



VACUUM GENERATORS VACUUM SUCTION CUPS VACUUM GRIPPERS



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

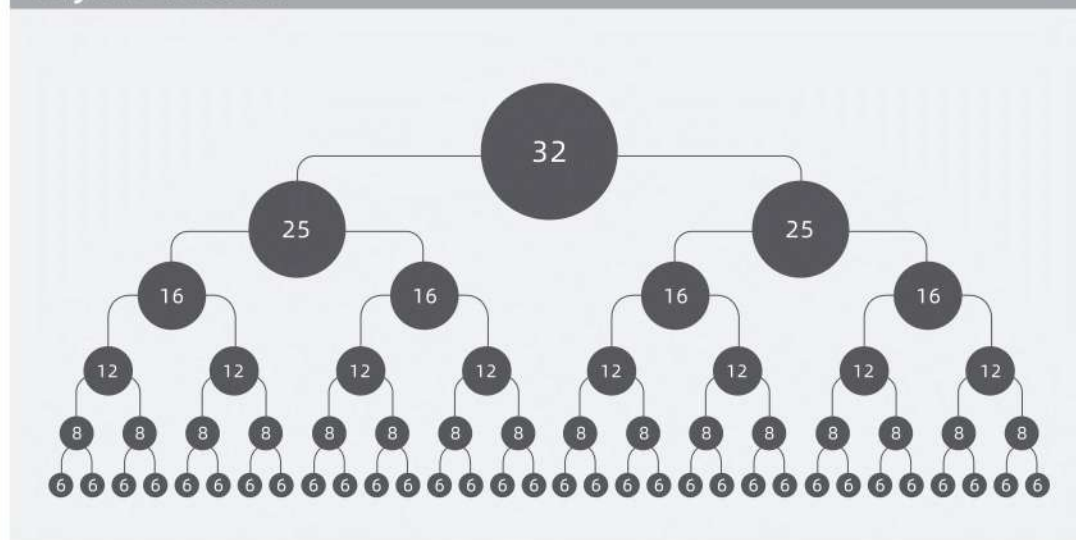
	mbar	kPa	-kPa	%vacuum	torr	-mmHg	-inHg
Atmospheric pressure	1,013	101.3	0	0	760	0	0
	913	91.3	10	9.9	685	75	3
	813	81.3	20	19.7	610	150	6
	713	71.3	30	29.6	535	225	9
	613	61.3	40	39.5	460	300	12
	513	51.3	50	49.3	385	375	15
	413	41.3	60	59.2	310	450	18
	313	31.3	70	69.1	235	525	21
	213	21.3	80	79	160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

AZK Series Integrated Vacuum Generator  	<table> <tr> <th>Model</th><th>Max.vacuum level(-kPa)</th><th>Max.vacuum flow(NL/min)</th></tr> <tr> <td>AZK-S</td><td>74</td><td>44</td></tr> <tr> <td>AZK-X</td><td>91</td><td>41</td></tr> <tr> <td>AZK-P</td><td>88</td><td>40</td></tr> <tr> <td>AZK-L</td><td>90</td><td>68</td></tr> </table>	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	AGS Series Vacuum Generator C type  <table> <tr> <th>Model</th><th>Max.vacuum level(-kPa)</th><th>Max.vacuum flow(NL/min)</th></tr> <tr> <td>AGS-C-S02-2</td><td>75</td><td>16.8</td></tr> <tr> <td>AGS-C-X2.5-2</td><td>90</td><td>17.2</td></tr> <tr> <td>AGS-C-T05-2</td><td>84</td><td>19.5</td></tr> </table>	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									
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AZX Series Large Flow Integrated Vacuum Generator 	<table> <tr> <th>Model</th><th>Max.vacuum level(-kPa)</th><th>Max.vacuum flow(NL/min)</th></tr> <tr> <td>AZX20</td><td>85</td><td>150</td></tr> <tr> <td>AZX30</td><td>85</td><td>220</td></tr> </table>	Model	Max.vacuum level(-kPa)	Max.vacuum flow(NL/min)	AZX20	85	150	AZX30	85	220	N type  <table> <tr> <th>Model</th><th>Max.vacuum level(-kPa)</th><th>Max.vacuum flow(NL/min)</th></tr> <tr> <td>AGS-N-S08-2</td><td>75</td><td>46</td></tr> <tr> <td>AGS-N-S08-3</td><td>75</td><td>68</td></tr> <tr> <td>AGS-N-X10-2</td><td>93</td><td>44</td></tr> <tr> <td>AGS-N-X10-3</td><td>93</td><td>68</td></tr> <tr> <td>AGS-N-P12-2</td><td>90</td><td>42</td></tr> <tr> <td>AGS-N-P12-3</td><td>90</td><td>68</td></tr> <tr> <td>AGS-N-D16-2</td><td>72</td><td>40</td></tr> </table>	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			
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AZD Series Energy-saving Vacuum Generator 	<table> <tr> <th>Model</th><th>Max.vacuum level(-kPa)</th><th>Max.vacuum flow(NL/min)</th></tr> <tr> <td>AZD20</td><td>83</td><td>130</td></tr> </table>	Model	Max.vacuum level(-kPa)	Max.vacuum flow(NL/min)	AZD20	83	130	D type  <table> <tr> <th>Model</th><th>Max.vacuum level(-kPa)</th><th>Max.vacuum flow(NL/min)</th></tr> <tr> <td>AGS-D-S32-2</td><td>75</td><td>178</td></tr> <tr> <td>AGS-D-S32-3</td><td>75</td><td>360</td></tr> <tr> <td>AGS-D-X40-2</td><td>95</td><td>170</td></tr> <tr> <td>AGS-D-X40-3</td><td>95</td><td>372</td></tr> </table>	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															
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AGE Series Mechanical Energy-saving Vacuum Generator 	<table> <tr> <th>Model</th><th>Max.vacuum level(-kPa)</th><th>Max.vacuum flow(NL/min)</th></tr> <tr> <td>AGE</td><td>92</td><td>41</td></tr> </table>	Model	Max.vacuum level(-kPa)	Max.vacuum flow(NL/min)	AGE	92	41	AGB Series Vacuum Generator  <table> <tr> <th>Model</th><th>Max.vacuum level(-kPa)</th><th>Max.vacuum flow(NL/min)</th></tr> <tr> <td>AGB-S02-2</td><td>75</td><td>16.8</td></tr> <tr> <td>AGB-X2.5-2</td><td>90</td><td>17.2</td></tr> <tr> <td>AGB-T05-2</td><td>84</td><td>19.5</td></tr> </table>	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																		
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AGX Series Vacuum Generator 	<table><tr><th>Model</th><th>Max.vacuum level(-kPa)</th><th>Max.vacuum flow(NL/min)</th></tr><tr><td>AGX-S32-3</td><td>75</td><td>390</td></tr><tr><td>AGX-X40-3</td><td>95</td><td>380</td></tr></table>	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 	<table><tr><th>Model</th><th>Max.vacuum level(-kPa)</th><th>Max.vacuum flow(NL/min)</th></tr><tr><td>ALS-M5F</td><td>85</td><td>14.4</td></tr><tr><td>ALS-G1F</td><td>85</td><td>14.4</td></tr><tr><td>ALS-G2F</td><td>85</td><td>14.4</td></tr></table>	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																																	
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AZW Series Large Flow Integrated Vacuum Generator NEW 	<table><tr><th>Model</th><th>Max.vacuum level(-kPa)</th><th>Max.vacuum flow(NL/min)</th></tr><tr><td>AZW</td><td>95</td><td>140</td></tr></table>	Model	Max.vacuum level(-kPa)	Max.vacuum flow(NL/min)	AZW	95	140	AZR Series Mini Vacuum Generator with Fast Blow-off 	<table><tr><th>Model</th><th>Max.vacuum level(-kPa)</th><th>Max.vacuum flow(NL/min)</th></tr><tr><td>AZR05H</td><td>88</td><td>7.0</td></tr><tr><td>AZR07H</td><td>88</td><td>12.5</td></tr><tr><td>AZR05L</td><td>58</td><td>12.0</td></tr><tr><td>AZR07L</td><td>58</td><td>20.0</td></tr></table>	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																																	
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AMD Series Large Flow Vacuum Generator NEW 	<table><tr><th>Model</th><th>Max.vacuum level(-kPa)</th><th>Max.vacuum flow(NL/min)</th></tr><tr><td>AMD-X1</td><td>95</td><td>354</td></tr><tr><td>AMD-X2</td><td>95</td><td>700</td></tr><tr><td>AMD-X3</td><td>95</td><td>980</td></tr><tr><td>AMD-X4</td><td>95</td><td>1,380</td></tr><tr><td>AMD-S1</td><td>75</td><td>360</td></tr><tr><td>AMD-S2</td><td>75</td><td>710</td></tr><tr><td>AMD-S3</td><td>75</td><td>1,050</td></tr><tr><td>AMD-S4</td><td>75</td><td>1,410</td></tr></table>	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 	<table><tr><th>Model</th><th>Max.vacuum level(-kPa)</th><th>Max.vacuum flow(NL/min)</th></tr><tr><td>ABM5</td><td>85</td><td>37</td></tr><tr><td>ABM10</td><td>85</td><td>75</td></tr><tr><td>ABM20</td><td>85</td><td>150</td></tr><tr><td>ABM30</td><td>85</td><td>220</td></tr><tr><td>ABX5</td><td>92</td><td>32</td></tr><tr><td>ABX10</td><td>92</td><td>63</td></tr><tr><td>ABX20</td><td>92</td><td>125</td></tr><tr><td>ABX30</td><td>92</td><td>185</td></tr></table>	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
