

FX VAC

Model 4



FONDAREX®

GENERATION		2026.07
Mobile configuration		Yes
Cell configuration		Yes
Central configuration		Yes
Vacuum channels / CCABs		1 to 4
Controls chill blocks		Yes
Controls mechanical valves		Yes
Controls hydraulic valves (With position sensor or with transducer sensor)		Yes
Tank capacity	900 l (Mobile configuration) 1000 l (Cell configuration) 2000 l (Cell configuration) 3000 l (Cell configuration)	
Vacuum pump performance	100 m³/h (Tank 900 l) 160 m³/h (Tank 1000 l / 2000 l) 200 m³/h (Tank 2000 l / 3000 l) 300 m³/h (Tank 3000 l)	
HMI	Mobile: Integrated HMI (Standard) Cell: Remote HMI (Standard)	
Fan for main cabinet (MCAB)	Max. 42 °C	
MONITORING (HMI-DISPLAY)		
Language (Standard)	EN (US) / EN (UK) / DE / FR / IT / SP / PT / SE / CZ / SK / PL / RO / HU / SL / HR / GR / TR / CN / KR / JP	
Process overview display	Yes	
Vacuum in the tank	Yes	
Vacuum at die side	Per CCAB	
Pollution control (Filter)	Per CCAB	
Profile control (Chill-block)	Per CCAB	
Evacuated air volume	Yes	
Compressed air pressure	Yes	
MONITORING (CURVE OVER TIME)		
Vacuum in the tank	Yes	
Vacuum at die side	Per CCAB	
Curve modes	Continuous curve Defined start-end time curve Frozen curve at defined time	
RECORDED VALUES		
Storage medium	USB-Stick / OPC-UA	
Production data	Yes	
Vacuum on die side per cycle	Per CCAB	
Pollution control per cycle	Per CCAB	
Profile control per cycle	Per CCAB	
Evacuated air volume per cycle	Yes	
Vacuum active setting	Yes	
Hydraulic valve closing setting	Yes	
FEATURES		
Timer setting mode	Yes	
Stroke setting mode	Yes	
Automatic / Manual mode	Yes	
Tolerance setting (Per CCAB)	Vacuum Pollution control Profile control Evacuated air volume	
Vacuum control (regulation) (Per CCAB)	Yes	
Vacuum for shot sleeve	Yes	
Blowing function	Yes	
Leak test	Per CCAB	
Fault recording	Yes	
Recipe management	Yes	
Stand-by mode for energy saving	Yes	

KEY COMPONENTS	
CPU	Siemens
HMI	Siemens 10"
Internal field bus technology	I/O-Link
Pump Type	Busch rotary vane vacuum pump
Frame material	Stainless steel
Tank material	Stainless steel
Protection class (MCAB)	IP54
Protection class (CCAB)	IP65
ENVIRONMENTAL CONDITIONS	
Temperature	5–42 °C
Relative air humidity	0–90 % (Not condensing)
Pressurized air	5–7 bar at 3500 l/min
DIMENSIONS [WIDTH X HIGHT X DEPTH] / WEIGHT	
Dimension FX VAC MODEL 4 Mobile 900	2338 x 900 x 1360 mm
Weight FX VAC MODEL 4 Mobile 900	620 kg
Dimension MCAB	1170 x 900 x 390 mm
Weight MCAB	51 kg
Dimension CCAB	900 x 220 x 270 mm
Weight CCAB	22 kg
VOLTAGE / CERTIFICATION	
Voltage, max. power consumption (Standard)	3 x 400V ± 10 % / 50hz ± 1 %
Voltage, max. power consumption (Optional)	3 x 480V ± 10 % / 60hz ± 0,5 %
Certification	CE (Standard) / UL (Optional)
CONNECTORS / FITTINGS	
CCAB input vacuum	DN40
CCAB output vacuum	DN25
CCAB M pipe fitting	8L G1/4"
CCAB S pipe fitting	8S G1/4"
CCAB pressurized air	1/2"
OPTIONS	
Profinet interface to DCM	Optional
Profibus interface to DCM	Optional
Anybus	Optional
Advanced communication	Optional
HMI remote panel	Mobile: Optional
Type of HMI Wein View	10" (Optional) 20" (Optional)
Analog curve display on DCM (Trace channel)	Optional
Indicator light tower deported	Optional
Remote assistance (EWON)	Optional
Compressed air regulator	Mobile = Standard / Cell = Optional
Air conditioner	Optional
Extension for power supply	From 25 m
Maintenance set	Optional

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