

The Model 285-P Portable Pneumatic mixer was designed to assist the mixing of Semkit[®] packages. The spindle assembly rotates the mixing rod while the operator strokes the cartridge vertically along the length of the mixing rod. This permits the dasher inside the cartridge to thoroughly mix the materials. The bell timer, maximum mixing time of 5 minutes, alerts the operator when the mix cycle is completed.

Use of the mixer reduces to operator fatigue on mixing of the filled Semkit. The result is also a more consistent, uniform mix from kit to kit.

The mixer weighs less than 8 pounds. It is equipped with handle for ease of portability. The high torque motor is of heavy duty construction to withstand the rigors of industrial use. The motor has a 0 to 380 RPM range at 0 to 90 PSI at 12 CFM with maximum torque of 14 foot-pounds.

General instructions:

Refer to the packaged material's Safety Data Sheet for handling of the Semkit before mixing.

Mixing instructions:

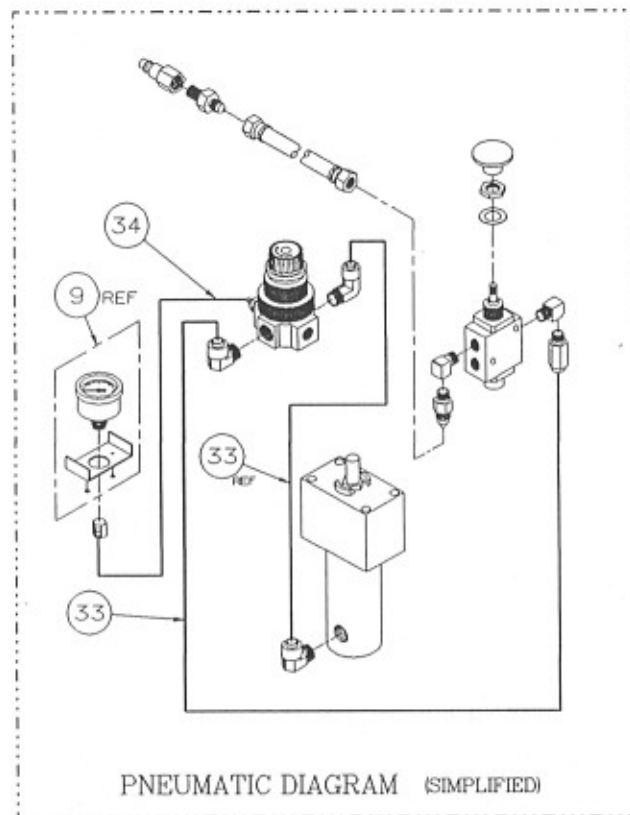
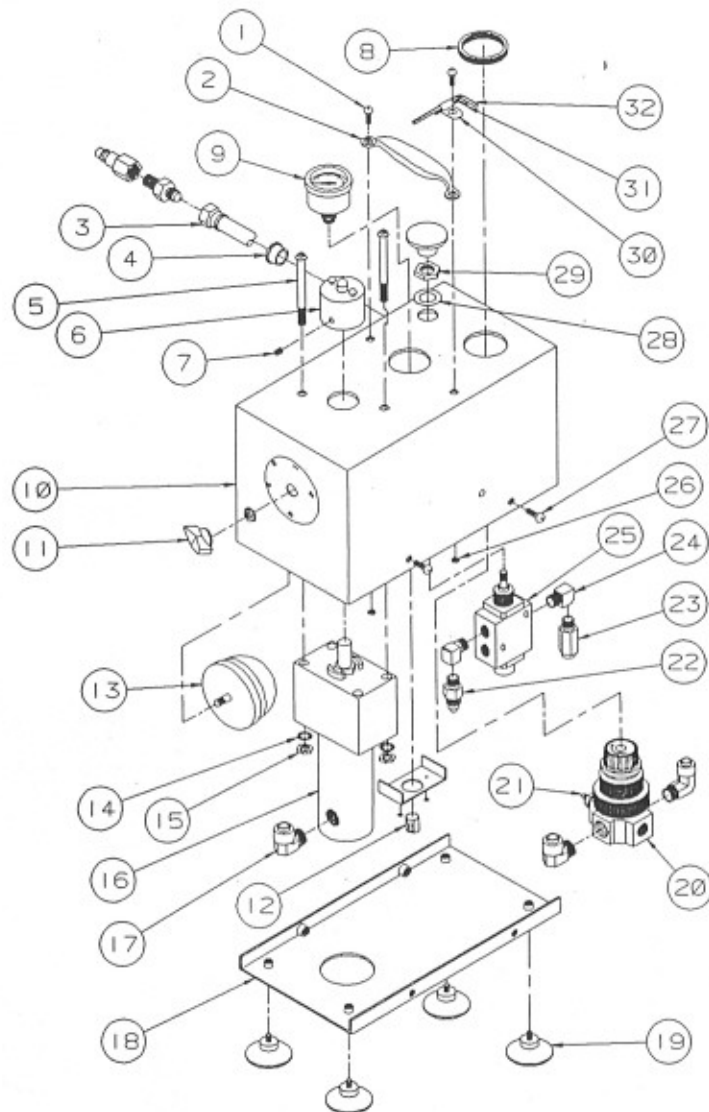
1. WEAR SAFETY GLASSES AND GLOVES WHILE MIXING AND DISPENSING.
2. Prepare Semkit according to instructions accompanying the kit.
3. Attach shop air supply to mixer.
4. Pull on/off (red) knob up and adjust mixer to desired pressure and speed (50 to 60 RPM). Lock regulator by pushing red locking ring in. Push on/off knob down to stop the motor,
5. Engage holes on knob of dasher rod with drive pins.
6. Set bell timer according to kit instructions- Pull on/off knob up to start mixing
7. Hold the Semkit cartridge without squeezing,
8. Pull on/off knob to start mixing. Proceed to mix by slowly (20 strokes per minute) moving it up and down along the length of the dasher rod. Each stroke should extend from the neck of the cartridge to the plunger end of the cartridge
9. Mixing is completed when bell timer signals. The dasher rod should be pushed into the cartridge and up against the plunger on the last stroke,
10. Push the on/off knob down to stop mixing. Remove dasher rod from spindle.

