

ASM/ASX Series

Multistage Vacuum Pump



Features

- ◇ Integrated with vacuum control, breaking control, breaking adjustment, filter and silencer.
- ◇ Multistage nozzle makes more efficient use of compressed air.
- ◇ Light and thin design, easy to install.
- ◇ Various of combination of control valve and vacuum switch are available.
- ◇ Digital vacuum monitoring unit is available, LED display, easy adjustment.
- ◇ Optional ZCE series vacuum control unit, which can be used in conjunction with digital vacuum monitoring unit to maintain the required vacuum value, minimizing air consumption.

How to order

ASM 05 - NC - N E

① ② ③ ④ ⑤

① Series	② Specification	③ Control valve	④ Vacuum switch	⑤ Vacuum control unit
ASM - Universal type (-85kPa)	05 10	NC - Normally closed NO - Normally open Voltage: DC24V Power: 2.5W Operating temperature: -10~50°C Air supply pressure: 0-7bar	Nil - Without vacuum switch N - Vacuum switch (-100~0 kPa),2NPN P - Vacuum switch (-100~0 kPa),2PNP (Refer to ZPDB Series on page G26.)	Nil - Without vacuum control unit E - With vacuum control unit (Refer to ZCE Series on page G29.)
ASX - High vacuum level type (-92kPa)	15 20			

Technical parameters

Model	Specification	Air supply pressure (bar)	Max. vacuum level (-kPa)	Max. Vacuum flow (NL/min)	Air consumption (NL/min)	Noise level dB(A)	Weight (g)
ASM	05	4 - 6	85	48	32 - 42	65 - 70	250
	10			85	40 - 75		
	15			115	70 - 90		
	20			132	96 - 122		
ASX	05	4 - 6	92	46	24 - 30	65 - 70	250
	10			72	45 - 78		
	15			103	70 - 92		
	20			110	98 - 125		

◇Note: Optimal air supply pressure: 4.5bar.

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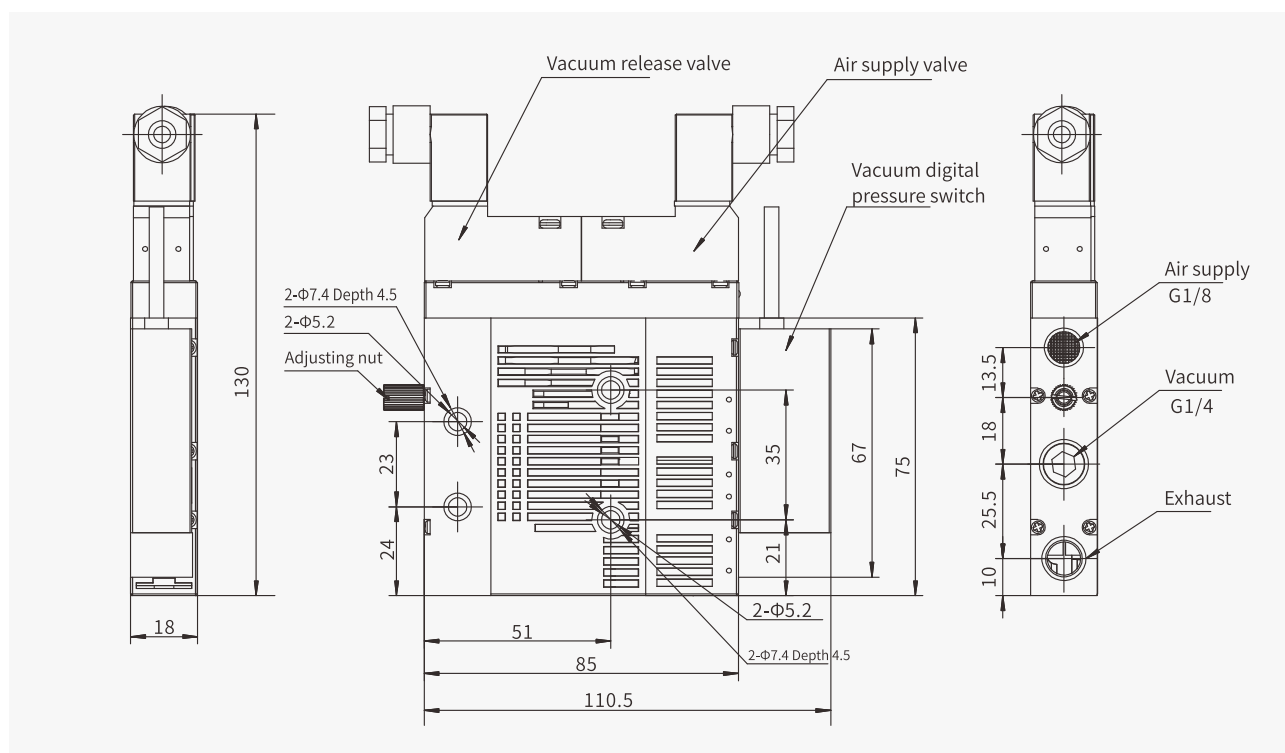
Vacuum flow (NL/min) at different vacuum levels (-kPa)

Model	Specification	Air supply pressure (bar)	0	10	20	30	40	50	60	70	80	90	Max. vacuum level (-kPa)
ASM	05	4.5	41	20	12	10	8.5	7	4.5	2.6	0.5	-	85
	10		75	48	25	19	15	12	7	2.5	0.8	-	
	15		102	65	41	28	22	18	12	5	1.5	-	
	20		120	74	45	35	27	22	16	9	2.5	-	
ASX	05	4.5	38	19	11	7.5	6	5	3.8	2.7	1.6	0.3	92
	10		58	25	18	15	12	10	7	5	2	0.5	
	15		75	48	27	20	16	13	10	7	3.7	1	
	20		95	54	32	28	22	18	15	9	4.6	1.8	

Evacuation time (s/L) to reach different vacuum levels (-kPa)

Model	Specification	Air supply pressure (bar)	10	20	30	40	50	60	70	80	90	Max. vacuum level (-kPa)
ASM	05	4.5	0.12	0.36	0.9	1.4	2.2	3.4	4.2	7	-	85
	10		0.1	0.31	0.56	0.9	1.5	2.3	3.2	4.7	-	
	15		0.07	0.25	0.43	0.76	1.2	1.9	2.6	4	-	
	20		0.05	0.14	0.32	0.68	0.98	1.6	2.1	2.8	-	
ASX	05	4.5	0.15	0.5	1.1	1.8	2.6	3.8	5.2	7	12	92
	10		0.12	0.38	0.75	1.4	1.8	2.5	3.2	4.8	9	
	15		0.1	0.28	0.47	0.76	1.2	2	2.7	3.5	7.5	
	20		0.09	0.18	0.36	0.6	0.9	1.3	2	2.6	5.2	

Dimensions (mm)



Vacuum Pump

ABM/ABX

ABM/ABX Combined type

ASM/ASX

ASM/ASX Combined type

AM/AL/AH

AM/AL/AH Combined type

AZL

ACP

ACPF

ACPS

ACV

AQV

AZH

AZU

ASBP