Make Smart  Go Together

AIRBEST

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AIRBEST



Vacuum Solutions Supplier

2021

AIRBEST



Make Smart　Go Together

AIRBEST was established in 2006, engaged in R&D, manufacturing and sales of vacuum gripping products (vacuum generator, vacuum suction cups and vacuum grippers, etc).

Products are used in different industries, mainly includes intelligent manufacturing, automotive metal press, packaging, woodworking, industrial robots, foods, pharmaceuticals, electronics, etc.

We pay attention to the practical application of products, quality-orientation and innovation first. So far we acquired many patents.

AIRBEST constantly serves customers and makes improvements, contributes our professional technology in vacuum gripping field.

Appreciate for your attention and support to AIRBEST.





Negative pressure conversion table

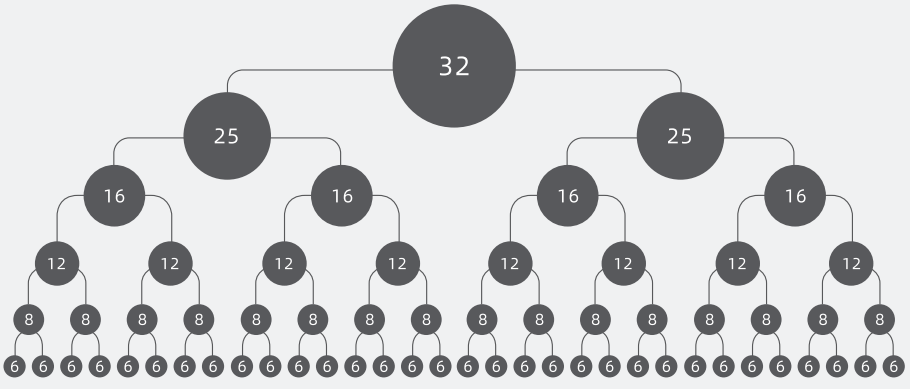
	mbar	kPa	-kPa	%vacuum	torr	-mmHg	-inHg
Atmospheric pressure	1,013	101.3	0	0	760	0	0
	913	91.3	10	9.9	685	75	3
	813	81.3	20	19.7	610	150	6
	713	71.3	30	29.6	535	225	9
	613	61.3	40	39.5	460	300	12
	513	51.3	50	49.3	385	375	15
	413	41.3	60	59.2	310	450	18
	313	31.3	70	69.1	235	525	21
	213	21.3	80	79	160	600	24
	113	11.3	90	89	85	675	27
Absolute vacuum	0	0	101.3	100	0	760	30

Flow conversion table

	m^3/s	m^3/h	NL/min	NL/s	$ft^3/min(scfm)$
1 m^3/s	1	3,600	60,000	1,000	2,118.9
1 m^3/h	0.28×10^{-3}	1	16.6667	0.2778	0.5885
1 NL/min	16.67×10^{-6}	0.06	1	0.0167	0.035
1 NL/s	1×10^{-3}	3.6	60	1	2.1189
1 ft^3/min	0.472×10^{-3}	1.6992	28.32	0.4720	1

Flow: Air volume flows through specified cross section per unit time

Layout of hoses



Common application (for reference):

◇ The diameter mentioned above, for hoses dia.≤16mm means outer diameter; dia.＞16mm, means inner diameter.

◇ The hoses layout above is for reference only, please consider the actual application.

Vacuum Generators

AZK Series Integrated Vacuum Generator

NEW



RoHS

Model	Max.vacuum level(-kPa)	Max.vacuum flow(NL/min)
AZK-S	74	44
AZK-X	91	41
AZK-P	88	40
AZK-L	90	68

AZX Series Large Flow Integrated Vacuum Generator

NEW



Model	Max.vacuum level(-kPa)	Max.vacuum flow(NL/min)
AZX20	85	150
AZX30	85	220

AZD Series Energy-saving Vacuum Generator

NEW



Model	Max.vacuum level(-kPa)	Max.vacuum flow(NL/min)
AZD20	83	130

AGE Series Mechanical Energy-saving Vacuum Generator

NEW



Model	Max.vacuum level(-kPa)	Max.vacuum flow(NL/min)
AGE	92	41

ABT Series Mini Vacuum Generator

NEW



Model	Max.vacuum level(-kPa)	Max.vacuum flow(NL/min)
ABT-S02	75	16.8
ABT-T05	81	18
ABT-X2.5	90	15.6
ABT-S08	75	46
ABT-X10	92	42
ABT-P12	90	42
ABT-D16	72	40

ABP Series Vacuum Generator with Fast Blow-off

NEW



Model	Max.vacuum level(-kPa)	Max.vacuum flow(NL/min)
ABP-10	81	38

AGS Series Vacuum Generator

C type



Model	Max.vacuum level(-kPa)	Max.vacuum flow(NL/min)
AGS-C-S02-2	75	16.8
AGS-C-X2.5-2	90	17.2
AGS-C-T05-2	84	19.5

N type



Model	Max.vacuum level(-kPa)	Max.vacuum flow(NL/min)
AGS-N-S08-2	75	46
AGS-N-S08-3	75	68
AGS-N-X10-2	93	44
AGS-N-X10-3	93	68
AGS-N-P12-2	90	42
AGS-N-P12-3	90	68
AGS-N-D16-2	72	40

D type



Model	Max.vacuum level(-kPa)	Max.vacuum flow(NL/min)
AGS-D-S32-2	75	178
AGS-D-S32-3	75	360
AGS-D-X40-2	95	170
AGS-D-X40-3	95	372

AGB Series Vacuum Generator



Model	Max.vacuum level(-kPa)	Max.vacuum flow(NL/min)
AGB-S02-2	75	16.8
AGB-X2.5-2	90	17.2
AGB-T05-2	84	19.5

AGP Series Vacuum Generator



Model	Max.vacuum level(-kPa)	Max.vacuum flow(NL/min)
AGP-S08-3	75	68
AGP-X10-3	93	68
AGP-P12-3	90	68

ABQ Series Vacuum Generator with Fast Blow-off

NEW



Model	Max.vacuum level(-kPa)	Max.vacuum flow(NL/min)
ABQ-08	81	38

Vacuum Generators

AGX Series Vacuum Generator



Model	Max.vacuum level(-kPa)	Max.vacuum flow(NL/min)
AGX-S32-3	75	390
AGX-X40-3	95	380

ALS Series Linear Single Stage Vacuum Generator



Model	Max.vacuum level(-kPa)	Max.vacuum flow(NL/min)
ALS-M5F	85	14.4
ALS-G1F	85	14.4
ALS-G2F	85	14.4

AZW Series Large Flow Integrated Vacuum Generator

NEW



Model	Max.vacuum level(-kPa)	Max.vacuum flow(NL/min)
AZW	95	140

AZR Series Mini Vacuum Generator with Fast Blow-off



Model	Max.vacuum level(-kPa)	Max.vacuum flow(NL/min)
AZR05H	88	7.0
AZR07H	88	12.5
AZR05L	58	12.0
AZR07L	58	20.0

AMD Series Large Flow Vacuum Generator

NEW



Model	Max.vacuum level(-kPa)	Max.vacuum flow(NL/min)
AMD-X1	95	354
AMD-X2	95	700
AMD-X3	95	980
AMD-X4	95	1,380
AMD-S1	75	360
AMD-S2	75	710
AMD-S3	75	1,050
AMD-S4	75	1,410

ABM/ABX Series Mini Vacuum Generator



Model	Max.vacuum level(-kPa)	Max.vacuum flow(NL/min)
ABM5	85	37
ABM10	85	75
ABM20	85	150
ABM30	85	220
ABX5	92	32
ABX10	92	63
ABX20	92	125
ABX30	92	185

AMC Series Multistage Vacuum Generator



RoHS

Model	Max.vacuum level(-kPa)	Max.vacuum flow(NL/min)
AMC25L	75	360
AMC50L	75	710
AMC75L	75	1,050
AMC100L	75	1,410
AMC125L	75	1,500
AMC150L	75	1,690
AMC25H	95	354
AMC50H	95	700
AMC75H	95	980
AMC100H	95	1,380
AMC125H	95	1,480
AMC150H	95	1,650

ABM/ABX Series Mini Combined Type Vacuum Generator



Model	Max.vacuum level(-kPa)	Max.vacuum flow(NL/min)
ABM5×1	85	25
ABM10×1	85	32
ABX5×1	92	23
ABX10×1	92	32

AM/AL/AH Series Multistage Vacuum Generator



RoHS

Model	Max.vacuum level(-kPa)	Max.vacuum flow(NL/min)
AM25L	92	360
AM50L	92	600
AM75L	92	760
AM100L	92	850
AM125L	92	1,150
AM150L	92	1,200
AL25	81	360
AL50	81	640
AL75	81	850
AL100	81	990
AL125	81	1,170
AL150	81	1,230
AH40	99.8	150
AH120	100.8	530

AEVC Series Vacuum Generator with Fast Blow-off



Model	Max.vacuum level(-kPa)	Max.vacuum flow(NL/min)
AEVC10	85	35

Vacuum Generators

AM/AL Series Combined Type Multistage Vacuum Generator



RoHS

Model	Max.vacuum level(-kPa)	Max.vacuum flow(NL/min)
AM150M	89	1,880
AM200M	89	2,200
AM300M	89	3,150
AM400M	89	3,710
AM500M	89	4,570
AL150M	81	1,660
AL200M	81	1,950
AL300M	81	2,840
AL400M	81	3,340
AL500M	81	3,970

AZL Series Multistage Vacuum Generator



RoHS

Model	Max.vacuum level(-kPa)	Max.vacuum flow(NL/min)
AZL112	84	100
AZL212	84	200

ACPF Series Conveying Vacuum Generator



Model	Max.vacuum level(-kPa)	Max.vacuum flow(NL/min)
ACPF2-3	26	295
ACPF3-3	16	425
ACPF5-6	35	870
ACPF7-6	28	1,825
ACPF15-3	4.4	4,400
ACPF15-6	9	5,610

ACP Series Conveying Vacuum Generator



Model	Max.vacuum level(-kPa)	Max.vacuum flow(NL/min)
ACP250	84	125
ACP375	84	395
ACP500	84	650
ACP750	84	1,130

ACPS Series Conveying Vacuum Generator



Model	Max.vacuum level(-kPa)	Max.vacuum flow(NL/min)
ACPS10	12	550
ACPS20	4	1,375
ACPS40	2	2,250
ACPS75	1	8,640

ACV Series Basic Vacuum Generator



RoHS

Model	Max.vacuum level(-kPa)		Max.vacuum flow(NL/min)	
	HS	LS	HS	LS
ACV05	87	57	7	10
ACV10	90	57	27	36
ACV15	90	57	63	95
ACV20	90	57	110	170
ACV25	90	57	160	250
ACV30	90	57	225	350

AZH Series Basic Vacuum Generator Body Ported Type



RoHS

Model	Max.vacuum level(-kPa)		Max.vacuum flow(NL/min)	
	S	L	S	L
AZH05D	88	48	7.5	9
AZH07D	88	48	12	22
AZH10D	88	48	24	34
AZH13D	88	48	40	75
AZH15D	88	53	60	80
AZH18D	88	53	70	110
AZH20D	88	53	85	140

AZH Series Basic Vacuum Generator Box Type



RoHS

Model	Max.vacuum level(-kPa)		Max.vacuum flow(NL/min)	
	S	L	S	L
AZH05B	88	48	5	9
AZH07B	88	48	12	22
AZH10B	88	48	24	34
AZH13B	88	48	40	75

AZU Series Basic Vacuum Generator



RoHS

Model	Max.vacuum level(-kPa)	Max.vacuum flow(NL/min)
AZU05S	85	7
AZU07S	85	12
AZU05L	48	12
AZU07L	48	21

ASBP Series Basic Vacuum Generator



RoHS

Model	Max.vacuum level(-kPa)	Max.vacuum flow(NL/min)
ASBP10	85	38
ASBP15	85	72

APB Series High Pressure Vacuum Blower

NEW



Model	Max.vacuum level(-kPa)	Max.vacuum flow(m^3/h)
APB-420	48	87
APB-520	47	120
APB-620	46	165
APB-720	44	320
APB-820	40	520
APB-920	41	1,110

SBA Series
1.5 Bellows Suction Cup



RoHS

Model		Material/Hardness	
SBA6	SBA27	N - NBR	55
SBA11	SBA33	WS - White silicone	50
SBA14	SBA43	HD - High temp/Mark free	60
SBA16	SBA53	NR - Natural rubber	40
SBA20	SBA63		
SBA22	SBA78		
SBA25			

SFA Series
Flat Ultra-thin Lip Suction Cup



RoHS

Model	Material/Hardness	
SFA20	S - Silicone	40
SFA25		
SFA35		
SFA50		

STP Series
Ultra-thin Flower-Shaped Suction Cup



RoHS

Model	Material/Hardness	
STP35	S - Silicone	50
STP60	WS - White silicone	35

SOFA Series
Oval Flat Suction Cup



RoHS

Model	Material/Hardness	
SOFA6×18	N - NBR	55
	WS - White silicone	50

SBS Series
Suction Cup Special for Spherical Objects



RoHS

Model	Material/Hardness	
SBS30	S - Silicone	35
SBS33	WS - White silicone	50
SBS34	WSA - White silicone	30
SBS35		

SOM Series
Oval Flat Suction Cup Special for Long and Narrow Objects

NEW



Model	Material/Hardness	
SOM20×60U	U - PU	70
SOM30×80U		
SOM40×100U		

SFK Series
Flat Suction Cup Special for Rough Surface Objects

NEW



Model	Material/Hardness	
SFK110	E - EPDM	20
SFK160		
SFK200		
SFK250		

SFG Series
Flat Suction Cup for Glass Industry



RoHS

Model	Material/Hardness	
SFG125	E - EPDM	55
SFG150	HD - High temp /Mark free	60
SFG150H		
SFG200		
SFG250H		
SFG300H		
SFG350H		
SFG400		

SFU Series
Big Flat Suction Cup



RoHS

Model		Material/Hardness	
SFU100	SFU250	N - NBR	55
SFU125	SFU250H	WS - White silicone	60
SFU160	SFU300		
SFU210	SFU360H		
SFU210H	SFU400		

SFD Series
Flat Suction Cup for Wood Industry

NEW



RoHS

Model	Material/Hardness	
SFD40	N - NBR	55
SFD70	WS - White silicone	50
	NR - Natural rubber	40

SHT Series
High Temperature Suction Cup



Model	Connection thread
SHT35	G1/8 Female thread
SHT60	G1/4 Female thread
SHT90	

SP3 Series
Flat (U) Suction Cup

NEW



RoHS

Model	Material/Hardness	
SP3U1.5	N - NBR	55
SP3U2	WS - White silicone	50
SP3U3.5	CN - Conductive NBR	•55
	CS - Conductive silicone	•55

SP3 Series
Flat with Ribs(C)Suction Cup

NEW



RoHS

Model	Material/Hardness	
SP3C4	N - NBR	55
SP3C6	WS - White silicone	50
SP3C8	CN - Conductive NBR	•55
SP3C10	CS - Conductive silicone	•55
SP3C13	HP - Mark free rubber	55
SP3C16		

