X - Duplex Pump

Max. vacuum level	: -92 kPa (-27.17 inHg)
Max. flow rate	: 332 Nl/min (11.72 scfm)
Supply air pressure	: 4~6bar, max 7bar (58~87 psi, max 101.5psi)
Supply air type	: Dry compressed air
Working temperature	: -20℃ ~ 80℃
Noise level	: 57~65 dBA

Main Advantages

The Duplex VTX type is similar to the mini block type in that it uses the components of the mini type multi stage vacuum pump. The X-Duplex has the same external dimensions to that of the M-Duplex, however the internal ejector system is different to enable higher levels of vacuum to be achieved. The pumps are mounted onto a dual station manifold.
This manifold enables compact and simple installation. The manifold can accommodate two VTX30 pumps thus producing a X-Duplex 60, which gives higher flow rates in a compact format. A vacuum switch can be ordered with the unit which piggy backs one of the pumps again for compact and easy installation. There is an option for mounting the exhausts one either side, or both on one end of the manifold. There is also the option of connecting.

Order No.

VTX20KD - C - V
① ② ③

① Model – Capacity equivalent to electricity motor pump size

•	**VTX20KD**	– 0.2KW
	VTX30KD	– 0.3KW
	VTX40KD	– 0.4KW
	VTX50KD	– 0.5KW
	VTX60KD	– 0.6KW

② Vacuum Switch

•	**(P)C**	– Digital display output 2points, No analog supply M8 4-Pin connector type.
	(P)G	– Digital display output 2points, No analog supply 4-Core 2m Grommet lead wire.
	(P)GA	– Digital display output 2points, Analog supply 5-Core 2m Grommet lead wire.
	S1	– Mechanical vacuum switch
	S4	– Flashing LED light display NPN output 2points, No analog supply, 4-Core 1m lead wire.
	S5	– Flashing LED light display PNP output 1point, No analog supply, 3-Core 1m lead wire.

※ Remark : (P).. → Output type : PNP open collector

③ Sealing

	No mark	– Standard (NBR)
•	V	– Viton®
	E	– EPDM

Characteristics

Model	max. vacuum -kPa (-inHg)	Max. vacuum flow (Nl/m)	air consumption (Nl/m)	noise level (dBA)	weight (g)	min hose inner Ø (within 2m)		
						air supply	vacuum	exhaust
VTX20KD	92 (27.17)	124	86.4 – 96	57 – 60	179	⟩4	⟩10	⟩12
VTX30KD		185	129.6 – 144	57 – 63	190	⟩6	⟩10	⟩15
VTX40KD		247	172.8 – 192	60 – 63	321	⟩6	⟩12	⟩15
VTX50KD		290	216 – 240	60 – 65	329	⟩8	⟩12	⟩18
VTX60KD		332	259.2 – 288	60 – 65	338	⟩8	⟩15	⟩18

Vacuum flow in (Nl/m) at different Vacuum level (-kPa)

-inHg / -kPa / Model	0	2.95	5.9	8.85	11.81	14.76	17.71	20.67	23.62	26.57
	0	10	20	30	40	50	60	70	80	90
VTX20KD	124	72	35	32	27	22	18	12	4.8	1.8
VTX30KD	185	108	52	47	41	33	26	18	7.2	2.7
VTX40KD	247	144	69	63	54	44	35	23	9.6	3.6
VTX50KD	290	171	86	78	66	55	43	29	12	4.5
VTX60KD	332	198	102	93	78	65	51	34	14.4	5.4

