

# Glass fermenter

5 L

## Autoclave

Description		Technical information	Brand
<b>VESSEL</b>	<b>Total Capacity</b>	5 L	
<b>VOLUME</b>	<b>Working Volume</b>	4 L (80% total)	
<b>CONSTRUCTION</b>	<b>Fabrication</b>	Glass& Steel	ZFSI
<b>PORTS</b>	<b>Head plate</b>	Condenser ,Acid, Alkali ,Anti foam, feed + Sparger (steel 316 L)	ZFSI
<b>JACKET</b>		Cooling & Heating (steel 304)	ZFSI
<b>CONTROLLER</b>	<b>Control Station panel</b>	PLC	FTEK
	<b>Touch screen</b>	Color full Touch screen 7"	FATEK
	<b>Interface / Display</b>		
<b>AGITATION</b>	<b>Drive</b>	Motor , mechanical seal	LS
	<b>Range &amp; Control</b>	50 – 700 rpm	
	<b>Impellers</b>	2 Rushton impeller (SS316L)	ZFSI
	<b>Baffles</b>	3- 4 baffle(SS316L)	ZFSI
<b>EXHAUST</b>	<b>Condenser &amp; Filter</b>	1 condenser (SS316 L) , 1 filter (0.22 μ)	ZFSI
<b>pH</b>	<b>Sensor</b>		<b>Mettler Toledo</b>
	<b>Range &amp; Control</b>	2-12	
<b>DO</b>	<b>Sensor</b>		<b>Mettler Toledo</b>
	<b>Range &amp; Control</b>	0-100 %	
<b>OTHER SENSORS</b>	<b>Foam</b>	SS 316L	ZFSI
	<b>Temperature</b>	Pt100 (3wire RTD)	JUMO
<b>FLOWMETER</b>		100 l/min	
<b>PUMPS</b>	<b>Standard, Options</b>	4 peristaltic pump	LONGER PUMP
	<b>&amp; Control</b>		
	<b>Speed</b>	35 rpm	
<b>INPUT / OUTPUT</b>	<b>External Devices</b>	Digital & analog	
<b>CONNECTIONS &amp;</b>	<b>USB Ports</b>	Cable MPI or cable RS232	
<b>COMM PORTS</b>	<b>Communications Port</b>	Cable MPI or cable RS232	
	<b>Secondary Probes</b>	PLC , HMI	
<b>REGULATION COMPLIANCE</b>		According to GMP	
<b>UTILITY by customer</b>		chilled water&compressed air- soft water	
		380 v/220v	

ZFSI: ZIST FAN SANAT IRANIAN

شرکت زیستار ایرانیان

طراحی و ساخت فرآیند و کنترل

موبایل ۰۹۱۲۲۲۱۱۰۴۴

www.zistan.ir