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AMC Series Multistage Vacuum Generator  RoHS	<table><tr><th>Model</th><th>Max.vacuum level(-kPa)</th><th>Max.vacuum flow(NL/min)</th></tr><tr><td>AMC25L</td><td>75</td><td>360</td></tr><tr><td>AMC50L</td><td>75</td><td>710</td></tr><tr><td>AMC75L</td><td>75</td><td>1,050</td></tr><tr><td>AMC100L</td><td>75</td><td>1,410</td></tr><tr><td>AMC125L</td><td>75</td><td>1,500</td></tr><tr><td>AMC150L</td><td>75</td><td>1,690</td></tr><tr><td>AMC25H</td><td>95</td><td>354</td></tr><tr><td>AMC50H</td><td>95</td><td>700</td></tr><tr><td>AMC75H</td><td>95</td><td>980</td></tr><tr><td>AMC100H</td><td>95</td><td>1,380</td></tr><tr><td>AMC125H</td><td>95</td><td>1,480</td></tr><tr><td>AMC150H</td><td>95</td><td>1,650</td></tr></table>	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 	<table><tr><th>Model</th><th>Max.vacuum level(-kPa)</th><th>Max.vacuum flow(NL/min)</th></tr><tr><td>ABM5×1</td><td>85</td><td>25</td></tr><tr><td>ABM10×1</td><td>85</td><td>32</td></tr><tr><td>ABX5×1</td><td>92</td><td>23</td></tr><tr><td>ABX10×1</td><td>92</td><td>32</td></tr></table>	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
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AEVC Series Vacuum Generator with Fast Blow-off 	<table><tr><th>Model</th><th>Max.vacuum level(-kPa)</th><th>Max.vacuum flow(NL/min)</th></tr><tr><td>AEVC10</td><td>85</td><td>35</td></tr></table>	Model	Max.vacuum level(-kPa)	Max.vacuum flow(NL/min)	AEVC10	85	35	AM/AL/AH Series Multistage Vacuum Generator  RoHS	<table><tr><th>Model</th><th>Max.vacuum level(-kPa)</th><th>Max.vacuum flow(NL/min)</th></tr><tr><td>AM25L</td><td>92</td><td>360</td></tr><tr><td>AM50L</td><td>92</td><td>600</td></tr><tr><td>AM75L</td><td>92</td><td>760</td></tr><tr><td>AM100L</td><td>92</td><td>850</td></tr><tr><td>AM125L</td><td>92</td><td>1,150</td></tr><tr><td>AM150L</td><td>92</td><td>1,200</td></tr><tr><td>AL25</td><td>81</td><td>360</td></tr><tr><td>AL50</td><td>81</td><td>640</td></tr><tr><td>AL75</td><td>81</td><td>850</td></tr><tr><td>AL100</td><td>81</td><td>990</td></tr><tr><td>AL125</td><td>81</td><td>1,170</td></tr><tr><td>AL150</td><td>81</td><td>1,230</td></tr><tr><td>AH40</td><td>99.8</td><td>150</td></tr><tr><td>AH120</td><td>100.8</td><td>530</td></tr></table>	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			
Model	Max.vacuum level(-kPa)	Max.vacuum flow(NL/min)																																																							
AEVC10	85	35																																																							
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																																																							

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)
AZL112		84	100
AZL212		84	200
ACPF Series Conveying Vacuum Generator  RoHS	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  RoHS	Model	Max.vacuum level(-kPa)	Max.vacuum flow(NL/min)
	ACP250	84	125
	ACP375	84	395
	ACP500	84	650
ACPS Series Conveying Vacuum Generator  RoHS	Model	Max.vacuum level(-kPa)	Max.vacuum flow(NL/min)
	ACPS10	12	550
	ACPS20	4	1,375
	ACPS40	2	2,250
ACPS75 RoHS	1	8,640	
ACV Series Basic Vacuum Generator  RoHS	Model	Max.vacuum level(-kPa) HS LS	Max.vacuum flow(NL/min) 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) S L	Max.vacuum flow(NL/min) 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) S L	Max.vacuum flow(NL/min) S L
	AZH05B	88 48	5 9
	AZH07B	88 48	12 22
	AZH10B	88 48	24 34
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
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(m³/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	<table><tr><th>Model</th><th>Material/Hardness</th></tr><tr><td>SBA6 SBA27</td><td>N - NBR 55</td></tr><tr><td>SBA11 SBA33</td><td>WS - White silicone 50</td></tr><tr><td>SBA14 SBA43</td><td>HD - High temp/Mark free 60</td></tr><tr><td>SBA16 SBA53</td><td>NR - Natural rubber 40</td></tr><tr><td>SBA20 SBA63</td><td></td></tr><tr><td>SBA22 SBA78</td><td></td></tr><tr><td>SBA25</td><td></td></tr></table>	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		SFK Series Flat Suction Cup Special for Rough Surface Objects NEW  RoHS	<table><tr><th>Model</th><th>Material/Hardness</th></tr><tr><td>SFK110</td><td>E - EPDM 20</td></tr><tr><td>SFK160</td><td></td></tr><tr><td>SFK200</td><td></td></tr><tr><td>SFK250</td><td></td></tr></table>	Model	Material/Hardness	SFK110	E - EPDM 20	SFK160		SFK200		SFK250			
Model	Material/Hardness																														
SBA6 SBA27	N - NBR 55																														
SBA11 SBA33	WS - White silicone 50																														
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Model	Material/Hardness																														
SFK110	E - EPDM 20																														
SFK160																															
SFK200																															
SFK250																															
SFA Series Flat Ultra-thin Lip Suction Cup  RoHS	<table><tr><th>Model</th><th>Material/Hardness</th></tr><tr><td>SFA20</td><td>S - Silicone 40</td></tr><tr><td>SFA25</td><td></td></tr><tr><td>SFA35</td><td></td></tr><tr><td>SFA50</td><td></td></tr></table>	Model	Material/Hardness	SFA20	S - Silicone 40	SFA25		SFA35		SFA50		SFG Series Flat Suction Cup for Glass Industry  RoHS	<table><tr><th>Model</th><th>Material/Hardness</th></tr><tr><td>SFG125</td><td>E - EPDM 55</td></tr><tr><td>SFG150</td><td>HD - High temp 60</td></tr><tr><td>SFG150H</td><td>/Mark free</td></tr><tr><td>SFG200</td><td></td></tr><tr><td>SFG250H</td><td></td></tr><tr><td>SFG300H</td><td></td></tr><tr><td>SFG350H</td><td></td></tr><tr><td>SFG400</td><td></td></tr></table>	Model	Material/Hardness	SFG125	E - EPDM 55	SFG150	HD - High temp 60	SFG150H	/Mark free	SFG200		SFG250H		SFG300H		SFG350H		SFG400	
Model	Material/Hardness																														
SFA20	S - Silicone 40																														
SFA25																															
SFA35																															
SFA50																															
Model	Material/Hardness																														
SFG125	E - EPDM 55																														
SFG150	HD - High temp 60																														
SFG150H	/Mark free																														
SFG200																															
SFG250H																															
SFG300H																															
SFG350H																															
SFG400																															