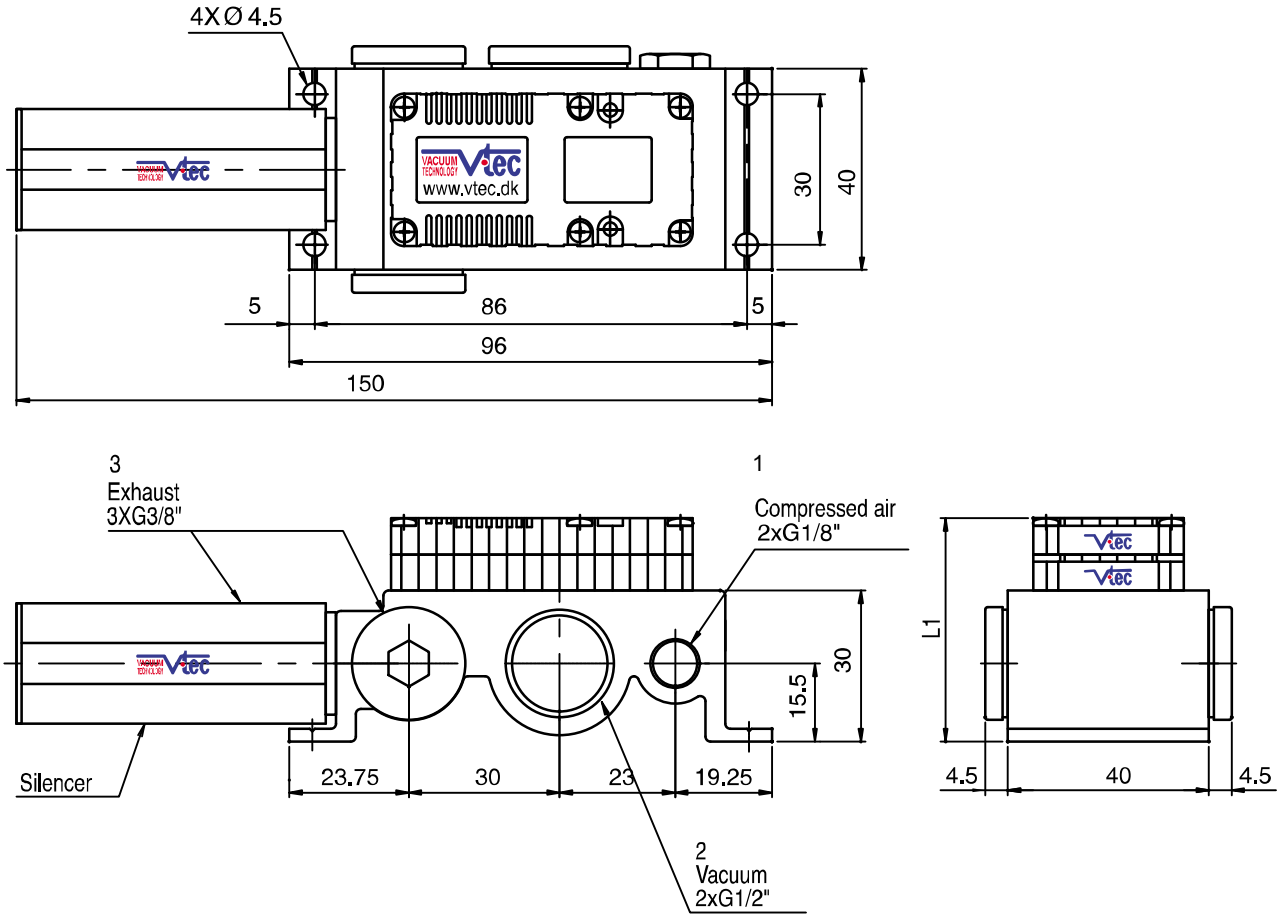
Time in seconds to evacuate to vacuum level (sec/l)

-inHg / -kPa / Model	2.95	150	5.9	11.81	14.76	17.71	20.67	23.62	26.57
	10	20	30	40	50	60	70	80	90
VTX20KD	0.064	0.199	0.379	0.6	0.89	1.227	1.722	2.54	4.797
VTX30KD	0.048	0.149	0.284	0.44	0.673	0.917	1.287	1.906	3.595
VTX40KD	0.032	0.099	0.189	0.29	0.445	0.613	0.858	1.273	2.398
VTX50KD	0.027	0.083	0.158	0.25	0.371	0.511	0.714	1.016	1.999
VTX60KD	0.021	0.067	0.126	0.2	0.297	0.409	0.569	0.848	1.599

