

# Specification

## VRG and VMG

Model		VRG			VMG									
Type		Sponge (Rectangular ring type)			Whole surface sponge				Aligned vacuum pads					
Code		1515	2817	4730	2618-SE5L	2618-S7L	3725-SE7L	5738-SE11L	2618-P5L	2618-P7L	3725-P7L	5738-P11L		
Suction surface size														
No. of rows		—	—	—	5 rows	7 rows	7 rows	11 rows	5 rows	7 rows	7 rows	11 rows		
Fluid Medium		Air, vacuum (※1)												
Operating pressure range		0.3~0.7MPa												
Rated supply pressure		0.5MPa												
Noise level		70dB (A)												
Operating vacuum pressure		-100~0kPa												
Operating temp. range		5~50°C (No freezing)												
Theoretical suction force (※2,3)		Safety factor 1/4 (Horizontal lifting)		235.8N	326.2N	1512.7N	296.1N	277.3N	641.6N	1546.4N	453.7N	277.3N	983.1N	2369.5N
		Safety factor 1/8 (Vertical lifting)		117.9N	163.1N	756.4N	148.1N	138.6N	320.8N	773.2N	226.9N	138.6N	491.5N	1184.7N
Accessory		Robot flange mounting plate (P.C.D.31.5,40,50,80,100), Digital Pressure Sensor with 3-color dual display, Push-in fitting for air piping												
		Spacer (included)			Fixed orifice (optional)				Fixed orifice or orifice coupling (optional)					
		The stroke can be adjusted to suit the workpiece by changing the height of the adjusting plate on the inside of the pad. Four suction strokes in total: 10, 15, 20, and 25 mm (factory setting: 25 mm). Adjustable in 5 mm increments. * For VRG1515: 8, 13, 18, and 23 mm (factory setting: 23mm).				Suppresses vacuum degradation due to leakage from non-absorbed areas by attaching an orifice to regulate the flow rate							The coupling orifice type makes it easy to attach/detach the pad. Pads that are not required for suction can be removed thanks to the socket's built-in stop mechanism.	

※1) "Fluid medium: vacuum" is only for vacuum pump spec.

※2) Theoretical suction force at a vacuum of -80 kPa.

※3) Do not exceed the maximum load capacity of 100 kg of the main body mounting section, including the weight of the gripper body and inertia forces during transport.