

SENTI Series

VSM VACUUM PUMPS



Feed pressure : 0.4 ~ 0.6 MPa  
 Air consumption : 15 ~ 126Nℓ/m  
 Max vacuum : -85 kPa  
 Noise level : 50 ~ 65 dBA  
 Material : PPS, AL  
 Working temperature : -20 ~ 80℃  
 Weight : 43 ~ 68 g

Order no.

VSM ① — ② — ③

① MODEL

capacity equivalent to electricity motor pump size

- 01 : 37 Nℓ/m (0.05 KW)
- 02 : 74 Nℓ/m (0.10 KW)
- 04 : 149 Nℓ/m (0.20 KW)
- 06 : 220 Nℓ/m (0.30 KW)

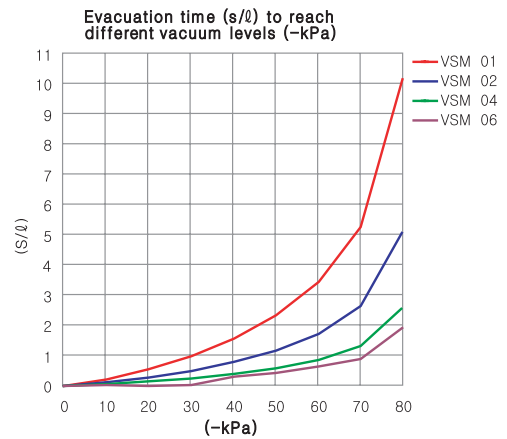
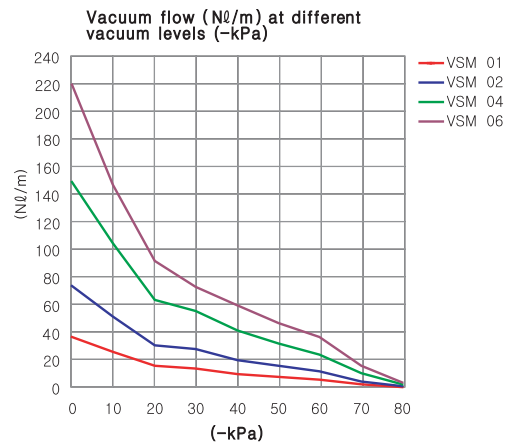
② TYPE

AIR SUPPLY PORT	VACUUM PORT	EXHAUST PORT
A : M5	PF 1/8"	INTERNAL SILENCER
B : PF 1/8"	PF 3/8"	INTERNAL SILENCER
C : PF 1/8"	PF 3/8"	EXTERNAL SILENCER

**REMARK**  
 VSM 01 - A, B, C  
 VSM 02 - A, B, C  
 VSM 04 - B, C  
 VSM 06 - B, C

③ SEALING

- N : NBR (Standard seal)
- V : VITON
- E : EPDM
- NR : NON RETURN VALVE & NBR SEAL
- NV : NON RETURN VALVE & VITON SEAL
- NE : NON RETURN VALVE & EPDM SEAL



Pump Characteristics

Model	Max. vacuum -kPa (-mmHg)	Max. vacuum flow (Nℓ/m)	Air consumption (Nℓ/m)	noise level (dBA)	weight (g)	min hose inner ∅(within 2m)		
						air supply	vacuum	exhaust
VSM 01	-85 (-637.5)	37	15 ~ 25	50 ~ 55	43	>4	>10	>12
VSM 02		74	30 ~ 42	55 ~ 60	43	>4	>10	>12
VSM 04		149	60 ~ 84	60 ~ 65	53	>6	>12	>15
VSM 06		220	90 ~ 126	60 ~ 65	68	>6	>12	>15

Induce air in liters per minute (Nℓ/ m)

Model	-mmHg -kPa	0 (-mmHg)	75	150	225	300	375	450	525	600
		0 (-kPa)	10	20	30	40	50	60	70	80
VSM 01	37	26	16	14	10	8	6	2.4	0.66	
VSM 02	74	52	31	28	20	16	12	4.8	1.32	
VSM 04	149	105	64	56	42	32	24	10.5	2.7	
VSM 06	220	147	92	73	60	47	37	16	4.1	

Time in seconds to evacuate to vacuum level (sec / ℓ)

Model	-mmHg -kPa	75 (-mmHg)	150	225	300	375	450	525	600
		10 (-kPa)	20	30	40	50	60	70	80
VSM 01	0.218	0.556	1	1.576	2.56	3.44	5.27	10.22	
VSM 02	0.109	0.278	0.5	0.788	1.178	1.72	2.635	5.158	
VSM 04	0.054	0.139	0.25	0.394	0.589	0.86	1.317	2.579	
VSM 06	0.041	0.010	0.019	0.295	0.441	0.647	0.898	1.935	