

KVTM/KVTL/KVTS Vacuum Pumps/ Generator Multistage



Product Features

- Unique patented design incorporating the latest industry technology and high-quality aluminum alloy casing.
- Higher efficiency in vacuum flow and lower air consumption, ensuring quick compensation for flow when there is leakage in the workpiece (in the case of porous materials).
- System designed for low energy consumption and higher operational efficiency, suitable for various environments and industries (for workpiece suction).
- Precisely crafted with high-quality aluminum alloy material, guaranteeing durability and quality assurance.

Performance Overview

- Standard air supply pressure: 3.5~6 bar.
- Exhaust noise: 50~60 dB(A).
- Lightweight product with easy installation.
- Maximum vacuum level: -94 kPa.

Order Code

KVTM 315 – D – N – A

① ② ③ ④ ⑤

① Model	② specifications	③ connector size	inlet port	vacuum port
KVTM–basic model	310			
(–94kPa)	311			
KVTL–flow model	312	D–310~315	G3/4	G1 1/2
(–85kPa)	313	B–310~315	NPTG3/4	NPTG1 1/2
KVTS–low vacuum model	314			
(–75kPa)	315			

④ sealing material	⑤ check valve
N–Nitrile rubber	blank–No
V– Fluoroelastomer	A–Yes
S–Silicone rubber	

performance parameters

■ KVTM310~350

Model	supply air pressure (bar)	maximum vacuum level (-kPa)	maximum vacuum flow rate (NL/min)	air consumption (NL/min)	recommended pipe diameter(Ømm)	
					inlet port	vacuum port
KVTM310	4.5	94	2820	1350	8	25
KVTM311	4.5	94	3180	1505	10	25
KVTM312	4.5	94	3500	1650	8	25
KVTM313	4.5	94	3780	1785	10	25
KVTM314	4.5	94	4020	1910	8	25
KVTM315	4.5	94	4230	2025	10	25

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

Model	supply air pressure (bar)	air consumption (NL/min)	maximum vacuum level (-kPa)										
			0	10	20	30	40	50	60	70	80	90	
KVTM310	4.5	1350	2820	2185	1440	948	514	278	150	76.8	43.2	18	94
KVTM311	4.5	1505	3180	2464	1623	1069	580	314	170	84.4	47.5	19.8	94
KVTM312	4.5	1650	3500	2712	1786	1176	637	345	185	92.1	51.8	21.6	94
KVTM313	4.5	1785	3780	2930	1913	1260	683	370	200	99.8	56.1	23.4	94
KVTM314	4.5	1910	4020	3115	2050	1350	732	397	215	107.5	60.4	25.2	94
KVTM315	4.5	2025	4230	3278	2159	1422	771	418	226	115.2	64.8	27	94

■ KVTL310~350

Model	supply air pressure (bar)	maximum vacuum level (-kPa)	maximum vacuum flow rate (NL/min)	air consumption (NL/min)	recommended pipe diameter(Ømm)	
					inlet port	vacuum port
KVTL310	6	94	2770	1050	8	25
KVTL311	6	94	3100	1175	10	25
KVTL312	6	94	3390	1290	8	25
KVTL313	6	94	3660	1400	10	25
KVTL314	6	94	3910	1490	8	25
KVTL315	6	94	4160	1575	10	25

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

Model	supply air pressure (bar)	air consumption (NL/min)	maximum vacuum level (-kPa)										maximum vacuum level (-kPa)
			0	10	20	30	40	50	60	70	80	90	
KVTL310	6	1050	2770	2146	1449	978	660	445	340	200	80	32	85
KVTL311	6	1175	3100	2402	1621	1094	738	500	374	220	88	35.2	85
KVTL312	6	1290	3390	2627	1773	1197	808	545	408	240	96	38.4	85
KVTL313	6	1400	3660	2836	1914	1292	872	588	442	260	104	41.6	85
KVTL314	6	1490	3910	3030	2045	1380	931	629	476	280	112	44.8	85
KVTL315	6	1575	4160	3124	2176	1468	991	669	510	300	120	48	85

■ KVTS310~350

Model	supply air pressure (bar)	maximum vacuum level (-kPa)	maximum vacuum flow rate (NL/min)	air consumption (NL/min)	recommended pipe diameter(Ømm)	
					inlet port	vacuum port
KVTS310	3.5	75	2520	1100	8	12
KVTS311	3.5	75	2810	1230	8	15
KVTS312	3.5	75	3080	1350	8	19
KVTS313	3.5	75	3340	1460	8	25
KVTS314	3.5	75	3570	1560	10	25
KVTS315	3.5	75	3780	1650	10	25

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

Model	supply air pressure (bar)	air consumption (NL/min)	maximum vacuum level (-kPa)										maximum vacuum level (-kPa)
			0	10	20	30	40	50	60	70	80	90	
KVTS310	3.5	1100	2520	1950	1320	890	600	405	225	155	75	—	75
KVTS311	3.5	1230	2812	2180	1470	990	670	450	247	170	82	—	75
KVTS312	3.5	1350	3084	2390	1610	1090	740	496	270	186	90	—	75
KVTS313	3.5	1460	3336	2590	1740	1180	780	540	292	201	97	—	75
KVTS314	3.5	1560	3568	2760	1870	1260	850	575	315	217	105	—	75
KVTS315	3.5	1650	3780	2930	1980	1340	900	610	337	232	112	—	75

Dimensions

KVTM/KVTL/KVTS310~315

