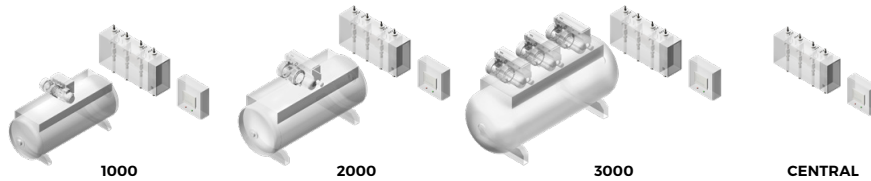


TECHNICAL DATA: HIGHVAC ULTIMATE 4C VACUUM SYSTEMS



	HIGHVAC ULTIMATE 4C 1000	HIGHVAC ULTIMATE 4C 2000	HIGHVAC ULTIMATE 4C 3000	HIGHVAC ULTIMATE 4C CENTRAL
Die casting machine tonnage (t)	< 3000 approx.	< 4500 approx.	< 4500 approx.	all
VACUUM SYSTEM FRAME				
Mobile unit (on wheels)	-	-	-	-
Frame and tank material	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Vacuum tank capacity (l)	1000	2000	3000	-
Vacuum value in the tank (mbar)	1	1	1	-
External dimensions (mm)				
Width	2550	3000	3150	1470
Depth	900	1100	1200	400
Height	1450	1800	2020	720
Weight (kg)	598	768	1107	158
VACUUM SYSTEM COMPONENTS				
Vacuum pump BUSCH Series RA (m ³ /h)	1 x 100	1 x 160	1 x 160	-
Automation SIEMENS HMI PLC	TP 1200 - 12" CPU 315-2	TP 1200 - 12" CPU 315-2	TP 1200 - 12" CPU 315-2	TP 1200 - 12" CPU 315-2
Pneumatic system FESTO	▪	▪	▪	▪
Number of vacuum channels	4	4	4	4
Evacuation section of vacuum channels (mm ²)	4 x 800	4 x 800	4 x 800	4 x 800
Vacuum regulation system	▪	▪	▪	▪
Buffer tank	2 x 5 l at 6 bar 1 x 5 l System pressure	2 x 5 l at 6 bar 1 x 5 l System pressure	2 x 5 l at 6 bar 1 x 5 l System pressure	2 x 5 l at 6 bar 1 x 5 l System pressure
Language pack (English, German, French, Italian, Spanish, Portuguese, Swedish, Turkish, Polish, Czech, Romanian, Russian, Chinese, Japanese, Korean)	▪	▪	▪	▪
VACUUM SYSTEM MONITORING AND MEASUREMENTS				
Vacuum measurements and monitoring per vacuum channel	▪	▪	▪	▪
Illustration of the vacuum curve per vacuum channel	▪	▪	▪	▪
Export and storage of vacuum curves on USB (Excel)	▪	▪	▪	▪
Pollution control per vacuum channel	▪	▪	▪	▪
Illustration of the pollution control curve per vacuum channel	-	-	-	-
Profile control per vacuum channel	▪	▪	▪	▪
Illustration of the profile control curve per vacuum channel	-	-	-	-
Evacuated air volume measurement per shot	▪	▪	▪	▪
Leak test (mold and shot sleeve)	▪	▪	▪	▪
Settings: Internal storage of settings for individual projects/molds (no. of files) / External backup/restore of settings (Excel) via MMC/USB	50	50	50	50
Log data: Internal storage of production data (no. of cycles) / External backup of production data (Excel) via MMC/USB/Ethernet	1000	1000	1000	1000
Control of all types of Fondarex SUPERVAC valves and CHILL-BLOCKS	▪	▪	▪	▪
Control of all valves types (other brands)	▪	▪	▪	▪
Standby mode	▪	▪	▪	▪
Calibration of vacuum sensors	▪	▪	▪	▪
Alarm management (process and maintenance)	▪	▪	▪	▪
Error diagnostics display	▪	▪	▪	▪
Recording of error log data	▪	▪	▪	▪
Type of interface	Profinet / Profi- bus or potential free contacts	Profinet / Profi- bus or potential free contacts	Profinet / Profi- bus or potential free contacts	Profinet / Profi- bus or potential free contacts
VACUUM SYSTEM OPTIONS				
Pump upgrade (m ³ /h)	2 x 100	2 x 160	2/3 x 160	-
Ethernet Pack	▪	▪	▪	▪
HUMIDITY SENSOR	▪	▪	▪	▪
PROFINET and/or PROFIBUS interface	▪	▪	▪	▪