (m³/h)	50Hz	0.13	0.66	0.38	0.89	0.92	2.4	4.9	13	10	20	13	29	18	35	20	38	27	48	30	59	40	86
	60Hz	0.15	0.80	0.46	1.10	1.1	2.9	5.9	15	12	24	16	35	22	42	24	46	32	58	36	71	48	104
最小容量 Min.Capability (m³/h)	50Hz	0.05	0.37	0.21	0.49	0.51	1.1	1.9	5.6	3.2	7.4	3.9	9.1	5.3	14	5.9	15	6.8	17	8.6	18	11	32
	60Hz	0.06	0.44	0.26	0.59	0.62	1.3	2.3	6.8	3.9	8.9	4.8	11	6.4	16	7.1	18	8.2	20	10	22	13	38

规格可能因粉末的物性而变化

排出口：标准为 1 个（也可以安装 2 个以上）

也制作非标的特殊规格

* 材质：标准 SS400、SUS304

其他 SUS316、316L、钛、耐盐酸镍基合金、树脂涂层等

* 防水结构

* 气密规格 490.3kPa(5kg/c m²) 等

* 耐热规格（粉末温度 700℃等）

* 耐磨规格（旋转叶片 其他）

* 防爆规格（eg3、d2G4）

* 易清规格

* 转速控制（变频器）

CF-200 排料调节以转速控制为标准

大型 YOSHIKAWA CIRCLEFEEDER

超过 CF-2400 的大型机也在生产，请来电咨询。

气力输送装置

Pneumatic Conveying Equipment



智能罗茨鼓风机



SSR罗茨鼓风机



ZG罗茨鼓风机



ZRU一体化供料单元



GRV型旋转供料器



GRL型旋转供料器



F系列仓泵



陶瓷阀门



圆顶阀



电动换向阀



取样器



喷射泵

以上及其他气力输送装置，如需订购，请致电咨询。

在您需要购买时 For Inquiry Of Products

在您需要购买本供料器时，请尽量详细告知如下项：

Users are kindly requested to inform us of the following as far in detail as possible.

- 用途 请说明是定量排出、全量排出、还是气锁
Usage Please specify if discharge a fixed quantity, or full quantity, or air lock
- 使用场所 室内还是室外
Location Indoor or outdoors
- 能力 每小时供料量 kg/h
Capability Feeding capacity per hour(kg/h)
- 输送物料的性能 名称、粒度、真密度、堆积密度、温度、安息角、含水率
Performance of transported matter name, granularity, true density , bulk density, temperature, angle of repose, moisture WT.
- 输送气体名称及供料器上下法兰之间的压力差
Name of gas transported and differential pressure between the upper and lower flanges of the feeder.
- 请指定法兰规格
Please specify the specification of the flanges
- 若需配用加速室、抽气室时，请指定型号
If the feed nozzle and vent chamber are necessary, please specify the type
- 供料器内腔表面是否需要特殊处理
Internal surface needs special machining or not
- 减速机电机 请指定防护等级、防爆等级
Gear motor Please specify protection grade and explosion-proof grade
- 附属品、备件 是否需要
Accessories and spares If needing or not
- 涂装色 有无指定颜色（无指定时为我公司产品标准颜色）
Coating color Please specify (Or it would be our standard color).

山东省章丘鼓风机股份有限公司

山东章鼓气力输送工程公司

SHANDONG ZHANGQIU BLOWER CO.LTD

SHANDONG ZHANGGU PNEUMATIC CONVEYING ENGINEERING COMPANY

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