



Single Module
No Sensor



Single Module
With Sensor



Multiple Module
With Sensors

- Multi-function vacuum generator technology
- Two stage vacuum generator
- Lightweight and compact
- Integrated vacuum inlet filter
- Integrated silencer
- Integrated solenoid valves
- High efficient multi stage technology

Normally Closed vs Normally Open

Normally CLOSED means that the vacuum is OFF until power is applied to the vacuum on/off valve. Normally OPEN means that vacuum is always on until the control valve is powered.

Normally OPEN is often used in fail-safe environments so that the part remains attached to the vacuum cup(s) if there is a system power failure.

The ASM series of multi function vacuum generators offer the user a true solution in vacuum pick and place technology. Having integral control valves for both vacuum on/off and compressed air release, the ASM series are ideal for high speed packaging lines, steel stamping, pharmaceutical and any other application where “turn key” vacuum generation is required.

These individual modules are able to be stacked together to share both a common air supply and also exhaust port. This common exhaust port is particularly useful for clean room environments such as semi conductor assembly and other sensitive manufacturing environments.

ASM	05	Z	4	NC	N1		
Series	Venturi Nozzle Ø		Type	Control Circuit		Sensor	
	05	0.5mm	Single Module	NC	Normally Closed	N1	2NPN + analogue
	10	1.0mm	Z Common Supply	NO	Normally Open	N2	2NPN
	15	1.5mm	M Common Supply & Exhaust			N3	2PNP + analogue
	20	2.0mm				N4	2PNP

ASM VACUUM GENERATOR



SPECIFICATIONS

Model	Max Vacuum	Vacuum Flow l/min / CFM	Supply Pressure	Air Consumption l/min / CFM	Max Noise Level	Weight
ASM05	-85kPa 26"Hg	48 / 1.7	4-6bar 60-90psi	32-42 / 1.1-1.5	65dB(A)	250g / 8.8oz
ASM10		85 / 3.0		40-75 / 1.4-2.7		
ASM15		115 / 4.1		70-90 / 2.5-3.2		
ASM20		132 / 4.7		96-122 / 3.4-4.3		

FLOW PERFORMANCE

Model	Vacuum Flow Rates (nl/min) at Different Vacuum Levels (-kPa)									Maximum Vacuum
	0	10	20	30	40	50	60	70	80	
ASM05	41	20	12	10	8.5	7	4.5	2.6	0.5	-85kPa
ASM10	75	48	25	19	12	15	7	2.5	0.8	
ASM15	102	65	41	28	22	18	12	5	1.5	
ASM20	120	74	45	35	27	22	16	9	2.5	

Model	Vacuum Flow Rates (CFM) at Different Vacuum Levels ("Hg)									Maximum Vacuum
	0	3	6	9	12	15	18	21	24	
ASM05	1.5	0.7	0.42	0.35	0.3	0.25	0.16	0.1	0.02	26"Hg
ASM10	2.7	1.7	0.9	0.7	0.5	0.4	0.3	0.1	0.03	
ASM15	3.6	2.3	1.5	0.1	0.8	0.6	0.4	0.2	0.05	
ASM20	4.2	2.6	1.6	1.2	1.0	0.8	0.6	0.3	0.09	

TIME PERFORMANCE

Model	Time to Evacuate a Volume (s/l) to Specific Vacuum Levels (-kPa)								Maximum Vacuum
	10	20	30	40	50	60	70	80	
ASM05	0.12	0.36	0.9	1.4	2.2	3.4	4.2	7	-85kPa
ASM10	0.1	0.31	0.56	0.9	1.5	2.3	3.2	4.7	
ASM15	0.07	0.25	0.43	0.76	1.2	1.9	2.6	4	
ASM20	0.05	0.14	0.32	0.68	0.98	1.6	2.1	2.8	

Model	Time to Evacuate a Volume (s/ft ³) to Specific Vacuum Levels ("Hg)								Maximum Vacuum
	3	6	9	12	15	18	21	24	
ASM05	3.36	10	25	39	61	95	117	196	26"Hg
ASM10	2.8	9	16	25	42	64	90	131	
ASM15	2	7	12	21	33	53	73	112	
ASM20	1.4	4	9	19	27	45	59	78	

DIMENSIONS (mm)

