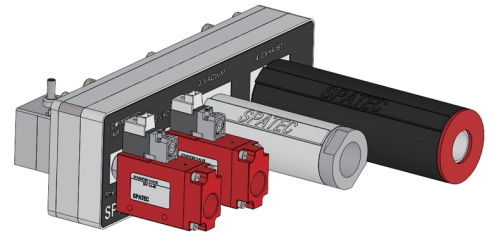


SML Series

제품의 특징 (Features of product)

- ▶ 낮은 압력에서도 작동 가능 - 공급압력 2.2~4bar Max.7bar
- ▶ 풍부한 흡입 유량 - 큰 사이즈 및 통기성이 있는 작업물에 적합
- ▶ 모터 펌프 대체 가능 - 풍부한 유량과 고진공 발생이 가능
- ▶ 에어 절감 장치 부착 가능 - 에너지 소비를 최소화 가능
- ▶ 낮은 소음도 - 작업 환경의 개선
- ▶ 풀 옵션 부착 가능 - 메인 솔밸브, 진공 파괴 솔밸브, 진공필터, 진공 센서 등
- ▶ Operating at low pressures - Supply pressure 2.2 ~ 4bar Max.7 bar
- ▶ Sufficient suction flow - Suitable for large size and ventilated work
- ▶ Possible to replace motor pump - Abundant flow and high vacuum can be generated
- ▶ Air saving device can be attached - Energy consumption can be minimized
- ▶ Low Noise - Improve work environment
- ▶ Full option available - Main sol valve, vacuum break solenoid valve, vacuum filter, vacuum sensor, etc.



2D download

3D download

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Order No.

ex) SML, 모델-전기식모터 대체용량 : 302~341 N l /m (0.25 KW), 흡입구 사이즈 : PF 1/2" (Standard), 씰링 : Standard (NBR),
에어공급 : MD4(DC 24V), 파기밸브 : RD4(DC 24V), 진공 스위치 : S (Digital display output 2 points),
진공필터 : F12(PF 1/2" (STVF-12)) 가 필요한 경우, **SML1-V12-MD4-RD4-S-F12** 를 주문하시면 됩니다.

SML ①-②-③-④-⑤-⑥-⑦

① 모델-전기식모터 대체용량

(Model-Capacity equivalent to electricity motor pump size)

- 1 : 302~341 N l /m (0.25 KW)
- 2 : 604~682 N l /m (0.5 KW)
- 3 : 902~1023 N l /m (0.75 KW)
- 4 : 1208~1364 N l /m (1.0 KW)

④ 에어공급 & 절감밸브

(Air supply C/R & ES valve & ESKMR14 valve)

- X : None
- MA1 : AC 110V Single-acting (단동)
- MA2 : AC 220V Single-acting (단동)
- MD4 : DC 24V Single-acting (단동)
- DMA1 : AC 110V Double-acting (복동)
- DMA2 : AC 220V Double-acting (복동)
- DMD4 : DC 24V Double-acting (복동)
- ES : Energy saving kit
- ESKMR14 : Energy saving kit valve system
(All in one valve-three solenoid valve)

⑥ 진공스위치-디지털 (Vacuum switch)

- X : None
- S : Digital display output 2 points
- S1 : Digital display output 2 points
(analog supply)
- PS : Digital display output 2 points
(PNP open collector)
- PS1 : Digital display output 2 points
(PNP open collector-analog supply)

② 흡입구 사이즈 (Vacuum port)

- V12 : PF 1/2" (Standard)
- V34 : PF 3/4"

③ 씰링 (Sealing)

- V : Viton
- S : Silicon
- E : EPDM
- NR : Non return valve
- No mark : Standard (NBR)

⑤ 파기밸브 (Vacuum release C/R valve)

- X : None
- RA1 : AC 110V
- RA2 : AC 220V
- RD4 : DC 24V

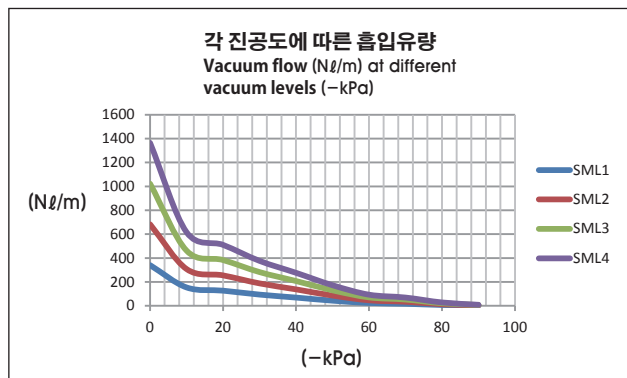
⑦ 진공필터 (Vacuum filter)