STP Series Ultra-thin Flower-Shaped Suction Cup  RoHS	<table><tr><th>Model</th><th>Material/Hardness</th></tr><tr><td>STP35</td><td>S - Silicone 50</td></tr><tr><td>STP60</td><td>WS - White silicone 35</td></tr></table>	Model	Material/Hardness	STP35	S - Silicone 50	STP60	WS - White silicone 35	SFU Series Big Flat Suction Cup  RoHS	<table><tr><th>Model</th><th>Material/Hardness</th></tr><tr><td>SFU100 SFU250</td><td>N - NBR 55</td></tr><tr><td>SFU125 SFU250H</td><td>WS - White silicone 60</td></tr><tr><td>SFU160 SFU300</td><td></td></tr><tr><td>SFU210 SFU360H</td><td></td></tr><tr><td>SFU210H SFU400</td><td></td></tr></table>	Model	Material/Hardness	SFU100 SFU250	N - NBR 55	SFU125 SFU250H	WS - White silicone 60	SFU160 SFU300		SFU210 SFU360H		SFU210H SFU400											
Model	Material/Hardness																														
STP35	S - Silicone 50																														
STP60	WS - White silicone 35																														
Model	Material/Hardness																														
SFU100 SFU250	N - NBR 55																														
SFU125 SFU250H	WS - White silicone 60																														
SFU160 SFU300																															
SFU210 SFU360H																															
SFU210H SFU400																															
SOFA Series Oval Flat Suction Cup  RoHS	<table><tr><th>Model</th><th>Material/Hardness</th></tr><tr><td>SOFA6×18</td><td>N - NBR 55</td></tr><tr><td></td><td>WS - White silicone 50</td></tr></table>	Model	Material/Hardness	SOFA6×18	N - NBR 55		WS - White silicone 50	SFD Series Flat Suction Cup for Wood Industry NEW  RoHS	<table><tr><th>Model</th><th>Material/Hardness</th></tr><tr><td>SFD40</td><td>N - NBR 55</td></tr><tr><td>SFD70</td><td>WS - White silicone 50</td></tr><tr><td></td><td>NR - Natural rubber 40</td></tr></table>	Model	Material/Hardness	SFD40	N - NBR 55	SFD70	WS - White silicone 50		NR - Natural rubber 40														
Model	Material/Hardness																														
SOFA6×18	N - NBR 55																														
	WS - White silicone 50																														
Model	Material/Hardness																														
SFD40	N - NBR 55																														
SFD70	WS - White silicone 50																														
	NR - Natural rubber 40																														
SBS Series Suction Cup Special for Spherical Objects  RoHS	<table><tr><th>Model</th><th>Material/Hardness</th></tr><tr><td>SBS30</td><td>S - Silicone 35</td></tr><tr><td>SBS33</td><td>WS - White silicone 50</td></tr><tr><td>SBS34</td><td>WSA - White silicone 30</td></tr><tr><td>SBS35</td><td></td></tr></table>	Model	Material/Hardness	SBS30	S - Silicone 35	SBS33	WS - White silicone 50	SBS34	WSA - White silicone 30	SBS35		SHT Series High Temperature Suction Cup  RoHS	<table><tr><th>Model</th><th>Connection thread</th></tr><tr><td>SHT35</td><td>G1/8 Female thread</td></tr><tr><td>SHT60</td><td>G1/4 Female thread</td></tr><tr><td>SHT90</td><td></td></tr></table>	Model	Connection thread	SHT35	G1/8 Female thread	SHT60	G1/4 Female thread	SHT90											
Model	Material/Hardness																														
SBS30	S - Silicone 35																														
SBS33	WS - White silicone 50																														
SBS34	WSA - White silicone 30																														
SBS35																															
Model	Connection thread																														
SHT35	G1/8 Female thread																														
SHT60	G1/4 Female thread																														
SHT90																															
SOM Series Oval Flat Suction Cup Special for Long and Narrow Objects NEW  RoHS	<table><tr><th>Model</th><th>Material/Hardness</th></tr><tr><td>SOM20×60U</td><td>U - PU 70</td></tr><tr><td>SOM30×80U</td><td></td></tr><tr><td>SOM40×100U</td><td></td></tr></table>	Model	Material/Hardness	SOM20×60U	U - PU 70	SOM30×80U		SOM40×100U																							
Model	Material/Hardness																														
SOM20×60U	U - PU 70																														
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SP3 Series Flat (U) Suction Cup NEW  RoHS	<table><tr><th>Model</th><th>Material/Hardness</th></tr><tr><td>SP3U1.5</td><td>N - NBR 55</td></tr><tr><td>SP3U2</td><td>WS - White silicone 50</td></tr><tr><td>SP3U3.5</td><td>CN - Conductive NBR 55</td></tr><tr><td></td><td>CS - Conductive silicone 55</td></tr></table>	Model	Material/Hardness	SP3U1.5	N - NBR 55	SP3U2	WS - White silicone 50	SP3U3.5	CN - Conductive NBR 55		CS - Conductive silicone 55	SBF Series 1.5 Bellows Suction Cup Special for Metal Sheet 	<table><tr><th>Model</th><th>Material/Hardness</th></tr><tr><td>SBF30</td><td>U - PU 70</td></tr><tr><td>SBF40</td><td></td></tr><tr><td>SBF50</td><td></td></tr><tr><td>SBF60</td><td></td></tr><tr><td>SBF80</td><td></td></tr><tr><td>SBF100</td><td></td></tr></table>	Model	Material/Hardness	SBF30	U - PU 70	SBF40		SBF50		SBF60		SBF80		SBF100							
Model	Material/Hardness																																
SP3U1.5	N - NBR 55																																
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SP3 Series Flat with Ribs(C) Suction Cup NEW  RoHS	<table><tr><th>Model</th><th>Material/Hardness</th></tr><tr><td>SP3C4</td><td>N - NBR 55</td></tr><tr><td>SP3C6</td><td>WS - White silicone 50</td></tr><tr><td>SP3C8</td><td>CN - Conductive NBR 55</td></tr><tr><td>SP3C10</td><td>CS - Conductive silicone 55</td></tr><tr><td>SP3C13</td><td>HP - Mark free rubber 55</td></tr><tr><td>SP3C16</td><td></td></tr></table>	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		SBOF Series 2.5 Bellows Oval Suction Cup 	<table><tr><th>Model</th><th>Material/Hardness</th></tr><tr><td>SBOF35×28</td><td>V - Vinyl 55</td></tr><tr><td>SBOF45×28</td><td></td></tr></table>	Model	Material/Hardness	SBOF35×28	V - Vinyl 55	SBOF45×28											
Model	Material/Hardness																																
SP3C4	N - NBR 55																																
SP3C6	WS - White silicone 50																																
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Model	Material/Hardness																																
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SP3 Series 1.5 Bellows(B) Suction Cup NEW  RoHS	<table><tr><th>Model</th><th>Material/Hardness</th></tr><tr><td>SP3B4</td><td>N - NBR 55</td></tr><tr><td>SP3B6</td><td>WS - White silicone 50</td></tr><tr><td>SP3B8</td><td>CN - Conductive NBR 55</td></tr><tr><td>SP3B10</td><td>CS - Conductive silicone 55</td></tr><tr><td>SP3B13</td><td>HP - Mark free rubber 55</td></tr><tr><td>SP3B16</td><td></td></tr></table>	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		SFT Series Flat Suction Cup Special for Plastic Film and Paper  RoHS	<table><tr><th>Model</th><th>Material/Hardness</th></tr><tr><td>SFT15</td><td>WS - White silicone 50</td></tr><tr><td>SFT20</td><td>HD - High temp/Mark free 60</td></tr><tr><td>SFT24</td><td>NR - Natural rubber 40</td></tr><tr><td>SFT30</td><td></td></tr><tr><td>SFT34</td><td></td></tr><tr><td>SFT35</td><td></td></tr><tr><td>SFT40</td><td></td></tr></table>	Model	Material/Hardness	SFT15	WS - White silicone 50	SFT20	HD - High temp/Mark free 60	SFT24	NR - Natural rubber 40	SFT30		SFT34		SFT35		SFT40	
