CONTOIL®

VZF II / VZFA II, DN 15 – 50

List of parameters
Default parameters are in ***bold*** - ***italic*** letters.

Customized parameters
In order to adjust the parameters, scroll to the [SEtUP] item from the Main Menu and press the Enter key ↵.

No code is required to view parameters.
To adjust any parameter in the Seutp menu, the device must be unlocked (🔓) with the user code.
Press both keys (↵ + ▼) simultaneously for 4 seconds until **[CodE0000] is displayed.**

Settings apply to:

Yellow highlighted values can be preset in the factory.

Default settings

Parameter	Description	Cust Set
Setup menu		
Unit volume	***L***, G, m^3	
Unit time	s, min, ***h***	
Unit temperature	**°C**, °F	
Unit mass	**kg**, t, lb	
Nominal size*	15, ***20***, 25, 40, 50	
Measuring chamber*	default: per selected size, or calibrated value	
Trip Reset		
Reset yes / no	***yes***, no	
Low flow cut off	***Qstart***, 0...Qmin	
Compensation	***off***, on	
Mass Compensation	***off***, on	
Oil Fuel	***Oil Fuel***, Oil Lube	
°t Limit	***60°C***, 0...200°C (32...392°F)	
dd__kg/m3	***880kg/m³***, 800...1200kg/m^3 (@ 15°C)	
dH__kg/m3	***990kg/m³***, 800...1200kg/m^3 (@ 15°C)	
dL__kg/m3	***900kg/m³***, 800...1200kg/m^3 (@ 15°C)	

Output 1	***Volume***, Flow, Mass, Mass Flow, Limit, State, off	Volume
Volume output		
Pulse width	***50ms***, 2...500ms	
Liter per pulse	***1UPP***, 0.001...1000UPP ***[0.1UPP DN15]***	
Flow output		
Min Flow	***Qmin***, 0...Qmax	
Min Frequency	***20Hz***, 1...200Hz	
Max Flow	***Qcont***, 0...Qmax	
Max Frequency	***200Hz***, 1...200Hz	
Mass output		
Pulse width	***50ms***, 2...500ms	
Liter per pulse	***1UPP***, 0.001...1000UPP ***[0.1UPP...DN15]***	
Mass Flow output		
Min Flow	***Qmin***, 0...Qmax	
Min Frequency	***20Hz***, 1...200Hz	
Max Flow	***Qcont***, 0...Qmax	
Max Frequency	***200Hz***, 1...200Hz	
Limit output		
Limit min	***Qmin***, full range of size	
Limit max	***Qmax***, full range of size	
Hysteresis	***1%***, 1...9%	
Logic position	***Logic Hi***, Logic Lo	
State output		
State behavior	***Error***, Alarm, UCC	
Logic position	***Logic Hi***, Logic Lo	

Default settings

Parameter	Description	Cust Set
Output 2	***Volume***, Flow, Mass, Mass Flow, Temperature, Limit, State, off	Volume
Volume output		
Pulse width	***50ms***, 2...500ms	
Liter per pulse	***1UPP***, 0.001...1000UPP ***[0.1UPP DN15]***	
Flow output		
Min Flow	***Qmin***, 0...Qmax	
Min Frequency	***20Hz***, 1...200Hz	
Max Flow	***Qcont***, 0...Qmax	
Max Frequency	***200Hz***, 1...200Hz	
Mass output		
Pulse width	***50ms***, 2...500ms	
Liter per pulse	***1UPP***, 0.001...1000UPP ***[0.1UPP...DN15]***	
Mass Flow output		
Min Flow	***Qmin***, 0...Qmax	
Min Frequency	***20Hz***, 1...200Hz	
Max Flow	***Qcont***, 0...Qmax	
Max Frequency	***200Hz***, 1...200Hz	
Temperature output		
Min Temperature	***20°C / 68°F***, 0...Tmax	
Min Frequency	***20Hz***, 1...200Hz	
Max Temperature	***100°C / 212°F***, 0...Tmax (Tmax = 200°C / 392°F)	
Max Frequency	***200Hz***, 1...200Hz	
Limit output		
Limit min	***Qmin***, full range of size	
Limit max	***Qmax***, full range of size	
Hysteresis	***1%***, 1...9%	
Logic position	***Logic Hi***, Logic Lo	
State output		
State behavior	***Error***, Alarm, UCC	
Logic position	***Logic Hi***, Logic Lo	

Analog Output	Flow, Mass Flow, Temperature, ***off***	off
Analog Output Flow		
Min Value	***0***, 0...Qmax	
Max Value	***Qcont***, 0...Qmax	
tAU value	***4***, 0...9	
Analog Output Temperture		
Min Value	***20***, 0...Tmax	
Max Value	***100°C / 212°F***, 0...Tmax (Tmax = 200°C / 392°F)	
tAU value	***4***, 0...9	
Analog Output Mass Flow		
Min Value	***0***, 0...Qmax	
Max Value	***Qcont***, 0...Qmax	
tAU value	***4***, 0...9	
U Code*	access with user code ***on*** / off	

* edit access for service technicians only

Notes: