

Technical data

Type		BVC control / G
		BVC professional / G
		Pump
Maximum pumping speed (ISO 21360) at 50/60 Hz	cfm (m ³ /h)	0.4/ 0.5 (0.7 / 0.8)
Ultimate vacuum (absolute)	Torr (mbar)	112 (150)
Maximum permissible inlet pressure (absolute)	psi (bar)	16 (1.1)
Maximum permissible outlet pressure (absolute)	psi (bar)	16 (1.1)
Rated power	hp (kW)	0.054 (0.04)
No-load speed 50/60 Hz	rpm	1500 / 1800
Control range	Torr (mbar)	112 - 637 (150 - 850)
Permissible ambient temperature storage / operation	°F (°C)	14 to 140 / 50 to 104 (-10 to +60 / +10 to +40)
Maximum installation altitude	m	2000 above mean sea level
Permissible relative atmospheric moisture during operation (no condensation)	%	30 to 85
Maximum permissible range of supply voltage (±10%) Attention: Observe specifications of rating plate!		100-115 V~ 50/60 Hz 120 V~ 60 Hz 230 V~ 50/60 Hz
Maximum rated current at: 100-115 V~ 50/60 Hz 120 V~ 60 Hz 230 V~ 50/60 Hz	A A A	1.9 / 1.4 1.4 0.8 / 0.6
Fuse		2 x 2.5 AT, 0.19 x 0.78 in (5 x 20 mm)
Motor protection		thermal cutout
Overvoltage category		II
Degree of protection IEC 60529		IP 40
Degree of protection UL 50E		type 1
Pollution degree		2
A-weighted emission sound pressure level* (uncertainty K _{pA} : 3 dB(A))	dB(A)	49

* Measurement according to EN ISO 2151:2004 and EN ISO 3744:1995 at 230V/50Hz and ultimate vacuum with exhaust tube at outlet.

Type		BVC control / G BVC professional / G
		System
Volume of collection bottle	gal (l)	1 (polypropylene) / 0.5 (borosilicate glass) (4 (polypropylene) / 2 (borosilicate glass))
Connection at the inlet		hose nozzle DN 3/5mm
Connection at the outlet		hose nozzle DN 8 mm / silencer
Hydrophobic filter Type Manufacturer Nominal pore diameter		Midisart® 2000 Sartorius stedim 0.2 µm
Dimensions L x W x H approx.		
BVC control	in	16.1 x 7.6 x 19.7
BVC control G	in	16.1 x 7.6 x 16.9
BVC professional	in	16.1 x 7.6 x 19.7
BVC professional G	in	16.1 x 7.6 x 16.9
BVC control	(mm)	(408 x 194 x 500)
BVC control G	(mm)	(408 x 194 x 430)
BVC professional	(mm)	(408 x 194 x 500)
BVC professional G	(mm)	(408 x 194 x 430)
Weight approx.		
BVC control / professional	lbs.	16.1 (230V) / 17.0 (120V)
BVC control G / professional G	lbs.	17.0 (230V) / 17.9 (120V)
BVC control / professional	(kg)	(7.3 (230V) / 7.7 (120V))
BVC control G / professional G	(kg)	(7.7 (230V) / 8.1 (120V))

Wetted parts

Components	Wetted materials
Pump	
Housing cover insert	PTFE, carbon reinforced
Head cover	ETFE, carbon fibre reinforced
Diaphragm clamping disc	ETFE, carbon fibre reinforced
Diaphragm	PTFE
Valve	PTFE / FFKM
Inlet	ETFE
Outlet	ETFE
Silencer	silicone rubber
Filter	
Diaphragm	PTFE
Housing	PP
Tubing	silicone rubber
Collection bottle 4l	
Bottle / screw cap	PP
Hose nozzle at bottle head (connection VHC ^{pro})	PP
Hose in bottle	PTFE
Hose nozzle (connection filter)	PPS, glass fibre reinforced
Counter nut	PP
Closing screw	PPS, glass fibre reinforced
Collection bottle 2l	
Bottle	Borosilicate glass
Cap insert	PP
Flat seal	EPDM
Hose nozzle at bottle head (connection VHC ^{pro})	PP
Hose in bottle	PTFE
Hose nozzle (connection filter)	PPS, glass fibre reinforced
Closing screw	PPS, glass fibre reinforced