Dimensional Information

Standard

VTM(X) 20KD
30

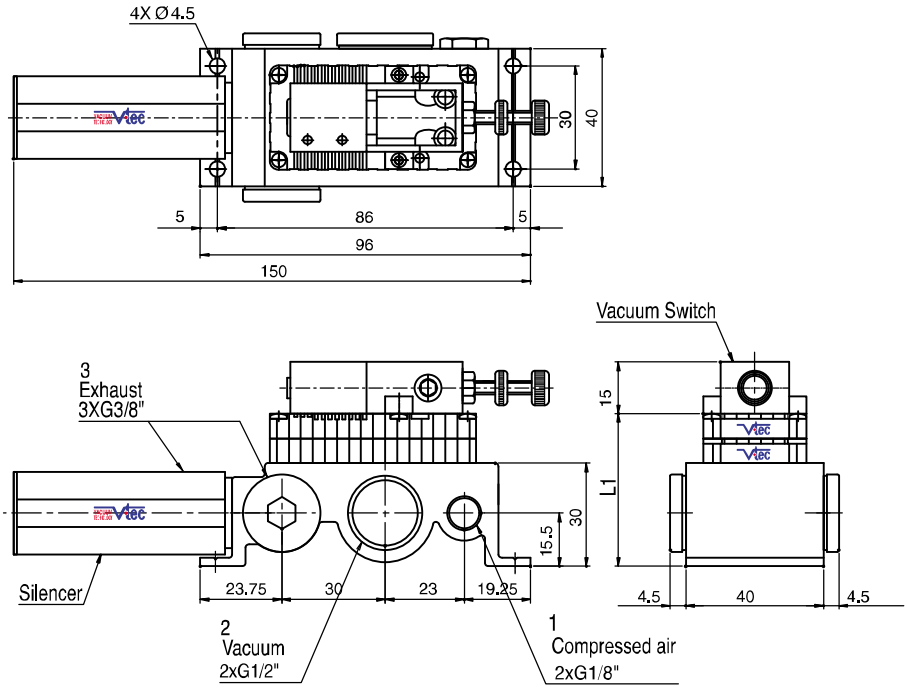


[Measure unit : mm]

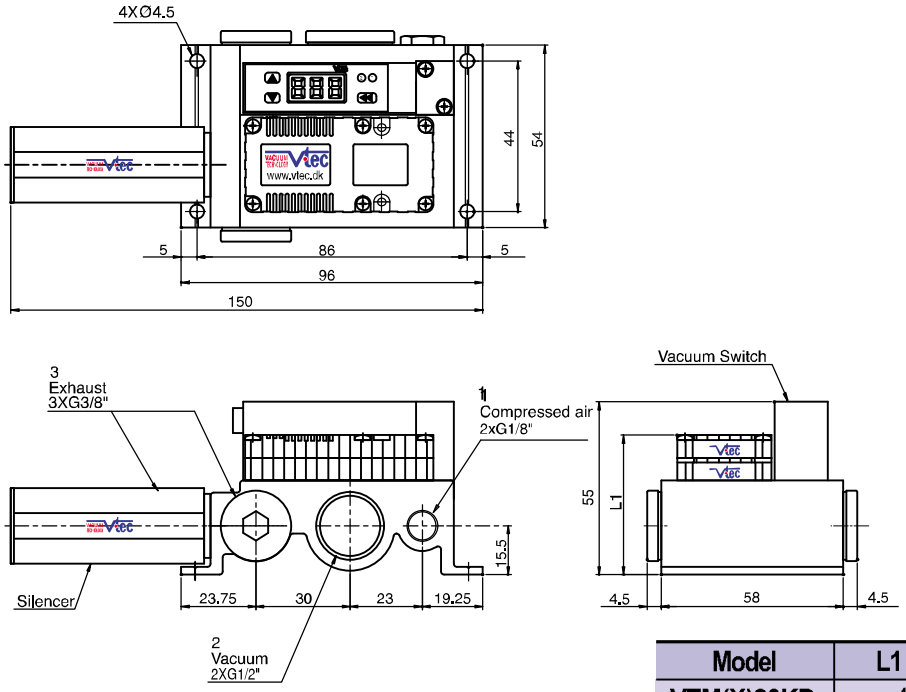
Model	L1 (mm)
VTM(X)20KD	44.4
VTM(X)30KD	51.6

