JACKETED MIXING TANK PACKAGE

USA-300L-MIX

USA Lab 300L Mixing Tank

A 300L mixing tank package built on a 304 stainless steel jacketed storage vessel, with a selectable 1/2 HP mixer. The 44L full jacket with 1.5" Tri-Clamp ports circulates glycol or fluid for heating or chilling, and the vessel is rated to 125 PSI.

- **Selectable 1/2 HP mixer.** Electric direct drive, pneumatic, or UL listed motor options.
- **Jacketed temperature control.** 44L full jacket with 1.5" TC ports for heating or chilling.
- **Sanitary Tri-Clamp ports.** 12" top, 6" bottom, plus 3" and 1.5" TC side ports.
- **Mobile on casters.** Heavy-duty casters rated 440 lbs per wheel (1,760 lbs total).
- **High pressure clamps.** 3" clamps rated 1000 PSI at 70F and 800 PSI at 250F.

MODEL USA-300L-MIX



300 L	44 L	125 PSI	1/2 HP	90 to 250 PSI
TANK CAPACITY	JACKET CAPACITY	VESSEL PRESSURE RATING	MIXER MOTOR POWER	MIXER PRESSURE RATING

Technical Specifications

Model **USA-300L-MIX**

MIXING TANK

Tank capacity	300L
Tank type	300L Mixing Vessel
Vessel pressure rating	125 PSI
Vacuum rating	Ultimate Vacuum

MIXER

Motor horsepower	1/2 HP
Shaft length	32 in.
Motor options	Electric direct drive, pneumatic, or UL listed
Mixer pressure rating	90 to 250 PSI

WHAT'S INCLUDED

JSV-300L	1 × 300L Jacketed Storage Vessel
HPTC3	3 x High Pressure Tri Clamp - 3"
USA-BUNA-3	3 x Buna-N Tri Clamp Gasket - 3"
USA-BUNA-6	1 x Buna-N Tri Clamp Gasket - 6"
HPTC6	2 x High Pressure Tri Clamp - 6"
LID-12TO3	1 x Flat Lid - Tri Clamp 12" to 3"
HPTC15	4 x High Pressure Tri Clamp - 1.5"
USA-BUNA-1.5	4 x Buna-N Tri Clamp Gasket - 1.5"
FR-SL-15IN	2 x Flat Lid w/ 1/2" Compression Superlok - 1.5"
1.5TC90	1 × 1.5 90 Degree Elbow Tri Clamp
1.5TCBV	1 × 1.5 Tri-Clamp Ball Valve, SS304, 1000PSI
C-GAUGEBOT-12	1 x Glycerin Compound Gauge 1/2 Compression

JACKETED STORAGE VESSEL

Material	304 Stainless Steel
Working volume	300 Liter
Jacket	Fully jacketed, fully welded
Jacket capacity	44L
Jacket connections	1.5" Tri-Clamp
Top connection	12" Tri-Clamp
Side ports	(2) 1.5" TC | 1/2" Comp. | (2) 3" TC
Bottom connection	6" Tri-Clamp
Vessel pressure (max)	150 PSI
Casters	Heavy-duty, 440 lbs per wheel (1,760 lbs total)

CLAMPS AND GASKETS

Clamp material	304 stainless steel
3" clamp max pressure	1000 PSI @70F; 800 PSI @250F
Gasket material	BUNA-N / Nitrile Rubber (NBR)
Gasket temperature	-30°F to 255°F continuous

DIMENSIONS AND WEIGHT

Size (L x W x H)	40 × 45 × 55 in
Shipping dimensions	45 × 55 × 40 in.
Weight	500 lb.

IDEAL APPLICATIONS

Botanical processing | Pharmaceutical processing | Chemical processing | Laboratory research | Winterization | Ethanol extraction

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Specifications by Size

Model **USA-300L-MIX**

Specification	Direct drive USA-300L-MIX-DD	Pneumatic USA-300L-MIX-P	UL listed USA-300L-MIX-US
Mixer type	Electric Direct Drive Mixer	Pneumatic Mixer	UL Listed Mixer
Mixer pressure rating	90 PSI	90 PSI	250 PSI
Motor horsepower	1/2HP	1/2HP	1/2HP

ORDERING INFORMATION

CATALOG NO.	DESCRIPTION	QTY
USA-300L-MIX-DD	USA Lab 300L Mixing Tank w/ Electric Direct Drive Mixer 90psi, 1/2HP	
USA-300L-MIX-P	USA Lab 300L Mixing Tank w/ Pneumatic Mixer 90psi, 1/2HP	
USA-300L-MIX-US	USA Lab 300L Mixing Tank w/ UL Listed Mixer 250psi, 1/2HP	

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