Model	Material/Hardness																																
SP3B4	N - NBR 55																																
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SBB Series 1.5 Bellows Big Suction Cup  RoHS	<table><tr><th>Model</th><th>Material/Hardness</th></tr><tr><td>SBB200</td><td>N - NBR 60</td></tr><tr><td>SBB250</td><td></td></tr><tr><td>SBB300</td><td></td></tr></table>	Model	Material/Hardness	SBB200	N - NBR 60	SBB250		SBB300		SBL Series 4.5 Bellows Suction Cup  RoHS	<table><tr><th>Model</th><th>Material/Hardness</th></tr><tr><td>SBL15</td><td>N - NBR 55</td></tr><tr><td>SBL20</td><td>S - Silicone 50</td></tr><tr><td>SBL30</td><td>WS - White silicone 50</td></tr><tr><td>SBL40</td><td></td></tr><tr><td>SBL50</td><td></td></tr></table>	Model	Material/Hardness	SBL15	N - NBR 55	SBL20	S - Silicone 50	SBL30	WS - White silicone 50	SBL40		SBL50											
Model	Material/Hardness																																
SBB200	N - NBR 60																																
SBB250																																	
SBB300																																	
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SBL15	N - NBR 55																																
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SBL30	WS - White silicone 50																																
SBL40																																	
SBL50																																	
SU Series Universal Flat Suction Cup  RoHS	<table><tr><th>Model</th><th>Material/Hardness</th></tr><tr><td>SU6 SU25</td><td>N - NBR 55</td></tr><tr><td>SU8 SU30</td><td>S - Silicone 50</td></tr><tr><td>SU10 SU40</td><td>WS - White silicone 50</td></tr><tr><td>SU15 SU50</td><td>CS - Conductive silicone 55</td></tr><tr><td>SU20 SU80</td><td></td></tr></table>	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		SBLP Series Multiple Bellows Suction Cup Special for Soft Packing Bags  RoHS	<table><tr><th>Model</th><th>Material/Hardness</th></tr><tr><td>SBLP30</td><td>S - Silicone 40</td></tr><tr><td>SBLP40</td><td></td></tr><tr><td>SBLP50</td><td></td></tr></table>	Model	Material/Hardness	SBLP30	S - Silicone 40	SBLP40		SBLP50											
Model	Material/Hardness																																
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Model	Material/Hardness																																
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SBLP50																																	
SUF Series Small Flat Suction Cup  RoHS	<table><tr><th>Model</th><th>Material/Hardness</th></tr><tr><td>SUF3.5</td><td>N - NBR 55</td></tr><tr><td>SUF5.5</td><td>S - Silicone 50</td></tr></table>	Model	Material/Hardness	SUF3.5	N - NBR 55	SUF5.5	S - Silicone 50	SB Series Universal Bellows Suction Cup  RoHS	<table><tr><th>Model</th><th>Material/Hardness</th></tr><tr><td>SB5 SB20</td><td>N - NBR 55</td></tr><tr><td>SB6 SB30</td><td>S - Silicone 50</td></tr><tr><td>SB8 SB40</td><td>WS - White silicone 50</td></tr><tr><td>SB10 SB50</td><td>CS - Conductive silicone 55</td></tr><tr><td>SB12 SB75</td><td></td></tr><tr><td>SB15 SB110</td><td></td></tr><tr><td>SB17 SB150</td><td></td></tr></table>	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									
Model	Material/Hardness																																
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SFM Series Flat Suction Cup Special for Oily Metal Sheet 	<table><tr><th>Model</th><th>Material/Hardness</th></tr><tr><td>SFM30 SFM80</td><td>U - PU 70</td></tr><tr><td>SFM40 SFM100</td><td></td></tr><tr><td>SFM50 SFM120</td><td></td></tr><tr><td>SFM60</td><td></td></tr></table>	Model	Material/Hardness	SFM30 SFM80	U - PU 70	SFM40 SFM100		SFM50 SFM120		SFM60		SDM Series Flat Suction Cup Special for Metal Sheet 	<table><tr><th>Model</th><th>Material/Hardness</th></tr><tr><td>SDM100</td><td>U - PU 70</td></tr></table>	Model	Material/Hardness	SDM100	U - PU 70										
Model	Material/Hardness																										
SFM30 SFM80	U - PU 70																										
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Model	Material/Hardness																										
SDM100	U - PU 70																										
SF Series Universal Flat Suction Cup  RoHS	<table><tr><th>Model</th><th>Material/Hardness</th></tr><tr><td>SF15 SF75</td><td>N - NBR 55</td></tr><tr><td>SF20 SF110</td><td>S - Silicone 50</td></tr><tr><td>SF25 SF150</td><td>WS - White silicone 50</td></tr><tr><td>SF30 SF200</td><td>CS - Conductive silicone 55</td></tr><tr><td>SF40 SF300</td><td></td></tr><tr><td>SF50</td><td></td></tr></table>	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	<table><tr><th>Model</th><th>Material/Hardness</th></tr><tr><td>SOB30×60</td><td>N - NBR 60</td></tr><tr><td>SOB40×80</td><td></td></tr><tr><td>SOB55×110</td><td></td></tr><tr><td>SOB70×140</td><td></td></tr></table>	Model	Material/Hardness	SOB30×60	N - NBR 60	SOB40×80		SOB55×110		SOB70×140	
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																											
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	<table><tr><th>Model</th><th>Material/Hardness</th></tr><tr><td>STC22 STC60</td><td>N - NBR 60</td></tr><tr><td>STC30 STC80</td><td></td></tr><tr><td>STC40 STC100</td><td></td></tr><tr><td>STC50 STC125</td><td></td></tr></table>	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	<table><tr><th>Model</th><th>Material/Hardness</th></tr><tr><td>SOF16×50 SOF40×110</td><td>N - NBR 60</td></tr><tr><td>SOF20×80 SOF50×100</td><td>NG - NBR 45</td></tr><tr><td>SOF23×60 SOF60×120</td><td></td></tr><tr><td>SOF30×90 SOF70×140</td><td></td></tr><tr><td>SOF40×80</td><td></td></tr></table>	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			
Model	Material/Hardness																										
STC22 STC60	N - NBR 60																										
STC30 STC80																											
STC40 STC100																											
STC50 STC125																											
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	<table><tr><th>Model</th><th>Material/Hardness</th></tr><tr><td>SFF30 SFF80</td><td>N - NBR 60</td></tr><tr><td>SFF40 SFF100</td><td>NG - NBR 45</td></tr><tr><td>SFF50 SFF125</td><td></td></tr><tr><td>SFF60</td><td></td></tr></table>	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	<table><tr><th>Model</th><th>Material/Hardness</th></tr><tr><td>SOG15×40</td><td>N - NBR 45</td></tr><tr><td>SOG35×100</td><td></td></tr></table>	Model	Material/Hardness	SOG15×40	N - NBR 45	SOG35×100									
