●: Standard equipment ○: Option

Model	Series Name	Single Unit Width Dimension (mm)	Single Unit Weight (g)	Manifold	Component Devices: With Valve: For Generation	Component Devices: With Valve: For Breaking	Component Devices: With Switch: Mechanical-type	Component Devices: With Switch: Switch Output	Component Devices: With Switch: Analog Output	Component Devices: With Vacuum Filter	Component Devices: With Silencer	Component Devices: Centralized Exhaust Type	Component Devices: With Check Valve	Nozzle Diameter (mm) 03 (0.3)	04 (0.4)	05 (0.5)	06 (0.6)	07 (0.7)	10 (1.0)	12 (1.2)	15 (1.5)	20 (2.0)	Ultimate Vacuum Pressure (-kPa) Note 1 H	L	E	Suction Flow Rate (L/min (ANR)) H	L	E	Air Consumption (L/min (ANR)) H	L	E	Page Listed
Ejector System / Single Unit Type	**VSY Series** With Vacuum Break Function • Integrates ejector and vacuum break functions • Compact and lightweight, enabling use at the end of vacuum piping	11	19 to 26								○	○	○				○							90	66	90	7	12	3		11.5		8	110
																		○						92			12.5	18/21	9		23		17	
	VSH Series Solenoid Valve Direct Mount Type (Supply Port Thread Type) • Air supply port size: M5 to R1/4 series allows direct mounting of solenoid valves • Wide variety of nozzle diameters from ø0.5 to ø2.0	ø9.8 to ø28	13 to 128									○	○				○						90	66		7	12			11.5			120
																		○					93		92	13	26	10.5		23		17	
																			○							28	42	21		46		34	
																				○				66		38		27	70		47	
																					○					63	95	42		100		70	
																						○				104	174	82		200		150	
	VSU Series Tubular Type • Vacuum port and air supply port are aligned, allowing installation mid-piping. • Dedicated mounting bracket available.	ø8.5 to ø13	6.4 to 24							●	○	○		○									90	66	88	2	3	1		4.5		3.5	128
															○										90	4	7	2		8		6.5	
																○										7	12	3		11.5		8	
																		○					92			12.5	20/22	10		23		17	
	VSB Series Square-type • Square silencer built-in type allows for main body mounting and fixing. • Mechanical vacuum pressure switch option available.	12.2	18 to 49				○				●					○							90	66		7	12			11.5			140
																		○					93		92	13	26	10.5		23		17	
																			○							28	42	21		46		34	
																				○						38		27	70		47	
	VSC Series Pad Direct Mount Type (Vacuum Port Thread Type) • Vacuum port size: M5 to R1/4 series allows direct mounting of vacuum pads • Wide variety of nozzle diameters from ø0.5 to ø2.0	8 to ø24	15 to 109								○	○		○									90	66		2	4			4.5			146
															○											4	7.5			8			
																○										7	11			11.5			
																		○					93		92	13	26	10.5		23		17	
																			○							28	42	21		46		34	
																				○						38		27	70		47	
																					○			66		63	95	42		100		70	
																						○				110	180	84		200		150	

Note1) Supply pressure is 0.5 MPa for H and L-types, and 0.35 MPa for E-type.

Ejector Characteristic Table

Nozzle Diameter		Ultimate Vacuum Pressure (-kPa) *1			Suction Flow Rate (L/min (ANR))			Air Consumption (L/min (ANR))		
Model No.	(mm)	H	L	E	H	L	E	H	L	E
03	0.3	90	66	88	2	3 to 4	1	4.5		3.5
04	0.4	90		90 to 90.4	4	7 to 7.5	2	8		6 to 6.5
05	0.5	90 to 91	66 to 67	90 to 92	7	11 to 12	3	11.5		8 to 8.8
06	0.6	90.4	-	90.4	9.5	-	4.5	16	-	12
07	0.7	90.4 to 93.1	66 to 67	90 to 92	12 to 13	18 to 26	9 to 10.5	23		17
10	1.0	93 to 93.1			20 to 28	26 to 42	19 to 21	46		34
12	1.2		67	90.4 to 92	32 to 38	50	27	70		47
15	1.5		66	92 to 93	63	95	42	100		70
20	2.0				96 to 110	143 to 180	82 to 84	200		150

*1: Supply pressure is 0.5 MPa for H and L-types, and 0.35 MPa for E-type.
*2: H-type: High vacuum/Medium flow type = High vacuum type; L-type: Medium vacuum/High flow type = High flow type E-type: High vacuum/Low flow type = Low supply pressure High vacuum type (Energy-saving type)