

# LABTOP 2<sup>®</sup> 200/250

## INTEGRATED PUMP SYSTEM



**FLOWTECH**, DIV.

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ATLANTA, GEORGIA - USA

# LABTOP<sup>2</sup>® SPECIFICATIONS

## DESIGN

LABTOP® Integrated Pump System is a “plug in the wall” ready to use pump unit for small to medium size capacity applications. At it's heart, the UNIBLOC® -PD rotary lobe pump is manufactured from the highest quality stainless steel material, eliminating quality issues as f er rules a re ma chined a s pa r t of the housing; no w elds . The pump is driven by an electric motor with an integrated speed controller that allows the operator to manipulate the unit through various functions using the Nema 4X (IP65) keypad or in an automatic mode.

## MATERIALS

All pump component materials are FDA approved and/or carry the optional USP Class VI classification. Optional Hastelloy C and AL6XN available.

## FEATURES

- Maintain high f low up to 60 psig
- Handles shear sensitive products very well
- Light weight and small dimension
- Can run dry for short period of time
- No rubber hoses that can rupture
- No shredding of rubber f rom inside hose
- LABTOP® operates equally well in both directions
- Includes extensive document package for each pump

## APPLICATIONS

- Small UF, MF feed applications
- Chromatography feed
- Metering of liquids
- Buffer solution transfer
- Small scale manufacturing



## APPLICATIONS

LABTOP® 200/250 Integrated Pump System can be scaled down with smaller LABTOPs® or up with larger LABTOPs® . For stationary applications we provide f lows up to 2000 LPM using the same pump design.

## CAPACITY

LABTOP® 200 approximately 0.2 to 14 LPM (3.6 GPM)

LABTOP® 250 approximately 0.3 to 24 LPM (6.2 GPM)

Flow based upon 2cPs and 30 psig and ambient temp.

## MAINTENANCE

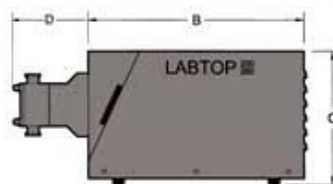
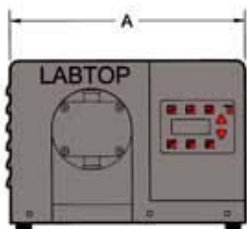
The LABTOP® unit is engineered so that maintenance is brought to a minimum and can be carried out by the operator or company service technician. All units are thoroughly tested for full compliance and satisfactory operation prior to shipment. All LABTOP® units carry a 1 year limited warranty.



# LABTOP 2<sup>®</sup> SPECIFICATIONS

LABTOP <sup>®</sup> size	200	250
Port Size	1/2 or 3/4"	3/4"
Port Connection Type	triclamp	triclamp
Port Orientation	horizontal	horizontal
horizontal Voltage Input / Max. Amp	115vac / 4.5amp 1x230vac / 2.2amp	115vac / 4.5amp 1x230vac / 2.2amp
Max. Ambient Temp	25°C (77°F)	25°C (77°F)
Max. Process/CIP Temp. (ss rotors)	60°C (140°F)	60°C (140°F)
Max. SIP Temp. (stand still)	125°C (275°F)	125°C (275°F)
Unit Weight (ss gearbox)	25kg (65 lbs)	25kg (65 lbs)
Standard Pump Supplied With	EPDM o-rings single mechanical seals Stainless steel rotors jacketed front cover	316 ss rotor housing 316L ss shafts 316L ss gearbox USP Class VI plastic rotor 0-10 Vdc analog output Auxiliary cooling fan
Options Available:	0-10Vdc or 4-20mA input	

## PHYSICAL DIMENSIONS



	LABTOP SIZE			
	200		250	
	mm	inch	mm	inch
A	329	12.9	329	12.9
B	502	19.8	510	20.1
C	231	9.1	231	9.1
D	73	2.8	75	2.9

## CAPACITY CHARTS