Model	Material/Hardness																										
SFF30 SFF80	N - NBR 60																										
SFF40 SFF100	NG - NBR 45																										
SFF50 SFF125																											
SFF60																											
Model	Material/Hardness																										
SOG15×40	N - NBR 45																										
SOG35×100																											
SFP Series PU Flat Suction Cup 	<table><tr><th>Model</th><th>Material/Hardness</th></tr><tr><td>SFP20</td><td>U - PU 60</td></tr><tr><td>SFP30</td><td>UY - PU 40</td></tr><tr><td>SFP40</td><td></td></tr></table>	Model	Material/Hardness	SFP20	U - PU 60	SFP30	UY - PU 40	SFP40		SXP Series PU Bellows Suction Cup 	<table><tr><th>Model</th><th>Material/Hardness</th></tr><tr><td>SXP20 SXP40</td><td>U - PU 60</td></tr><tr><td>SXP25 SXP50</td><td>UG - PU 55</td></tr><tr><td>SXP30 SXP70</td><td>UD - PU 30 60</td></tr><tr><td>SXP35</td><td></td></tr></table>	Model	Material/Hardness	SXP20 SXP40	U - PU 60	SXP25 SXP50	UG - PU 55	SXP30 SXP70	UD - PU 30 60	SXP35							
Model	Material/Hardness																										
SFP20	U - PU 60																										
SFP30	UY - PU 40																										
SFP40																											
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 	<table><tr><th>Model</th><th>Material/Hardness</th></tr><tr><td>SBP10 SBP40</td><td>U - PU 60</td></tr><tr><td>SBP15 SBP50</td><td>UY - PU 40</td></tr><tr><td>SBP20 SBP70</td><td>UD - PU 30 60</td></tr><tr><td>SBP30</td><td></td></tr></table>	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 	<table><tr><th>Model</th><th>Material/Hardness</th></tr><tr><td>SGP25</td><td>U - PU 55</td></tr><tr><td>SGP35</td><td>UD - PU 30 55</td></tr><tr><td>SGP45</td><td></td></tr><tr><td>SGP55</td><td></td></tr></table>	Model	Material/Hardness	SGP25	U - PU 55	SGP35	UD - PU 30 55	SGP45		SGP55					
Model	Material/Hardness																										
SBP10 SBP40	U - PU 60																										
SBP15 SBP50	UY - PU 40																										
SBP20 SBP70	UD - PU 30 60																										
SBP30																											
Model	Material/Hardness																										
SGP25	U - PU 55																										
SGP35	UD - PU 30 55																										
SGP45																											
SGP55																											

SH Series Heavy Load Flat Suction Cup  RoHS	<table><tr><th>Model</th><th>Material/Hardness</th></tr><tr><td>SH40</td><td>N - NBR 55</td></tr><tr><td>SH50</td><td>WS - White silicone 50</td></tr><tr><td>SH63</td><td></td></tr><tr><td>SH80</td><td></td></tr><tr><td>SH100</td><td></td></tr><tr><td>SH125</td><td></td></tr></table>	Model	Material/Hardness	SH40	N - NBR 55	SH50	WS - White silicone 50	SH63		SH80		SH100		SH125		SAN Series Nozzle Type Suction Cup  RoHS	<table><tr><th>Model</th><th>Material/Hardness</th></tr><tr><td>SAN0.8</td><td>N - NBR 55</td></tr><tr><td>SAN1.1</td><td>WS - White silicone 50</td></tr><tr><td></td><td>CN - Conductive NBR 55</td></tr><tr><td></td><td>CS - Conductive silicone 55</td></tr></table>	Model	Material/Hardness	SAN0.8	N - NBR 55	SAN1.1	WS - White silicone 50		CN - Conductive NBR 55		CS - Conductive silicone 55						
Model	Material/Hardness																																
SH40	N - NBR 55																																
SH50	WS - White silicone 50																																
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SAN1.1	WS - White silicone 50																																
	CN - Conductive NBR 55																																
	CS - Conductive silicone 55																																
SHB Series Heavy Load Bellows Suction Cup  RoHS	<table><tr><th>Model</th><th>Material/Hardness</th></tr><tr><td>SHB40</td><td>N - NBR 55</td></tr><tr><td>SHB50</td><td>WS - White silicone 50</td></tr><tr><td>SHB63</td><td></td></tr><tr><td>SHB80</td><td></td></tr><tr><td>SHB100</td><td></td></tr><tr><td>SHB125</td><td></td></tr></table>	Model	Material/Hardness	SHB40	N - NBR 55	SHB50	WS - White silicone 50	SHB63		SHB80		SHB100		SHB125		SAO Series Oval Flat Suction Cup  RoHS	<table><tr><th>Model</th><th>Material/Hardness</th></tr><tr><td>SAO3.5x7 SAO6x20</td><td>N - NBR 55</td></tr><tr><td>SAO4x10 SAO8x20</td><td>WS - White silicone 50</td></tr><tr><td>SAO5x10 SAO4x30</td><td>CN - Conductive NBR 55</td></tr><tr><td>SAO6x10 SAO5x30</td><td>CS - Conductive silicone 55</td></tr><tr><td>SAO4x20 SAO6x30</td><td></td></tr><tr><td>SAO5x20 SAO8x30</td><td></td></tr></table>	Model	Material/Hardness	SAO3.5x7 SAO6x20	N - NBR 55	SAO4x10 SAO8x20	WS - White silicone 50	SAO5x10 SAO4x30	CN - Conductive NBR 55	SAO6x10 SAO5x30	CS - Conductive silicone 55	SAO4x20 SAO6x30		SAO5x20 SAO8x30			
Model	Material/Hardness																																
SHB40	N - NBR 55																																
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SAO6x10 SAO5x30	CS - Conductive silicone 55																																
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SAO5x20 SAO8x30																																	
SZC Series Flat Type with Ribs Suction Cup  RoHS	<table><tr><th>Model</th><th>Material/Hardness</th></tr><tr><td>SZC10 SZC25</td><td>N - NBR 50</td></tr><tr><td>SZC13 SZC32</td><td>WS - White silicone 45</td></tr><tr><td>SZC16 SZC40</td><td>CN - Conductive NBR 55</td></tr><tr><td>SZC20 SZC50</td><td>CS - Conductive silicone 55</td></tr></table>	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	<table><tr><th>Model</th><th>Material/Hardness</th></tr><tr><td>SDL100</td><td>N - NBR 55</td></tr></table>	Model	Material/Hardness	SDL100	N - NBR 55																
Model	Material/Hardness																																
SZC10 SZC25	N - NBR 50																																
SZC13 SZC32	WS - White silicone 45																																
SZC16 SZC40	CN - Conductive NBR 55																																
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Model	Material/Hardness																																
SDL100	N - NBR 55																																