SP3 Series
1.5Bellows(B)Suction Cup

NEW



RoHS

Model	Material/Hardness	
SP3B4	N - NBR	55
SP3B6	WS - White silicone	50
SP3B8	CN - Conductive NBR	•55
SP3B10	CS - Conductive silicone	•55
SP3B13	HP - Mark free rubber	55
SP3B16		

SBB Series
1.5 Bellows Big Suction Cup



RoHS

Model	Material/Hardness	
SBB200	N - NBR	60
SBB250		
SBB300		

SU Series
Universal Flat Suction Cup



RoHS

Model		Material/Hardness	
SU6	SU25	N - NBR	55
SU8	SU30	S - Silicone	50
SU10	SU40	WS - White silicone	50
SU15	SU50	CS - Conductive silicone	•55
SU20	SU80		

SUF Series
Small Flat Suction Cup



RoHS

Model	Material/Hardness	
SUF3.5	N - NBR	55
SUF5.5	S - Silicone	50

SBF Series
1.5 Bellows Suction Cup
Special for Metal Sheet



Model	Material/Hardness	
SBF30	U - PU	70
SBF40		
SBF50		
SBF60		
SBF80		
SBF100		

SBOF Series
2.5 Bellows Oval
Suction Cup



Model	Material/Hardness	
SBOF35×28	V - Vinyl	55
SBOF45×28		

SFT Series
Flat Suction Cup Special
for Plastic Film and Paper



RoHS

Model	Material/Hardness	
SFT15	WS - White silicone	50
SFT20	HD - High temp/Mark free	60
SFT24	NR - Natural rubber	40
SFT30		
SFT34		
SFT35		
SFT40		

SBL Series
4.5 Bellows Suction Cup



RoHS

Model	Material/Hardness	
SBL15	N - NBR	55
SBL20	S - Silicone	50
SBL30	WS - White silicone	50
SBL40		
SBL50		

SBLP Series
Multiple Bellows Suction Cup
Special for Soft Packing Bags



RoHS

Model	Material/Hardness	
SBLP30	S - Silicone	40
SBLP40		
SBLP50		

SB Series
Universal Bellows
Suction Cup



RoHS

Model		Material/Hardness	
SB5	SB20	N - NBR	55
SB6	SB30	S - Silicone	50
SB8	SB40	WS - White silicone	50
SB10	SB50	CS - Conductive silicone	•55
SB12	SB75		
SB15	SB110		
SB17	SB150		

SFM Series
Flat Suction Cup Special for Oily Metal Sheet



Model		Material/Hardness	
SFM30	SFM80	U - PU	70
SFM40	SFM100		
SFM50	SFM120		
SFM60			

SDM Series
Flat Suction Cup Special for Metal Sheet



Model	Material/Hardness	
SDM100	U - PU	70

SF Series
Universal Flat Suction Cup



RoHS

Model		Material/Hardness	
SF15	SF75	N - NBR	55
SF20	SF110	S - Silicone	50
SF25	SF150	WS - White silicone	50
SF30	SF200	CS - Conductive silicone	55
SF40	SF300		
SF50			

SOB Series
Oval Bellows Suction Cup Special for Metal Sheet



RoHS

Model	Material/Hardness	
SOB30×60	N - NBR	60
SOB40×80		
SOB55×110		
SOB70×140		

STC Series
1.5 Bellows Suction Cup Special for Metal Sheet



RoHS

Model		Material/Hardness	
STC22	STC60	N - NBR	60
STC30	STC80		
STC40	STC100		
STC50	STC125		

SOF Series
Oval Flat Suction Cup Special for Metal Sheet



RoHS

Model		Material/Hardness	
SOF16×50	SOF40×110	N - NBR	60
SOF20×80	SOF50×100	NG - NBR	45
SOF23×60	SOF60×120		
SOF30×90	SOF70×140		
SOF40×80			

SFF Series
Flat Suction Cup Special for Metal Sheet



RoHS

Model		Material/Hardness	
SFF30	SFF80	N - NBR	60
SFF40	SFF100	NG - NBR	45
SFF50	SFF125		
SFF60			

SOG Series
Oval Flat Suction Cup Special for Cylindrical Objects



RoHS

Model	Material/Hardness	
SOG15×40	N - NBR	45
SOG35×100		

SFP Series
PU Flat Suction Cup



Model	Material/Hardness	
SFP20	U - PU	60
SFP30	UY - PU	40
SFP40		

SXP Series
PU Bellows Suction Cup



Model		Material/Hardness	
SXP20	SXP40	U - PU	60
SXP25	SXP50	UG - PU	55
SXP30	SXP70	UD - PU	30 60
SXP35			

SBP Series
PU Bellows Suction Cup



Model		Material/Hardness	
SBP10	SBP40	U - PU	60
SBP15	SBP50	UY - PU	40
SBP20	SBP70	UD - PU	30 60
SBP30			

SGP Series
PU Bellows Suction Cup



Model	Material/Hardness	
SGP25	U - PU	55
SGP35	UD - PU	30 55
SGP45		
SGP55		

SH Series Heavy Load Flat Suction Cup



RoHS

Model	Material/Hardness	
SH40	N - NBR	55
SH50	WS - White silicone	50
SH63		
SH80		
SH100		
SH125		

