



# PROVAC

## SALES

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# Varian Minuteman TV-70LP Technical Specifications

Turbo Pump	Diaphragm Pump	Inlet Flange	Pumping Speed (#s, N <sub>2</sub> )	Compression Ratio (N <sub>2</sub> )	System Base Pressure (torr) (no load)
V-70D	MDP 30	KF-40	40	5.00E+07	1.06E-08
V-70D	MDP 30	ISO-63	60	5.00E+07	1.06E-08
V-70D	MDP 30	2.75 in. CFF	40	5.00E+07	1.06E-08
V-70D	MDP 30	4½ in. CFF	60	5.00E+07	1.06E-08
V-70D	MD 40	KF-40	40	5.00E+07	1.50E-07
V-70D	MD 40	ISO-63	60	5.00E+07	1.50E-07
V-70D	MD 40	2.75 in. CFF	40	5.00E+07	1.50E-07
V-70D	MD 40	4½ in. CFF	60	5.00E+07	1.50E-07
V-70D	MD 60	KF-40	40	5.00E+07	3.00E-08
V-70D	MD 60	ISO-63	60	5.00E+07	3.00E-08
V-70D	MD 60	2.75 in. CFF	40	5.00E+07	3.00E-08
V-70D	MD 60	4½ in. CFF	60	5.00E+07	3.00E-08
V-70LP	MDP 30	KF-40	46	5.00E+08	1.06E-09
V-70LP	MDP 30	ISO-63	68	5.00E+08	1.06E-09
V-70LP	MDP 30	2.75 in. CFF	46	5.00E+08	1.06E-09
V-70LP	MDP 30	4½ in. CFF	68	5.00E+08	1.06E-09
V-70LP	MD 40	KF-40	46	5.00E+08	1.50E-08
V-70LP	MD 40	ISO-63	68	5.00E+08	1.50E-08
V-70LP	MD 40	2.75 in. CFF	46	5.00E+08	1.50E-08
V-70LP	MD 40	4½ in. CFF	68	5.00E+08	1.50E-08
V-70LP	MD 60	KF-40	46	5.00E+08	3.00E-09
V-70LP	MD 60	ISO-63	68	5.00E+08	3.00E-09
V-70LP	MD 60	2.75 in. CFF	46	5.00E+08	3.00E-09
V-70LP	MD 60	4½ in. CFF	68	5.00E+08	3.00E-09
V-150HT	MDP 30	ISO-63	100	3.00E+08	1.77E-09
V-150HT	MDP 30	ISO-100	130	3.00E+08	1.77E-09
V-150HT	MDP 30	4½ in. CFF	100	3.00E+08	1.77E-09
V-150HT	MDP 30	6 in. CFF	130	3.00E+08	1.77E-09
V-150HT	MD 40	ISO-63	100	3.00E+08	2.50E-08
V-150HT	MD 40	ISO-100	130	3.00E+08	2.50E-08
V-150HT	MD 40	4½ in. CFF	100	3.00E+08	2.50E-08
V-150HT	MD 40	6 in. CFF	130	3.00E+08	2.50E-08
V-150HT	MD 60	ISO-63	100	3.00E+08	5.00E-09
V-150HT	MD 60	ISO-100	130	3.00E+08	5.00E-09
V-150HT	MD 60	4½ in. CFF	100	3.00E+08	5.00E-09
V-150HT	MD 60	6 in. CFF	130	3.00E+08	5.00E-09
V-250	MDP 30	ISO-100	250	2.00E+08	2.65E-09
V-250	MDP 30	6 in. CFF	250	2.00E+08	2.65E-09
V-250	MD 40	ISO-100	250	2.00E+08	3.75E-08
V-250	MD 40	6 in. CFF	250	2.00E+08	3.75E-08
V-250	MD 60	ISO-100	250	2.00E+08	7.50E-09
V-250	MD 60	6 in. CFF	250	2.00E+08	7.50E-09

\* In accordance with DIN 28428: ConFlat flanged, metal gasketed TMP inlet; pressure measured within 48 hours after termination of bakeout.



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## Varian Minuteman TV-70LP Features & Benefits

- fast, oil-free high vacuum
- single control switch operation
- fully engineered, high performance system
- fast pumping of impulsive gas with diaphragm backing pump, combined with MacroTorr turbomolecular drag pump
- available in 42 configurations based on your application needs
- optional accessories include automatic vent valves, inlet valves, vacuum hardware, & a mobile carrying case

## Applications

- turbo system backing
- vacuum tube processing
- UHV system roughing
- analytical instrumentation pumping
- cryo pump roughing & regeneration

## Dimensions

Outline Drawing Inches (mm)