SZB Series Bellows Suction Cup  RoHS	<table><tr><th>Model</th><th>Material/Hardness</th></tr><tr><td>SZB6 SZB20</td><td>N - NBR 50</td></tr><tr><td>SZB8 SZB25</td><td>WS - White silicone 45</td></tr><tr><td>SZB10 SZB32</td><td>CN - Conductive NBR 55</td></tr><tr><td>SZB13 SZB40</td><td>CS - Conductive silicone 55</td></tr><tr><td>SZB16 SZB50</td><td>HP - Mark free rubber 50</td></tr></table>	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	<table><tr><th>Model</th><th>Material/Hardness</th></tr><tr><td>SPF2 SPF20 SPF60</td><td>N - NBR 55</td></tr><tr><td>SPF3.5 SPF25 SPF80</td><td>WS - White silicone 50</td></tr><tr><td>SPF5 SPF30 SPF95</td><td>CN - Conductive NBR 55</td></tr><tr><td>SPF6 SPF35 SPF120</td><td>CS - Conductive silicone 55</td></tr><tr><td>SPF8 SPF40 SPF150</td><td></td></tr><tr><td>SPF10 SPF50 SPF200</td><td></td></tr><tr><td>SPF15</td><td></td></tr></table>	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			
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																																
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	<table><tr><th>Model</th><th>Material/Hardness</th></tr><tr><td>SZU2 SZU16</td><td>N - NBR 50</td></tr><tr><td>SZU4 SZU20</td><td>WS - White silicone 45</td></tr><tr><td>SZU6 SZU25</td><td>CN - Conductive NBR 55</td></tr><tr><td>SZU8 SZU32</td><td>CS - Conductive silicone 55</td></tr><tr><td>SZU10 SZU40</td><td>HP - Mark free rubber 50</td></tr><tr><td>SZU13 SZU50</td><td></td></tr></table>	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	<table><tr><th>Model</th><th>Material/Hardness</th></tr><tr><td>SPJ4 SPJ30</td><td>N - NBR 55</td></tr><tr><td>SPJ6 SPJ35</td><td>WS - White silicone 50</td></tr><tr><td>SPJ8 SPJ40</td><td>CN - Conductive NBR 55</td></tr><tr><td>SPJ10 SPJ50</td><td>CS - Conductive silicone 55</td></tr><tr><td>SPJ15 SPJ60</td><td>HP - Mark free rubber 55</td></tr><tr><td>SPJ20 SPJ70</td><td></td></tr><tr><td>SPJ25 SPJ80</td><td></td></tr></table>	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	
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																																
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SPJ6 SPJ35	WS - White silicone 50																																
SPJ8 SPJ40	CN - Conductive NBR 55																																
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SPJ15 SPJ60	HP - Mark free rubber 55																																
SPJ20 SPJ70																																	
SPJ25 SPJ80																																	
SZD Series Deep Type Suction Cup  RoHS	<table><tr><th>Model</th><th>Material/Hardness</th></tr><tr><td>SZD10</td><td>N - NBR 50</td></tr><tr><td>SZD16</td><td>WS - White silicone 30</td></tr><tr><td>SZD25</td><td></td></tr><tr><td>SZD40</td><td></td></tr></table>	Model	Material/Hardness	SZD10	N - NBR 50	SZD16	WS - White silicone 30	SZD25		SZD40		SPU Series Swivel Flat Suction Cup  RoHS	<table><tr><th>Model</th><th>Material/Hardness</th></tr><tr><td>SPU10 SPU40</td><td>N - NBR 55</td></tr><tr><td>SPU15 SPU50</td><td>WS - White silicone 50</td></tr><tr><td>SPU20 SPU60</td><td></td></tr><tr><td>SPU25 SPU80</td><td></td></tr><tr><td>SPU30 SPU100</td><td></td></tr><tr><td>SPU35</td><td></td></tr></table>	Model	Material/Hardness	SPU10 SPU40	N - NBR 55	SPU15 SPU50	WS - White silicone 50	SPU20 SPU60		SPU25 SPU80		SPU30 SPU100		SPU35							
Model	Material/Hardness																																
SZD10	N - NBR 50																																
SZD16	WS - White silicone 30																																
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SPU15 SPU50	WS - White silicone 50																																
SPU20 SPU60																																	
SPU25 SPU80																																	
SPU30 SPU100																																	
SPU35																																	

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			
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			
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			
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 	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 	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
SLF Series Matrix Gripper 	Model		Vacuum source	
	SLF140		External blower	
	SLF180			
	SLF140W		External large flow vacuum generator	
	SLF180W			
SLF Series Matrix Gripper 	Model		Max. Vacuum level(-kPa)	Max. Vacuum flow(NL/min)
	SLF180X		80	250
	SLF180S		58	242

TXN Series Vacuum Gripper-Mini Type		TXH Series Vacuum Gripper-Heavy Load Type		Model Adsorbing surface type Vacuum source		
	Model		Vacuum type		TXH500×700	A - Sponge Vacuum generator
	TXN22×38-A		Without vacuum generator		TXH800×1000	B - Suction cup External blower
	TXN22×76-A		Without vacuum generator		TXH1100×1300	
	Model		Max. Vacuum level(-kPa)	Max. Vacuum flow(NL/min)	Model Adsorbing surface type Vacuum source	
	TXN15×76-B		85	40	TXL200×300	A - Sponge Vacuum generator
	TXN15×90-B		88	140	TXL200×400	B - Suction cup External blower
	TXN27×90-B		88	140	TXL300×300	
					TXL300×400	
	Model		Max. Vacuum level(-kPa)	Max. Vacuum flow(NL/min)	Model Adsorbing surface type Max. Vacuum flow(NL/min)	
	TXN60×120-A		85	150	TXC130×400	A - Sponge 710
TXD Series Vacuum Gripper-Light Load Type	Model		Max. Vacuum level(-kPa)	Max. Vacuum flow(NL/min)	TXC130×600	B - Suction cup 1,050
	TXD80		H - 95	H - 170	TXC130×800	1,410
	TXD100		L - 75	L - 180	TXC130×1000	1,760
	TXD120				TXC130×1200	2,100
					TXC130×1400	2,460
TXP Series Vacuum Gripper-Oval Shaped	Model		Vacuum source		Model Adsorbing surface type Vacuum source	
	TXP190×290-A		External blower		TXM130×400	A - Sponge External blower
	TXP230×380-A		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 	<table><tr><th>Model</th><th>Buffer Stroke (mm)</th><th>Mounting thread</th></tr><tr><td>PSPD-E25G2M-M20</td><td>25</td><td>M20</td></tr><tr><td>PSPD-E50G2M-M20</td><td>50</td><td>M30</td></tr><tr><td>PSPD-E50G3M-M30</td><td>90</td><td></td></tr><tr><td>PSPD-E90G4M-M30</td><td></td><td></td></tr></table>	Model	Buffer Stroke (mm)	Mounting thread	PSPD-E25G2M-M20	25	M20	PSPD-E50G2M-M20	50	M30	PSPD-E50G3M-M30	90		PSPD-E90G4M-M30					
Model	Buffer Stroke (mm)	Mounting thread																	
PSPD-E25G2M-M20	25	M20																	
PSPD-E50G2M-M20	50	M30																	
PSPD-E50G3M-M30	90																		
PSPD-E90G4M-M30																			
PSPE Series Small and Light Level Compensator 	<table><tr><th>Model</th><th>Buffer Stroke (mm)</th><th>Mounting thread</th></tr><tr><td>PSPE-I6LA6M5M-M8</td><td>6 25</td><td>M8</td></tr><tr><td>PSPE-I6BA6M5M-M8</td><td>10 30</td><td>M10</td></tr><tr><td>PSPE-I10M5M-M10</td><td>15 40</td><td>M14</td></tr><tr><td>PSPE-I10RM5M-M10</td><td>20 50</td><td></td></tr><tr><td>PSPE-I10M8M-M14</td><td></td><td></td></tr></table>	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		
