

Specifications. Bullfrog Batch Reactors

Part number

20mL Reactor	316 Stainless Steel	45220
150mL Reactor (4 Port Lid Arrangement)	316 Stainless Steel	46830
150mL Reactor (7 Port Lid Arrangement)	316 Stainless Steel	46840

Commodity Code	8419899585
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Reactor Specifications

		Standard	Options
Materials of construction		316 Stainless Steel	
Reactor, Lid, Fittings			✓
Working volume	mL	150	✓
Inner diameter	mm	42	
Inner depth, mm	mm	80	
Maximum Pressure	bar	200	
Bursting disc rating	bar	80	✓
Maximum operating temperature	°C	275	
Sealing O Ring, up to 225C	Viton	FKM	✓
Sealing O Ring, up to 275C	Kalrez	FFKM	
Lid configuration		4-port	7-port

Reactor Accessories

Bursting disc	bar	200	80
Pressure gauge range	bar	200	✓
Pressure relief valve	bar	25	✓
Temperature Sensor		3 wire PT100	✓
	Diameter	inches	1/8
	Length	mm	200
	Thermowell for PT100		✓

Reactor Liner

Stainless steel size reducing liner to	mL	100
Stainless steel size reducing liner to	mL	50
Teflon Liner		✓
Peek Liner		✓
Glass Liner		✓
Inlet Valve	inches	1/8
Certification		PED

Stirring

Overhead design			
Stirrer Drive		Central Port	✓
Reactor coupling		Magnetic Drive	
Speed range, rpm	rpm	50 - 2000	
Maximum Torque, Ncm	Ncm	60	✓
Impeller, No. of blades		4	✓
	W	150	✓

Heating

Heater type	Band		
Power		W	500
Control method			PID
			Cascade

Electrical

Voltage	V	220 - 240	✓
Frequency	Hz	50/60	
Power input	W	1000	

Connectivity

Ethernet interface	yes
USB Data Storage	yes
Real time historical log	yes

Environment

Permissible ambient temperature	°C	5 - 40
Permissible relative moisture		No data
Protection class according to DIN EN 60529		IP 20