



INDIAN INSTITUTE OF TECHNOLOGY BOMBAY
MATERIALS MANAGEMENT DIVISION
Powai, Mumbai 400076.

Technical Specification for Syrixus 500X High Pressure Syringe Pump

RFx No.: 6100001864

SR.No	Technical Specification	Compliance (Yes/No)	Additional Information if Any
1	Syrixus 500x High Pressure Syringe Pump		
1.1	Barrel Capacity : 500 ml or more.		
1.2	Flow Range : 0.001 to 200 ml/min or more.		
1.3	Pressure Range : 345 Bar or more		
1.4	Operating Temperature Range : 5 – 40 Degree C Ambient		
1.5	Superior Operating Temperature : Facility to work up to 200 Degree C with optional accessories		
1.6	Flow Accuracy : 0.5% of the set point.		
1.7	Displacement Resolution : 31 nL/stop or better.		
1.8	Standard Pressure Accuracy : 0.5 FS.		
1.9	Wetted Material : Hastelloy/Nitronic 50		
1.10	Power : 100-220VAC, 50 or 60 Hz.		
1.11	Display : LCD Display		
1.12	Controller : Standalone keypad controller. Single controller should be able to control		

	4 individual pumps through the control cables.		
1.13	Software drivers for data acquisition and supervision facilities.		
1.14	Controller should have facility to program flow & pressure gradient w.r.t time		
1.15	Spare: - seal kits, rupture discs (If any).		
1.16	Inlet & outlet connector with manual valve		
1.17	one-year warranty from date of installation.		
1.18	Provide customer list and contact information of customer regarding installation in Mumbai and India		