SAN Series Nozzle Type Suction Cup



RoHS

Model	Material/Hardness	
SAN0.8	N - NBR	55
SAN1.1	WS - White silicone	50
	CN - Conductive NBR	• 55
	CS - Conductive silicone	• 55

SHB Series Heavy Load Bellows Suction Cup



RoHS

Model	Material/Hardness	
SHB40	N - NBR	55
SHB50	WS - White silicone	50
SHB63		
SHB80		
SHB100		
SHB125		

SAO Series Oval Flat Suction Cup



RoHS

Model		Material/Hardness	
SAO3.5×7	SAO6×20	N - NBR	55
SAO4×10	SAO8×20	WS - White silicone	50
SAO5×10	SAO4×30	CN - Conductive NBR	• 55
SAO6×10	SAO5×30	CS - Conductive silicone	• 55
SAO4×20	SAO6×30		
SAO5×20	SAO8×30		

SZC Series Flat Type with Ribs Suction Cup



RoHS

Model		Material/Hardness	
SZC10	SZC25	N - NBR	50
SZC13	SZC32	WS - White silicone	45
SZC16	SZC40	CN - Conductive NBR	• 55
SZC20	SZC50	CS - Conductive silicone	• 55

SDL Series Annular Suction Cup



RoHS

Model	Material/Hardness	
SDL100	N - NBR	55

SZB Series Bellows Suction Cup



RoHS

Model		Material/Hardness	
SZB6	SZB20	N - NBR	50
SZB8	SZB25	WS - White silicone	45
SZB10	SZB32	CN - Conductive NBR	• 55
SZB13	SZB40	CS - Conductive silicone	• 55
SZB16	SZB50	HP - Mark free rubber	50

SPF Series Flat Suction Cup



RoHS

Model			Material/Hardness	
SPF2	SPF20	SPF60	N - NBR	55
SPF3.5	SPF25	SPF80	WS - White silicone	50
SPF5	SPF30	SPF95	CN - Conductive NBR	• 55
SPF6	SPF35	SPF120	CS - Conductive silicone	• 55
SPF8	SPF40	SPF150		
SPF10	SPF50	SPF200		
SPF15				

SZU Series Flat Type Suction Cup



RoHS

Model		Material/Hardness	
SZU2	SZU16	N - NBR	50
SZU4	SZU20	WS - White silicone	45
SZU6	SZU25	CN - Conductive NBR	• 55
SZU8	SZU32	CS - Conductive silicone	• 55
SZU10	SZU40	HP - Mark free rubber	50
SZU13	SZU50		

SPJ Series Bellows Suction Cup



RoHS

Model		Material/Hardness	
SPJ4	SPJ30	N - NBR	55
SPJ6	SPJ35	WS - White silicone	50
SPJ8	SPJ40	CN - Conductive NBR	• 55
SPJ10	SPJ50	CS - Conductive silicone	• 55
SPJ15	SPJ60	HP - Mark free rubber	55
SPJ20	SPJ70		
SPJ25	SPJ80		

SZD Series Deep Type Suction Cup



RoHS

Model	Material/Hardness	
SZD10	N - NBR	50
SZD16	WS - White silicone	30
SZD25		
SZD40		

SPU Series Swivel Flat Suction Cup



RoHS

Model		Material/Hardness	
SPU10	SPU40	N - NBR	55
SPU15	SPU50	WS - White silicone	50
SPU20	SPU60		
SPU25	SPU80		
SPU30	SPU100		
SPU35			

Suction Cups

SPA Series Thin Lip Flat Suction Cup



RoHS

Model	Material/Hardness	
SPA10A SPA20B	N - NBR	55
SPA10B SPA25A	WS - White silicone	50
SPA15A SPA30A	CN - Conductive NBR	55
SPA15B SPA30B	CS - Conductive silicone	55
SPA15D SPA40A		
SPA15X SPA50A		
SPA20A		

SPC Series Bellows Suction Cup



RoHS

Model	Material/Hardness	
SPC3 SPC20	N - NBR	55
SPC5 SPC25	WS - White silicone	50
SPC7 SPC30	CN - Conductive NBR	55
SPC10 SPC40	CS - Conductive silicone	55
SPC12 SPC60		
SPC15 SPC90		
SPC18		

SNP Series Rectangular Foam Rubber Cup



Model	Material/Hardness	
SNP50×135	NF - Neoprene foam rubber	
SNP60×135	OF - Geranium foam rubber	
SNP75×107		
SNP68×290		
SNP140×290		

SOP Series Circular Foam Rubber Cup



Model	Material/Hardness	
SOP40 SOP127	NF - Neoprene foam rubber	
SOP64 SOP180	OF - Geranium foam rubber	
SOP92 SOP220		

Special Vacuum Grippers

SLG Series Magnetic Gripper

NEW



Model	Connection thread	Air supply pressure range(bar)
SLG20 SLG30-H	G1/8 female	3.5~6.0
SLG30 SLG40-H	G1/4 female	
SLG40 SLG50-H		
SLG50		

SNC Series Needle Gripper

NEW



Model	Air consumption (NL/min)	Air supply pressure range(bar)
SNC4	55	4.0~6.0
SNC10	65	4.0~6.0

SNT Series Non-contact Suction Cup



Model	Body material	Cusion material
SNT20 SNT60	Aluminum alloy	N - NBR
SNT30 SNT100		PK - PEEK
SNT40 SNT120		

