

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	<i>L, G, m³</i>	
Unit time	<i>s, min, h</i>	
Unit temperature	<i>°C, °F</i>	
Unit mass	<i>kg, t, lb</i>	
Nominal size*	15, 20 , 25, 40, 50	
Measuring chamber*	default: per selected size, or calibrated value	
Trip Reset		
Reset yes / no	<i>yes, no</i>	
Low flow cut off	<i>Qstart, 0...Qmin</i>	
Compensation	<i>off, on</i>	
Mass Compensation	<i>off, on</i>	
Oil Fuel	<i>Oil Fuel, Oil Lube</i>	
°t Limit	<i>60°C, 0...200°C (32...392°F)</i>	
dd_kg/m3	<i>880kg/m³, 800...1200kg/m³ (@ 15°C)</i>	
dH_kg/m3	<i>990kg/m³, 800...1200kg/m³ (@ 15°C)</i>	
dL_kg/m3	<i>900kg/m³, 800...1200kg/m³ (@ 15°C)</i>	
Output 1	<i>Volume, Flow, Mass, Mass Flow, Limit, State, off</i>	<i>Volume</i>
Volume output		
Pulse width	<i>50ms, 2...500ms</i>	
Liter per pulse	<i>1UPP, 0.001...1000UPP [0.1UPP DN15]</i>	
Flow output		
Min Flow	<i>Qmin, 0...Qmax</i>	
Min Frequency	<i>20Hz, 1...200Hz</i>	
Max Flow	<i>Qcont, 0...Qmax</i>	
Max Frequency	<i>200Hz, 1...200Hz</i>	
Mass output		
Pulse width	<i>50ms, 2...500ms</i>	
Liter per pulse	<i>1UPP, 0.001...1000UPP [0.1UPP...DN15]</i>	
Mass Flow output		
Min Flow	<i>Qmin, 0...Qmax</i>	
Min Frequency	<i>20Hz, 1...200Hz</i>	
Max Flow	<i>Qcont, 0...Qmax</i>	
Max Frequency	<i>200Hz, 1...200Hz</i>	
Limit output		
Limit min	<i>Qmin, full range of size</i>	
Limit max	<i>Qmax, full range of size</i>	
Hysteresis	<i>1%, 1...9%</i>	
Logic position	<i>Logic Hi, Logic Lo</i>	
State output		
State behavior	<i>Error, Alarm, UCC</i>	
Logic position	<i>Logic Hi, Logic Lo</i>	

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% (possible rename to Threshold)??	
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 Temperature		
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

Default settings



Notes: