

Technical data

Type		BVC basic BVC basic G
Vacuum control		mechanical vacuum controller
Maximum switch on pressure (vacuum controller)	Torr (mbar)	375 (500)
Minimum switch off pressure (vacuum controller)	Torr (mbar)	112 (150)
Minimum hysteresis (vacuum controller)	Torr (mbar)	37 (50)
Maximum permissible inlet pressure (absolute)	psi (bar)	16 (1.1)
Maximum permissible outlet pres- sure (absolute)	psi (bar)	16 (1.1)
Maximum permissible difference pressure between inlet and outlet	psi (bar)	16 (1.1)
Permissible ambient temperature storage / operation	°F (°C)	14 to 140 / 50 to 104 (-10 to +60 / +10 to +40)
Permissible relative atmospheric moisture during operation (no condensation)	%	30 to 85
Maximum media temperature continuous operation short time (< 5 minutes)	°F (°C) °F (°C)	104 (40) 176 (80)
Inlet connection		hose nozzle DN 3/5mm
Connection vacuum supply		hose nozzle DN 6/10 mm / PTFE tubing 8/10 mm
Hydrophobic filter Type Manufacturer Nominal pore diameter		Midisart® 2000 Sartorius Stedim 0.2 µm
Degree of protection IEC 60529		IP 54
Volume collection bottle	gal (l)	1 (polypropylene) / 0.5 (borosilicate glass) (4 (polypropylene) / 2 (borosilicate glass))
Dimensions L x W x H approx. BVC basic BVC basic G	in (mm)	9.9 x 7.9 x 19.3 (250 x 200 x 490) 9.1 x 7.1 x 17.0 (230 x 180 x 430)
Weight approx.	lbs. kg	6.2 (2.8)

We reserve the right for technical modifications without prior notice!

Wetted parts

Components	Wetted materials
System	
Hose nozzle (to vacuum supply)	PP
Valve block	PPS glass fibre reinforced
closing cap	PTFE
Valve	FFKM
Diaphragm	FFKM
Flat seal	FFKM
O-ring / seal ring	FPM
Transition piece	PP
Elbow fitting	ETFE
Hose	PTFE
Lead through (metal support)	PP
Hose nozzle (on metal support)	PPS glass fibre reinforced
Connection hose (before and behind filter)	silicone rubber
Filter	
Diaphragm	PTFE
Housing	PP
Collecting bottle (BVC basic)	
Bottle / screw cap	PP
Hose nozzle at bottle head	PP
Tubing in bottle	PTFE
Hose nozzle (connection filter)	PPS glass fibre reinforced
Transition piece	PP
Counter nut	PP
Closing screw	PPS glass fibre reinforced
Collecting bottle (BVC basic G)	
Bottle	borosilicate glass
Cap insert	PP
Flat seal	EPDM
Hose nozzle at bottle head	PP
Tubing in bottle	PTFE
Hose nozzle (connection filter)	PPS glass fibre reinforced
Closing screw	PPS glass fibre reinforced

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