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																			

PJE Series Universal Mounting Parts-Flexible joint 	<table><tr><th>Model</th><th>Max.deflection</th></tr><tr><td>PJE-G2F-M10M</td><td>12°</td></tr><tr><td>PJE-G2F-G2M</td><td></td></tr><tr><td>PJE-G2M-G2M</td><td></td></tr><tr><td>PJE-G4F-G4M</td><td></td></tr><tr><td>PJE-G4M-G4M</td><td></td></tr></table>	Model	Max.deflection	PJE-G2F-M10M	12°	PJE-G2F-G2M		PJE-G2M-G2M		PJE-G4F-G4M		PJE-G4M-G4M										
Model	Max.deflection																					
PJE-G2F-M10M	12°																					
PJE-G2F-G2M																						
PJE-G2M-G2M																						
PJE-G4F-G4M																						
PJE-G4M-G4M																						
PSPH Series Heavy-duty Type Level Compensator 	<table><tr><th>Model</th><th>Buffer Stroke (mm)</th><th>Mounting thread</th></tr><tr><td>PSPH-E25G2M-M20</td><td>25</td><td>M20</td></tr><tr><td>PSPH-E50G2M-M20</td><td>50</td><td>M30</td></tr><tr><td>PSPH-E25G3M-M30</td><td>75</td><td></td></tr><tr><td>PSPH-E50G3M-M30</td><td>90</td><td></td></tr><tr><td>PSPH-E75G4M-M30</td><td></td><td></td></tr><tr><td>PSPH-E90G4M-M30</td><td></td><td></td></tr></table>	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		
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																						

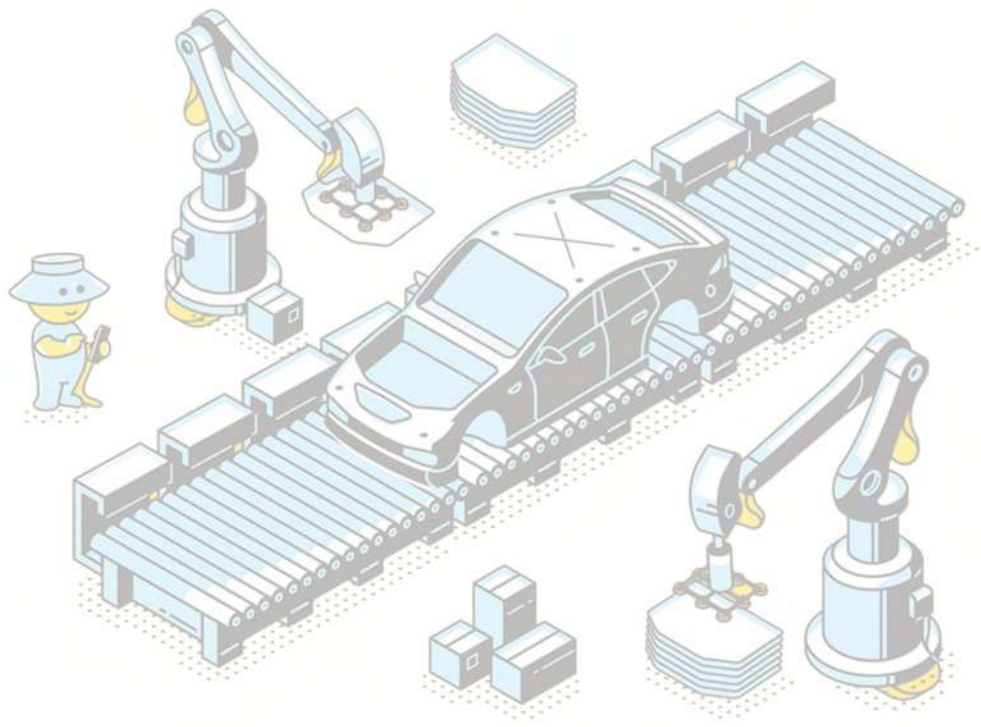
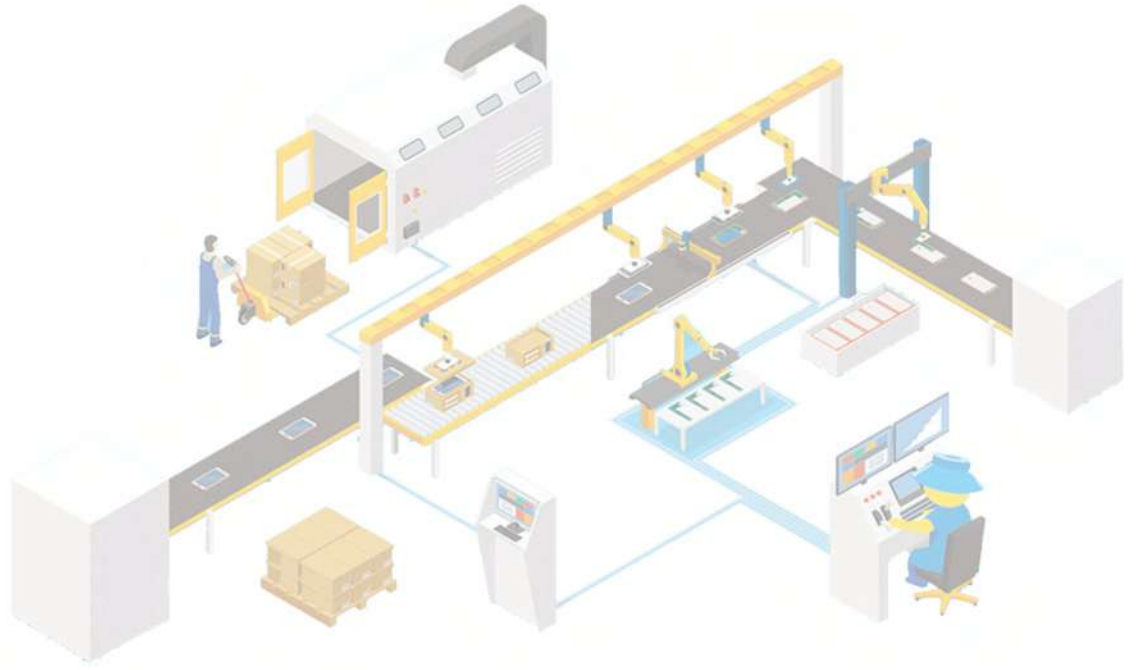
PSPT Series Universal Level Compensator 	<table><tr><th>Model</th><th>Buffer Stroke (mm)</th><th>Mounting thread</th></tr><tr><td>PSPT-I10G1M-M16</td><td>10</td><td>M16</td></tr><tr><td>PSPT-I10G2M-M18</td><td>20</td><td>M18</td></tr><tr><td>PSPT-I10G2F-M18</td><td>30</td><td></td></tr><tr><td>PSPT-I10G3M-M18</td><td>50</td><td></td></tr><tr><td>PSPT-I10G3F-M18</td><td></td><td></td></tr><tr><td>PSPT-E60G2M-M18</td><td>60 75</td><td>M18</td></tr><tr><td>PSPT-E60G3M-M18</td><td>90 110</td><td></td></tr></table>	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 	<table><tr><th>Model</th><th>Suction cup connection</th><th>Special Specification</th></tr><tr><td>PJS-G1M-SF1</td><td>SF(1-3)</td><td>EW - Built-in mesh filter</td></tr><tr><td>PJS-G1F-SF1</td><td>SC(1-6)</td><td>EH - Built-in mesh filter+</td></tr><tr><td>PJS-M5M-SC2</td><td>ST(1-8)</td><td>Throttle valve</td></tr><tr><td>PJS-M5M-ST2</td><td></td><td></td></tr></table>	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+	PJS-M5M-SC2	ST(1-8)	Throttle valve	PJS-M5M-ST2		
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																																									
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PJS-G1F-SF1	SC(1-6)	EH - Built-in mesh filter+																																								
PJS-M5M-SC2	ST(1-8)	Throttle valve																																								
PJS-M5M-ST2																																										
PSPF Series Compact Level Compensator 	<table><tr><th>Model</th><th>Buffer Stroke (mm)</th><th>Mounting thread</th></tr><tr><td>PSPF-E4B6M5F-M11</td><td>4</td><td>M11</td></tr><tr><td>PSPF-E4LB6M5F-M11</td><td>6</td><td>M14</td></tr><tr><td>PSPF-E6B6M5F-M14</td><td>10</td><td>M16</td></tr><tr><td>PSPF-E6LB6M5F-M14</td><td>15</td><td></td></tr><tr><td>PSPF-E6B6M8-M14</td><td>30</td><td></td></tr><tr><td>PSPF-E6LB6M8-M14</td><td></td><td></td></tr><tr><td>PSPF-E10LR1M10M-M16</td><td></td><td></td></tr></table>	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 	<table><tr><th>Equal diameter double thread model</th><th>Different diameter male and male thread model</th><th>Different diameter female and male thread model</th></tr><tr><td>PJT-M5F</td><td>PJT-M5M-M8M</td><td>PJT-M5M-M8F</td></tr><tr><td>PJT-G1F</td><td>PJT-G1M-G2M</td><td>PJT-G1M-G2F</td></tr><tr><td>PJT-M5M</td><td>PJT-G2M-G3M</td><td>PJT-G2M-G3F</td></tr><tr><td>PJT-G1M</td><td>PJT-G3M-G4M</td><td>PJT-G3M-G4F</td></tr></table>	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
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																																										
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 	<table><tr><th>Model</th><th>Buffer Stroke (mm)</th><th>Mounting thread</th></tr><tr><td>PSPL-I10M5F-M10</td><td>10</td><td>M10</td></tr><tr><td>PSPL-I15M5F-M10</td><td>15</td><td></td></tr><tr><td>PSPL-I20M5F-M10</td><td>20</td><td></td></tr></table>	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 	<table><tr><th>Model</th><th>Length of connecting rod</th><th>Max. deflection</th></tr><tr><td>PJH-1A80</td><td>80</td><td>15°</td></tr><tr><td>PJH-2A80</td><td>100</td><td></td></tr><tr><td>PJH-1B80</td><td>140</td><td></td></tr><tr><td>PJH-2B80</td><td>200</td><td></td></tr></table>	Model	Length of connecting rod	Max. deflection	PJH-1A80	80	15°	PJH-2A80	100		PJH-1B80	140		PJH-2B80	200													
Model	Buffer Stroke (mm)	Mounting thread																																								
PSPL-I10M5F-M10	10	M10																																								
PSPL-I15M5F-M10	15																																									
PSPL-I20M5F-M10	20																																									
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 	<table><tr><th>Model</th><th>Connection thread</th></tr><tr><td>PJF-LB6-M6F-M5F</td><td>A - One-touch fitting</td></tr><tr><td>PJF-A4-M12M-M5F</td><td>B - Pagoda fitting</td></tr><tr><td>PJF-A6-M14M-M8F</td><td>R1 - Rc1/8 inside tapered thread</td></tr><tr><td>PJF-B6-M8M-M5F</td><td>LB - Horizontal, Pagoda fitting</td></tr><tr><td>PJF-B6-M10M-M8F</td><td>LR1 - Horizontal, Rc1/8 inside tapered thread</td></tr><tr><td>PJF-R1-M16M-G2F</td><td></td></tr><tr><td>PJF-LR1-M10F-G2F</td><td></td></tr></table>	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 	<table><tr><th>Model</th><th>Max. deflection</th></tr><tr><td>PJB-M10M</td><td>PJB-G1M-S 12°</td></tr><tr><td>PJB-G1M</td><td>PJB-G4M-S</td></tr><tr><td>PJB-G2M</td><td></td></tr><tr><td>PJB-G4M</td><td></td></tr></table>	Model	Max. deflection	PJB-M10M	PJB-G1M-S 12°	PJB-G1M	PJB-G4M-S	PJB-G2M		PJB-G4M														
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																																										
Model	Max. deflection																																									
PJB-M10M	PJB-G1M-S 12°																																									
PJB-G1M	PJB-G4M-S																																									
PJB-G2M																																										
PJB-G4M																																										