Dimensional Information

with switch S1



with switch ⟶ (P)C,(P)G, (P)GA



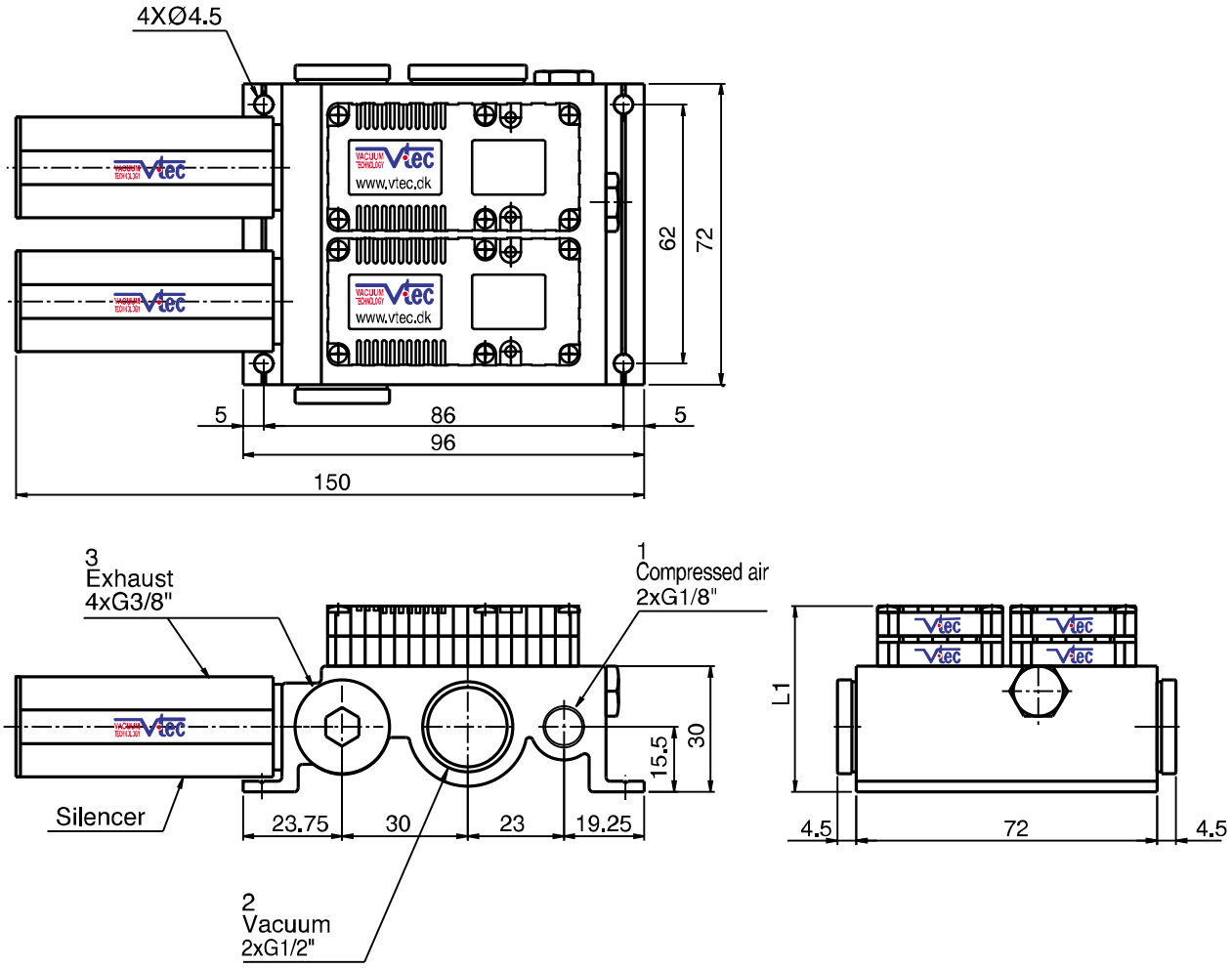
Model	L1 (mm)
VTM(X)20KD	44.4
VTMI(X)30KD	51.6

[Measure unit : mm]