- X : None
- F12 : PF 1/2" (STVF-12)
- F34 : PF 3/4" (STVF-34)
- F12L : PF 1/2" (STVF-12L-Line filter)
- F34L : PF 3/4" (STVF-34L-Line filter)

펌프의 특징 (Pump Characteristics)

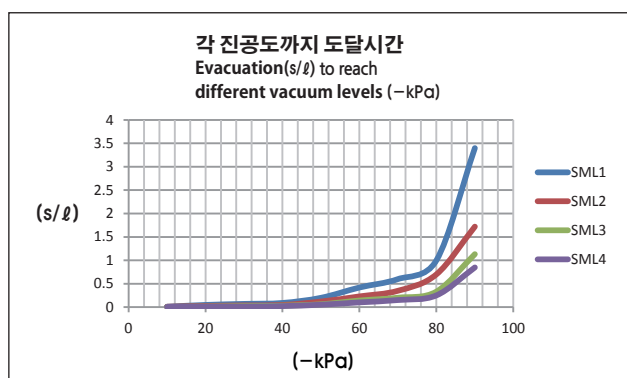
모 델 Model	공급압력 Supply Air Pressure (bar)	최대진공도 Max. vacuum (-kPa) (-mmHg)	최대흡입유량 Max. vacuum flow (N ℓ / m)	에어소모량 Air consumption (N ℓ / m)	최소호스내경 (2m이내기준) min hose innerΦ (within 2M)			소음도 Noise (d B A)	무 게 Weight (g)	사용온도 Working Temperature (°C)	사용재질 Material
					Air	Vacuum	Exhaust				
SML1	2.2~4 Max. 7	-80~92 kPa (600~690 mmHg)	302~341	95~148	>8	>15	>15	40~60	630	-20~80	AL, POM, PP
SML2			604~682	190~296	>8	>15	>15	40~60	632		
SML3			902~1023	285~444	>10	>19	>22	55~65	804		
SML4			1208~1364	380~592	>10	>19	>22	55~65	806		

진공흡입유량 (Induce air in liter per minute) (N ℓ / m)



모 델 Model	0 (-mmHg)	75	150	225	300	375	450	525	600	675
	0 (-kPa)	10	20	30	40	50	60	70	80	90
SML1	341	154	127	94	69	43	24	17	6.9	2.1
SML2	682	308	255	188	138	86	46.6	34.6	13.8	4.2
SML3	1023	462	383	282	207	129	70	52	21	6.3
SML4	1364	616	510	376	276	172	93	69	28	8.4

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



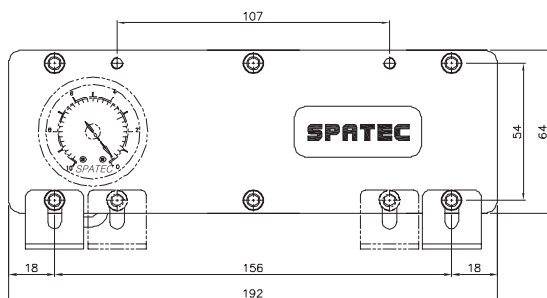
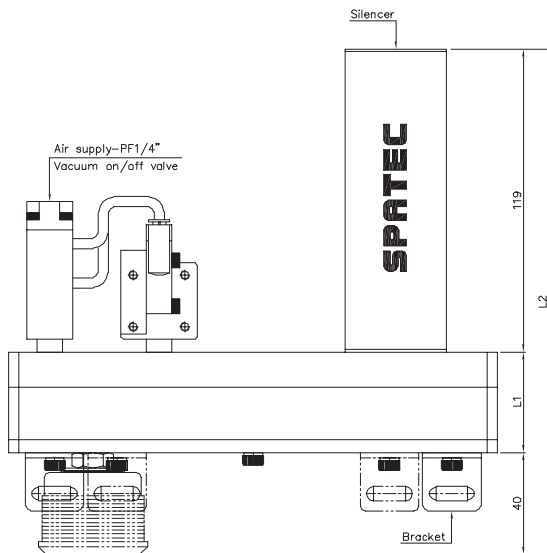
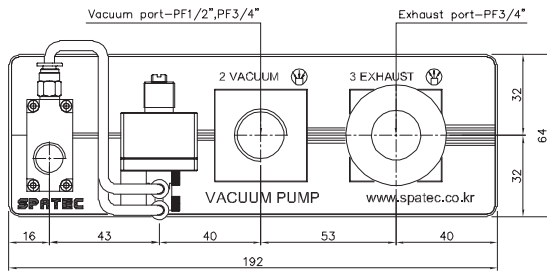
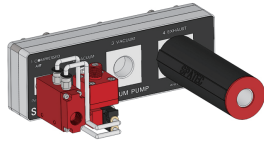
모 델 Model	75 (-mmHg)	150	225	300	375	450	525	600	675
	10 (-kPa)	20	30	40	50	60	70	80	90
SML1	0.01	0.048	0.07	0.09	0.2	0.42	0.6	1	3.4
SML2	0.01	0.026	0.037	0.047	0.12	0.23	0.35	0.7	1.72
SML3	0.004	0.01	0.02	0.03	0.06	0.14	0.2	0.33	1.13
SML4	0.003	0.01	0.01	0.02	0.05	0.1	0.15	0.25	0.85