SLB Series Thin Lip Flow Gripper



Model	Max. Vacuum level(-kPa)	Max. Vacuum flow(NL/min)
SLB30-M10	16	680-690
SLB50-M10	16	680-690
SLB50-M20	4.5	1,070-1,315

SLP Series Flow Gripper



Model	Max. Vacuum level(-kPa)	Max. Vacuum flow(NL/min)
SLP40-M10	11	320-450
SLP60-M10	11	330-550
SLP60-M20	4.5	970-1,195

SLW Series Wafer Gripper



Model	Max. Vacuum level(-kPa)	Max. Vacuum flow(NL/min)
SLW100-M10	11	330-460
SLW115-M10	11	400-430
SLW146-M10	11	410-440
SLW170-M10	11	350-490
SLW120-M15	4.5	370-460
SLW150-M15	4.5	370-460
SLW180-M15	4.5	370-460

SLF Series Matrix Gripper



Model	Vacuum source
SLF140	External blower
SLF180	
SLF140W	External large flow
SLF180W	vacuum generator

SLF Series Matrix Gripper



Model	Max. Vacuum level(-kPa)	Max. Vacuum flow(NL/min)
SLF180X	80	250
SLF180S	58	242

Vacuum Grippers

TXN Series Vacuum Gripper-Mini Type



Model	Vacuum type
TXN22×38-A	Without vacuum generator
TXN22×76-A	Without vacuum generator



Model	Max. Vacuum level(-kPa)	Max. Vacuum flow(NL/min)
TXN15×76-B	85	40
TXN15×90-B	88	140
TXN27×90-B	88	140



Model	Max. Vacuum level(-kPa)	Max. Vacuum flow(NL/min)
TXN60×120-A	85	150

TXD Series Vacuum Gripper-Light Load Type



Model	Max. Vacuum level(-kPa)	Max. Vacuum flow(NL/min)
TXD80	H - 95	H - 170
TXD100	L - 75	L - 180
TXD120		

TXP Series Vacuum Gripper-Oval Shaped



Model	Vacuum source
TXP190×290-A	External blower
TXP230×380-A	External blower

TXH Series Vacuum Gripper-Heavy Load Type



Model	Adsorbing surface type	Vacuum source
TXH500×700	A - Sponge	Vacuum generator
TXH800×1000	B - Suction cup	External blower
TXH1100×1300		

TXL Series Vacuum Gripper-Combined Type



Model	Adsorbing surface type	Vacuum source
TXL200×300	A - Sponge	Vacuum generator
TXL200×400	B - Suction cup	External blower
TXL300×300		
TXL300×400		

TXC Series Vacuum Gripper-Vacuum Generator Type



Model	Adsorbing surface type	Max. Vacuum flow(NL/min)
TXC130×400	A - Sponge	710
TXC130×600	B - Suction cup	1,050
TXC130×800		1,410
TXC130×1000		1,760
TXC130×1200		2,100
TXC130×1400		2,460

TXM Series Vacuum Gripper-Blower type



Model	Adsorbing surface type	Vacuum source
TXM130×400	A - Sponge	External blower
TXM130×600	B - Suction cup	
TXM130×800		
TXM130×1000		
TXM130×1200		
TXM130×1400		

Mounting Parts

PSPD Series Double Spring Heavy-duty Type Level Compensator



Model	Buffer Stroke (mm)	Mounting thread
PSPD-E25G2M-M20	25	M20
PSPD-E50G2M-M20	50	M30
PSPD-E50G3M-M30	90	
PSPD-E90G4M-M30		

PJE Series Universal Mounting Parts-Flexible Joint



Model	Max.deflection
PJE-G2F-M10M	12°
PJE-G2F-G2M	
PJE-G2M-G2M	
PJE-G4F-G4M	
PJE-G4M-G4M	

PSPE Series Small and Light Level Compensator



Model	Buffer Stroke (mm)	Mounting thread
PSPE-I6LA6M5M-M8	6 25	M8
PSPE-I6BA6M5M-M8	10 30	M10
PSPE-I10M5M-M10	15 40	M14
PSPE-I10RM5M-M10	20 50	
PSPE-I10M8M-M14		

PSPH Series Heavy-duty Type Level Compensator



Model	Buffer Stroke (mm)	Mounting thread
PSPH-E25G2M-M20	25	M20
PSPH-E50G2M-M20	50	M30
PSPH-E25G3M-M30	75	
PSPH-E50G3M-M30	90	
PSPH-E75G4M-M30		
PSPH-E90G4M-M30		

PSPT Series Universal Level Compensator



Model	Buffer Stroke (mm)	Mounting thread
PSPT-I10G1M-M16	10	M16
PSPT-I10G2M-M18	20	M18
PSPT-I10G2F-M18	30	
PSPT-I10G3M-M18	50	
PSPT-I10G3F-M18		
PSPT-E60G2M-M18	60 75	M18
PSPT-E60G3M-M18	90 110	

PJS Series Fitting for Suction Cup



Model	Suction cup connection	Special Specification
PJS-G1M-SF1	SF(1-3)	EW - Built-in mesh filter
PJS-G1F-SF1	SC(1-6)	EH - Built-in mesh filter+ Throttle valve
PJS-M5M-SC2	ST(1-8)	
PJS-M5M-ST2		

