

LABTOP₂[®] 300/350

INTEGRATED PUMP SYSTEM



TEKNOFLOW, INC.

FLOWTECH, DIV.

ATLANTA, GEORGIA - USA

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 **ferrules are machined as part of the housing; no welds.** 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 flow 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 from inside hose
- **LABTOP®** operates equally well in both directions
- Includes extensive document package for each pump



APPLICATIONS

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

APPLICATIONS

LABTOP® 300/350 Integrated Pump System can be scaled down with smaller **LABTOPs®** or up with larger **LABTOPs®**. For stationary applications we provide flows up to 2000 LPM using the same pump design.

CAPACITY

LABTOP® 300 approximately 0.2 to 38 LPM (10.0 GPM)

LABTOP® 350 approximately 0.3 to 68 LPM (18 GPM)

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

MAINTENANCE

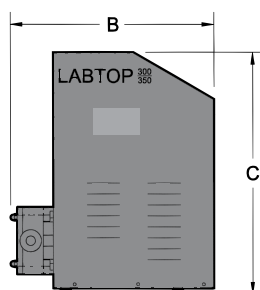
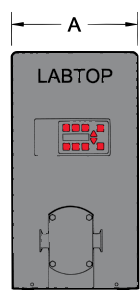
The **LABTOP®** unit is engineered so that maintenance is brought to a minimum and can be carried out by the operator or company service technician. All units are thoroughly tested for full compliance and satisfactory operation prior to shipment. All **LABTOP®** units carry a 1 year limited warranty.



LABTOP₂ SPECIFICATIONS

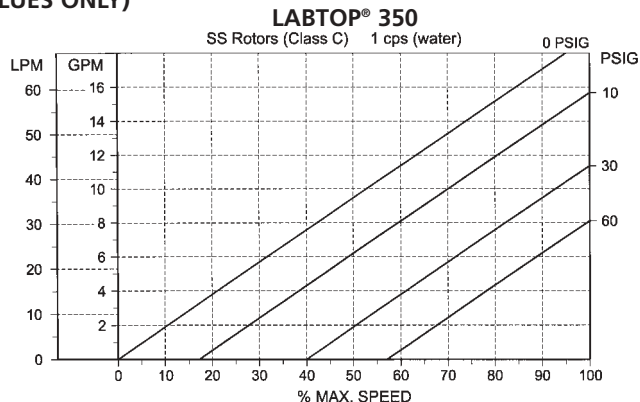
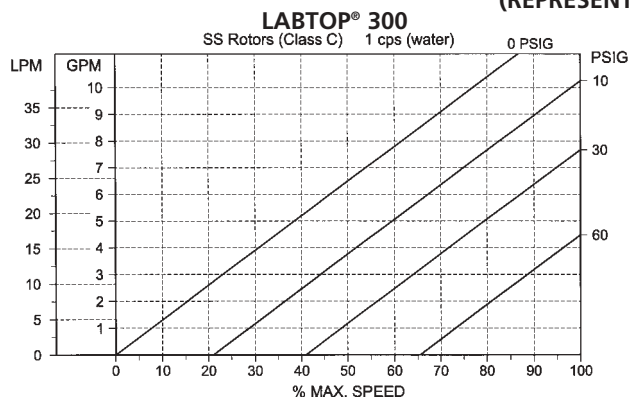
LABTOP® size	300	350
Port Size	1"	1.5"
Port Connection Type	triclamp	triclamp
Port Orientation	horizontal	horizontal
Voltage Input / Max. Amp	115vac / 8.9amp 1x230vac / 4.4amp	115vac / 8.9amp 1x230vac / 4.4amp
Max. Ambient Temp	25°C (77°F)	25°C (77°F)
Max. Process/CIP Temp. (ss rotors)	90°C (194°F)	90°C (194°F)
Max. SIP Temp. (stand still)	135°C (275°F)	135°C (275°F)
Unit Weight (ss gearbox)	45 kg (99 lbs.)	47 kg (103 lbs.)
(alum. gearbox)	41 kg (89 lbs.)	43 kg (93 lbs.)
Standard Pump Supplied With	EPDM o-rings single mechanical seals 304 ss gearbox	316L ss rotor 316L ss shafts 316 ss rotor housing
Options Available:	front cover drain boss 0-10 Vdc analog output jacketed front cover	double mech. shaft seals automated pressure switch 0-10Vdc or 4-20mA input

PHYSICAL DIMENSIONS



	LABTOP SIZE			
	300		350	
	mm	inch	mm	inch
A	290	11.4	290	11.4
B	469	18.5	491	19.3
C	554	21.8	554	21.8

CAPACITY CHARTS (REPRESENTATIVE VALUES ONLY)



OTHER PRODUCTS



◀ BUBBLE TRAP



◀ Y-STRAINER

JACKETED COVER ▶



RELIEF VALVE ▶



◀ DIAPHRAGM VALVE



◀ UNIBLOC® PD

LABTOP® 200/250 ▶



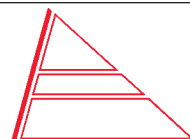
LABTOP® 400 ▶



LABTOP® and UNIBLOC® are registered trademarks

Technical changes without notice

Distributor:



FLOWTECH, DIV.

TEKNOFLOW, INC.

ATLANTA, GEORGIA – USA

1701 Spinks Drive, Marietta, Georgia 30067-8925

Telephone: (770) 218-8900 Fax: (770) 218-8442

E-mail: info@flowtechdiv.com

Website: www.flowtechdiv.com