3

옵션사양 (Option)

에어절감밸브 (Energy saving valve)

SML(1~4)-V12(V34)-ES

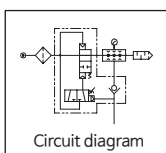
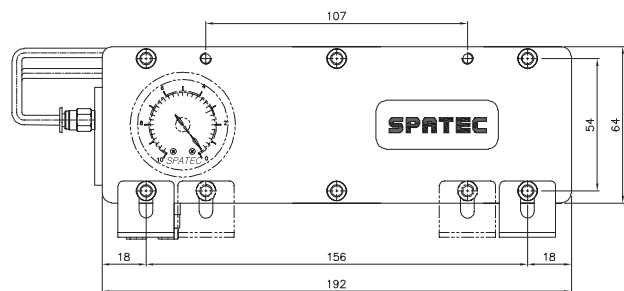
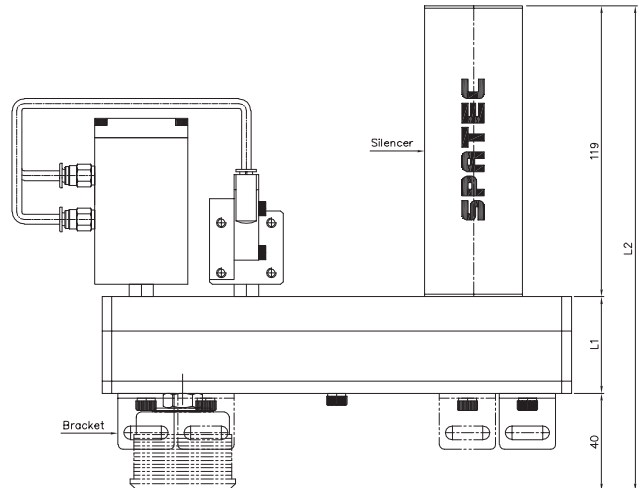
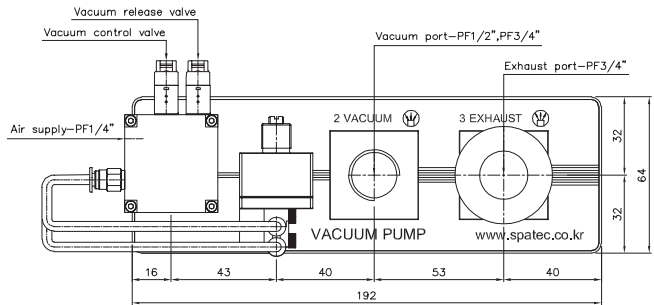
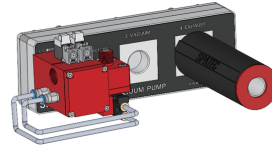


옵션사양 (Option)

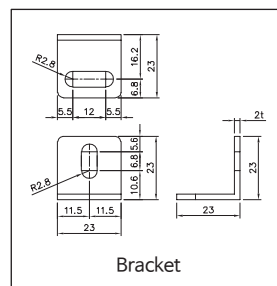
ESKMR14 : Energy saving kit valve system

(All in one valve-three solenoid valve)

SML(1~4)-V12(V34)-ESKMR14



Model	L1 (mm)	L2 (mm)
SML1	39.5	198.5
SML2	39.5	198.5
SML3	60	219
SML4	60	219



Model	L1 (mm)	L2 (mm)
SML1	39.5	198.5
SML2	39.5	198.5
SML3	60	219
SML4	60	219