PSPF Series Compact Level Compensator



Model	Buffer Stroke (mm)	Mounting thread
PSPF-E4B6M5F-M11	4	M11
PSPF-E4LB6M5F-M11	6	M14
PSPF-E6B6M5F-M14	10	M16
PSPF-E6LB6M5F-M14	15	
PSPF-E6B6M8-M14	30	
PSPF-E6LB6M8-M14		
PSPF-E10LR1M10M-M16		

PJT Series Universal Mounting Parts-Adapter



Equal diameter double thread model	Different diameter male and male thread model	Different diameter female and male thread model
PJT-M5F	PJT-M5M-M8M	PJT-M5M-M8F
PJT-G1F	PJT-G1M-G2M	PJT-G1M-G2F
PJT-M5M	PJT-G2M-G3M	PJT-G2M-G3F
PJT-G1M	PJT-G3M-G4M	PJT-G3M-G4F

PSPL Series Retractive Level Compensator

NEW



Model	Buffer Stroke (mm)	Mounting thread
PSPL-I10M5F-M10	10	M10
PSPL-I15M5F-M10	15	
PSPL-I20M5F-M10	20	

PJH Series Universal Mounting Parts-Universal Holder



Model	Length of connecting rod	Max. deflection
PJH-1A80	80	15°
PJH-2A80	100	
PJH-1B80	140	
PJH-2B80	200	

PJF Series Universal Mounting Parts-Locking Fitting



Model	Connection thread
PJF-LB6-M6F-M5F	A - One-touch fitting
PJF-A4-M12M-M5F	B - Pagoda fitting
PJF-A6-M14M-M8F	R1 - Rc1/8 inside tapered thread
PJF-B6-M8M-M5F	LB - Horizontal, Pagoda fitting
PJF-B6-M10M-M8F	LR1- Horizontal, Rc1/8 inside tapered thread
PJF-R1-M16M-G2F	
PJF-LR1-M10F-G2F	

PJB Series Universal Mounting Parts-Ball Joint



Model		Max. deflection
PJB-M10M	PJB-G1M-S	12°
PJB-G1M	PJB-G4M-S	
PJB-G2M		
PJB-G4M		

PTK Series Stainless Steel Hose Clamp

NEW



Model	Width mm	Thickness mm
PTK-18-32 PTK-40-64	12	0.68
PTK-21-38 PTK-44-67		
PTK-21-44 PTK-46-70		
PTK-27-51 PTK-52-76		
PTK-33-57		

PDA Series Universal Block Plug

NEW



Countersunk head seal	Horizontal seal	Connection thread
PDA-I-M5M	PDA-L-M5M	M5M
PDA-I-G1M	PDA-L-G1M	G1M
PDA-I-G2M	PDA-L-G2M	G2M
PDA-I-G3M	PDA-L-G3M	G3M
PDA-I-G4M	PDA-L-G4M	G4M

PTS Series PVC Transparent Steel Wire Hose

NEW



Model	Inner diameter mm	Working pressure range(bar)
PTS	19 25 32 40 45 50 60 65 70 75	0.2~7.0

PDR Series Positive Pressure/ Vacuum Shunt

NEW



Model	Branching port quantity	Connection thread
PDR-G2F-5-G1F	5 branching ports	G2F
PDR-G3F-5-G2F	9 branching ports	G3F
PDR-G2F-9-G1F		
PDR-G3F-9-G2F		

Mounting Parts

PJP Series
Universal One-touch Fitting

NEW



Model	Hose specification	Connection thread
PJP-I	ϕ4	M5×0.8Male thread
PJP-L	ϕ6	G1/8 Male thread
PJP-LT	ϕ8	G1/4 Male thread
PJP-T	ϕ10	G3/8 Male thread
PJP-QT	ϕ12	G1/2 Male thread
	ϕ14	

PJQ Series
Universal Pagoda Fitting

NEW



Model	Hose specification	Connection thread
PJQ-B6-M5M	ϕ6	M5×0.8 male thread
PJQ-B8-G1M	ϕ8	G1/8 male thread
PJQ-B10-G2M	ϕ10	G1/4 male thread
PJQ-B12-G3M	ϕ12	G3/8 male thread
PJQ-B19-G4M	ϕ19	G1/2 male thread
PJQ-B19-G6M	ϕ19	G3/4 male thread
PJQ-B25-G6M	ϕ25	G1 male thread
PJQ-B25-G8M	ϕ25	
PJQ-B32-G8M	ϕ32	

Vacuum Accessories

ZFA Series
Universal Vacuum Filter



RoHS

Model	Operating pressure range(MPa)	Flow(NL/min) Positive pressure	Vacuum
ZFA54B	-0.1~0.8	40	10
ZFA56B	-0.1~0.8	130	75
ZFA76B	-0.1~0.8	140	80
ZFA78B	-0.1~0.8	280	110
ZFA710B	-0.1~0.8	320	120
ZFA712B	-0.1~0.8	370	140

ZFE Series
Small Vacuum Filter



Model	Operating pressure range(kPa)	Nominal flow (NL/min)
ZFE-02B	-100~0.0	2
ZFE-03B		7
ZFE-04B		10