Dimensional Information

Standard

VTM(X) 40KD
50
60

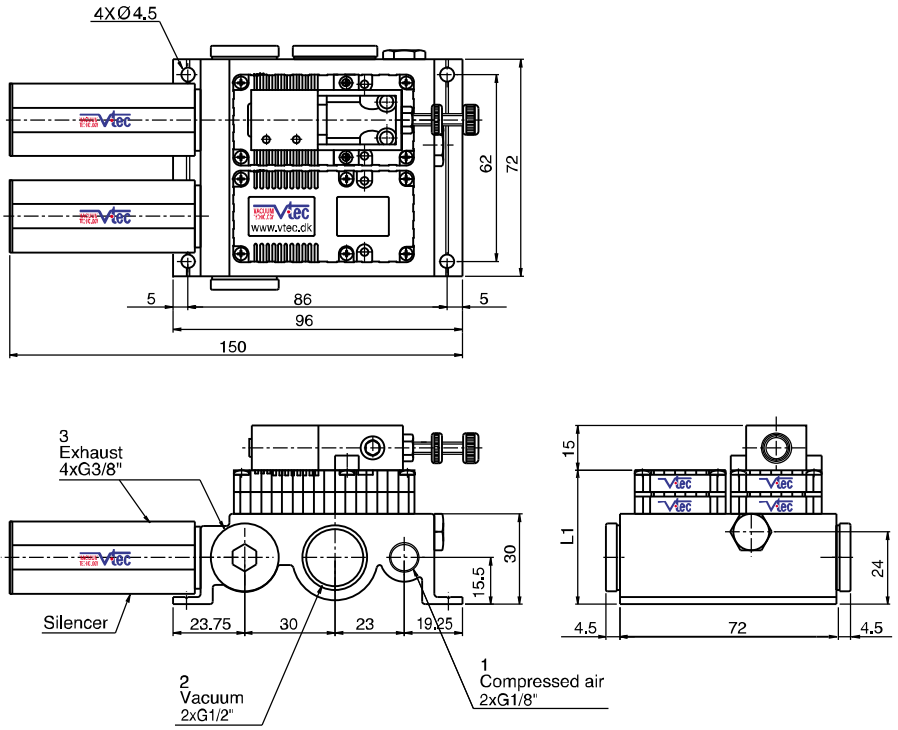


[Measure unit : mm]

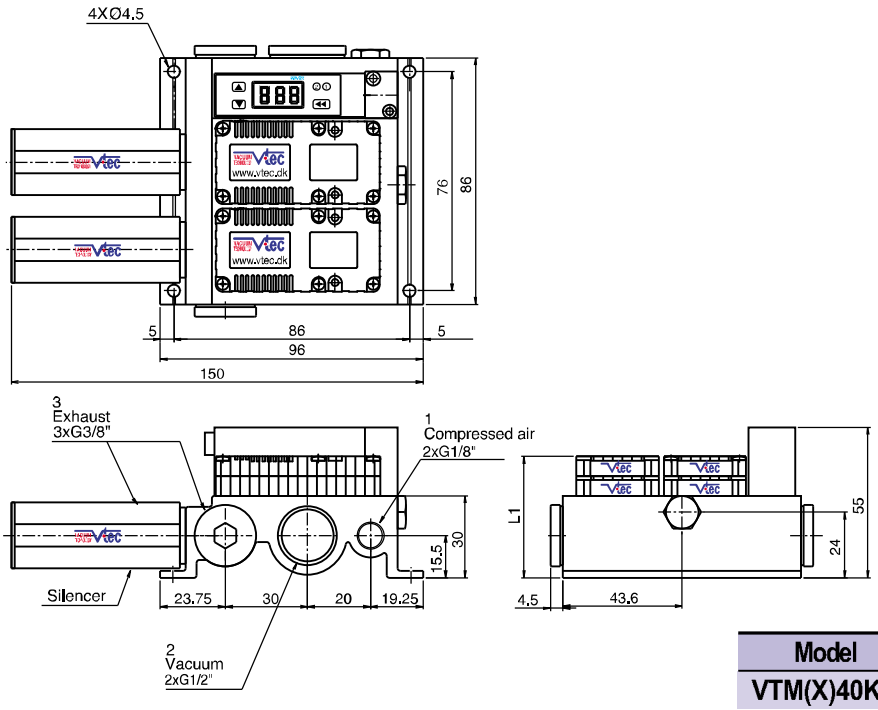
Model	L1 (mm)
VTM(X)40KD	44.4
VTM(X)50KD	51.6
VTM(X)60KD	51.6

Dimensional Information

with swicth S1



with switch ⟶ (P)C,(P)G, (P)GA



Model	L1 (mm)
VTM(X)40KD	44.4
VTM(X)50KD	51.6
VTM(X)60KD	51.6

[Measure unit : mm]