PTK Series Stainless Steel Hose Clamp 	<table><tr><th>Model</th><th>Width mm</th><th>Thickness mm</th></tr><tr><td>PTK-18-32 PTK-40-64</td><td>12</td><td>0.68</td></tr><tr><td>PTK-21-38 PTK-44-67</td><td></td><td></td></tr><tr><td>PTK-21-44 PTK-46-70</td><td></td><td></td></tr><tr><td>PTK-27-51 PTK-52-76</td><td></td><td></td></tr><tr><td>PTK-33-57</td><td></td><td></td></tr></table>	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 	<table><tr><th>Countersunk head seal</th><th>Horizontal seal</th><th>Connection thread</th></tr><tr><td>PDA-I-M5M</td><td>PDA-L-M5M</td><td>M5M</td></tr><tr><td>PDA-I-G1M</td><td>PDA-L-G1M</td><td>G1M</td></tr><tr><td>PDA-I-G2M</td><td>PDA-L-G2M</td><td>G2M</td></tr><tr><td>PDA-I-G3M</td><td>PDA-L-G3M</td><td>G3M</td></tr><tr><td>PDA-I-G4M</td><td>PDA-L-G4M</td><td>G4M</td></tr></table>	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			
Model	Width mm	Thickness mm																																								
PTK-18-32 PTK-40-64	12	0.68																																								
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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 	<table><tr><th>Model</th><th>Inner diameter mm</th><th>Working pressure range(bar)</th></tr><tr><td>PTS</td><td>19 25 32 40</td><td>0.2~7.0</td></tr><tr><td></td><td>45 50 60 65</td><td></td></tr><tr><td></td><td>70 75</td><td></td></tr></table>	Model	Inner diameter mm	Working pressure range(bar)	PTS	19 25 32 40	0.2~7.0		45 50 60 65			70 75		PDR Series Positive Pressure/ Vacuum Shunt 	<table><tr><th>Model</th><th>Branching port quantity</th><th>Connection thread</th></tr><tr><td>PDR-G2F-5-G1F</td><td>5 branching ports</td><td>G2F</td></tr><tr><td>PDR-G3F-5-G2F</td><td>9 branching ports</td><td>G3F</td></tr><tr><td>PDR-G2F-9-G1F</td><td></td><td></td></tr><tr><td>PDR-G3F-9-G2F</td><td></td><td></td></tr></table>	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														
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PDR-G3F-5-G2F	9 branching ports	G3F																																								
PDR-G2F-9-G1F																																										
PDR-G3F-9-G2F																																										

PJP Series Universal One-touch Fitting 	Model	Hose specification	Connection thread
	PJP-I	φ4	M5×0.8 Male 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 	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	<table><tr><th>Model</th><th>Operating pressure range(MPa)</th><th>Flow(NL/min) Positive Vacuum pressure</th></tr><tr><td>ZFA54B</td><td>-0.1~0.8</td><td>40 10</td></tr><tr><td>ZFA56B</td><td>-0.1~0.8</td><td>130 75</td></tr><tr><td>ZFA76B</td><td>-0.1~0.8</td><td>140 80</td></tr><tr><td>ZFA78B</td><td>-0.1~0.8</td><td>280 110</td></tr><tr><td>ZFA710B</td><td>-0.1~0.8</td><td>320 120</td></tr><tr><td>ZFA712B</td><td>-0.1~0.8</td><td>370 140</td></tr></table>	Model	Operating pressure range(MPa)	Flow(NL/min) Positive Vacuum pressure	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
Model	Operating pressure range(MPa)	Flow(NL/min) Positive Vacuum pressure																				
ZFA54B	-0.1~0.8	40 10																				
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ZFA710B	-0.1~0.8	320 120																				
ZFA712B	-0.1~0.8	370 140																				
ZFE Series Small Vacuum Filter 	<table><tr><th>Model</th><th>Operating pressure range(kPa)</th><th>Nominal flow (NL/min)</th></tr><tr><td>ZFE-02B</td><td>-100~0.0</td><td>2</td></tr><tr><td>ZFE-03B</td><td></td><td>7</td></tr><tr><td>ZFE-04B</td><td></td><td>10</td></tr></table>	Model	Operating pressure range(kPa)	Nominal flow (NL/min)	ZFE-02B	-100~0.0	2	ZFE-03B		7	ZFE-04B		10									
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 	<table><tr><th>Model</th><th>Operating pressure range(kPa)</th><th>Nominal flow (NL/min)</th></tr><tr><td>ZFD04</td><td>-100.0-0.0</td><td>27</td></tr><tr><td>ZFD06</td><td>-100.0-0.0</td><td>49</td></tr></table>	Model	Operating pressure range(kPa)	Nominal flow (NL/min)	ZFD04	-100.0-0.0	27	ZFD06	-100.0-0.0	49												
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 	<table><tr><th>Model</th><th>Start-up elasticity N</th></tr><tr><td>ZVD-G2M</td><td>5</td></tr><tr><td>ZVD-G4M</td><td>6.6</td></tr></table>	Model	Start-up elasticity N	ZVD-G2M	5	ZVD-G4M	6.6															
Model	Start-up elasticity N																					
ZVD-G2M	5																					
ZVD-G4M	6.6																					
ZFL Series Inline Vacuum Filter 	<table><tr><th>Model</th><th>Operating pressure range(kPa)</th><th>Nominal flow (NL/min)</th></tr><tr><td>ZFL06</td><td>-100.0-0.0</td><td>25</td></tr><tr><td>ZFL10</td><td>-100.0-0.0</td><td>220</td></tr></table>	Model	Operating pressure range(kPa)	Nominal flow (NL/min)	ZFL06	-100.0-0.0	25	ZFL10	-100.0-0.0	220												
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 	<table><tr><th>Model</th><th>Overflow port diameter(mm)</th></tr><tr><td>ZVRM03-M5M</td><td>φ0.3</td></tr><tr><td>ZVRM05-M5M</td><td>φ0.5</td></tr><tr><td>ZVRM07-M5M</td><td>φ0.7</td></tr><tr><td>ZVRM05-G1M</td><td>φ0.5</td></tr><tr><td>ZVRM07-G1M</td><td>φ0.7</td></tr><tr><td>ZVRM10-G1M</td><td>φ1.0</td></tr></table>	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							
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 	<table><tr><th>Model</th><th>Air supply pressure(bar)</th><th>Output function</th></tr><tr><td>ZVAA-G1F</td><td>3.5~7.0</td><td>NO</td></tr><tr><td>ZVAA-G2F</td><td>3.5~7.0</td><td>NO</td></tr></table>	Model	Air supply pressure(bar)	Output function	ZVAA-G1F	3.5~7.0	NO	ZVAA-G2F	3.5~7.0	NO												
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 	<table><tr><th>Model</th><th>Connection thread to vacuum generator</th></tr><tr><td>ZVCM-M5F</td><td>M5 Female thread</td></tr><tr><td>ZVCM-G1F</td><td>G1/8 Female thread</td></tr></table>	Model	Connection thread to vacuum generator	ZVCM-M5F	M5 Female thread	ZVCM-G1F	G1/8 Female thread															
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
ZFB Series Universal Vacuum Filter 	Model	Operating pressure range(kPa)	Nominal flow(NL/min)
	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
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		



DECELER **VIBROTEK CONTROLS PVT. LTD.**

No. 38, 1st Floor, Arul Mary Street, Soosaiya Nagar,
Noombal, Chennai - 600 077. Tamilnadu, India.
Mob: 94455 25883, email: sales@deceler.in
Web: www.deceler.in

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