ZFD Series
Mini Type Vacuum Filter

NEW



Model	Operating pressure range(kPa)	Nominal flow (NL/min)
ZFD04	-100.0-0.0	27
ZFD06	-100.0-0.0	49

ZVD Series
Touch Valve

NEW



Model	Start-up elasticity N
ZVD-G2M	5
ZVD-G4M	6.6

ZFL Series
Inline Vacuum Filter



Model	Operating pressure range(kPa)	Nominal flow (NL/min)
ZFL06	-100.0-0.0	25
ZFL10	-100.0-0.0	220

ZVRM Series
Check Valve



Model	Overflow port diameter(mm)
ZVRM03-M5M	ϕ0.3
ZVRM05-M5M	ϕ0.5
ZVRM07-M5M	ϕ0.7
ZVRM05-G1M	ϕ0.5
ZVRM07-G1M	ϕ0.7
ZVRM10-G1M	ϕ1.0

ZVAA Series
Pneumatic Control Valve



Model	Air supply pressure(bar)	Output function
ZVAA-G1F	3.5~7.0	NO
ZVAA-G2F	3.5~7.0	NO

ZVCM Series
Check Valve



Model	Connection thread to vacuum generator
ZVCM-M5F	M5 Female thread
ZVCM-G1F	G1/8 Female thread

ZVEA Series Electric Control Valve



Model	Air supply pressure(bar)	Output function
ZVEA-G1F	3.5~7.0	NC
ZVEA-G2F	3.5~7.0	NC

ZVAC Series Pneumatic Control Valve



Model	Air supply pressure(bar)	Control mode
ZVAC-NO	1.0~8.0	Pneumatic control

ZVAB Series Pneumatic Control Valve



Model	Air supply pressure(bar)	Signal range(-kPa)
ZVAB-NC	1.5~8.0	15~95
ZVAB-NO	1.5~8.0	10~95

ZVR Series Check Valve



Model		Overflow port diameter(mm)
ZVR04-M5F	ZVR04-M5M	ϕ0.4
ZVR05-G1F	ZVR05-G1M	ϕ0.5
ZVR06-G2F	ZVR06-G2M	ϕ0.6
ZVR10-G3F	ZVR10-G3M	ϕ1.0
ZVR12-G4F	ZVR12-G4M	ϕ1.2

ZVT Series Throttle Valve



Model		Overflow port diameter(mm)
ZVT25-G1M	-	ϕ0.25
ZVT40-G1M	ZVT40-G2M	ϕ0.4
ZVT60-G1M	ZVT60-G2M	ϕ0.6
ZVT80-G1M	ZVT80-G2M	ϕ0.8
ZVT100-G1M	ZVT100-G2M	ϕ1.0
ZVT120-G1M	ZVT120-G2M	ϕ1.2
-	ZVT150-G2M	ϕ1.5
-	ZVT200-G2M	ϕ2.0

ZPDT Series High-Precision Digital Pressure Switch



Model
ZPDT-CNV-R1M
ZPDT-CPV-R1M
ZPDT-PNV-R1M
ZPDT-PPV-R1M

Pressure type
C - Compound (-100.0~100.0kPa)
P - Positive (-0.100~1.000MPa)

Output type
NV - 1NPN+1Analog voltage output (1-5V)
PV - 1PNP+1Analog voltage output (1-5V)

ZFB Series Universal Vacuum Filter



Model	Operating pressure range(kPa)	Nominal flow(NL/min)
ZFB10B	-100.0~0.0	150
ZFB15B	-100.0~0.0	900
ZFB20B	-100.0~0.0	900
ZFB25B	-100.0~0.0	2,520
ZFB40B	-100.0~0.0	5,100

ZFP Series Big Flow Vacuum Filter



Model	Operating pressure range(kPa)	Nominal flow(m^3/H)
ZFP30	-100.0~0.0	32
ZFP40	-100.0~0.0	42
ZFP100	-100.0~0.0	100
ZFP120	-100.0~0.0	120
ZFP300	-100.0~0.0	300

ZPMR Series Mechanical Pressure Gauge



Model	Pressure range	Connection Thread
ZPMR-P	0~1MPa	NPT1/8 Male thread
ZPMR-V	-100~0kPa	G1/8 Male thread

ZVS Series Fast Blow-off Valve



Model	Air supply pressure range(bar)	Air supply port connection thread
ZVS-G1F	3.0~7.0bar	G1/8 Female thread
ZVS-G2F	3.0~7.0bar	G1/4 Female thread

ZSA Series Silencer



Model	Connection Thread
ZSA-G1M	G1M - G1/8 Male thread
ZSA-G2M	G2M - G1/4 Male thread
ZSA-G3M	G3M - G3/8 Male thread
ZSA-G4M	G4M - G1/2 Male thread
ZSA-G6M	G6M - G3/4 Male thread
ZSA-G8M	G8M - G1" Male thread

ZPDE Series High-Precision Digital Pressure Switch



Model
ZPDE-CN-R1M
ZPDE-PN-R1M

Pressure type
C - Compound (-100.0~100.0kPa)
P - Positive (-0.100~1.000MPa)

Output type
N - 1NPN