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Maintenance:

1. Wipe clean all contaminants with approved cleaning agent dampened rag after each use of mixer.
2. Replace all worn out parts as necessary. Motor does not have any field replaceable parts.
3. WARNING: Disconnect air supply when equipment is not in use and before servicing.
4. LUBRICATE MIXER WEEKLY WITH A FEW DROPS OF AIR TOOL OIL.

Semco part number: 233500



COMPUTER AIDED DRAWING DO NOT REVERSE WITHOUT CHANGING ORIGINAL SOURCE DATA			
FILE NAME: AM11233500.DWG	DISK NO: J42-1	DATE: 01/21/80	REL DATE: 01/21/80
UNLESS OTHERWISE SPECIFIED	TOLERANCES	XX = + .005	XX = + .010
ALL DIMENSIONS ARE IN INCHES	DECIMAL	XX = + .005	XX = + .010
ALL DIMENSIONS BEFORE PLATING	FRACTION	XX = + .005	XX = + .010
BRASS ALL BRASS DIMENSIONS ARE IN INCHES	ANGLE	XX = + .005	XX = + .010
WAXED FILLET RADIUS TO BE USED		XX = + .005	XX = + .010
SURFACE TEXTURE: 10		XX = + .005	XX = + .010

REVISIONS			
REV	DESCRIPTION	BY	DATE

Q	C	36	
I	C	35	233584 PLUG SET (NOT SHOWN)
MR	C	34	233117 TUBING, URETHANE, .170 I.D.
MR	C	33	233117 TUBING, URETHANE, .170 I.D.
I	A	32	228315 WRENCH 1/8
I	C	31	228637 WRENCH 1/16
I	A	30	221374 WRENCH HOLDER
I	C	29	233585 NUT
I	C	28	233584 SPACER
4	C	27	HACH, SCRW, RND, HD, SLTD, 18-32X3/8
2	C	26	NUT, HEX, STEEL, 8-32 THD.
I	C	25	3-WAY VALVE
2	C	24	ELBOW, STREET BRASS, 1/8 NPT, 90°
I	C	23	QUICK CONNECT, 5/16 TUB, 1/8 NPT
I	C	22	HOSE ADAPTER, 1/8" X 1/4"
I	C	21	CONNECTOR, 1/8 NPT X .170 BARB
I	A	20	REGULATOR
4	A	19	221367 SUCTION CUP
I	C	18	233582 COVER
3	C	17	QUICK CONNECT, 1/8 TUB., 90°
I	C	16	233151 AIR MOTOR
2	C	15	NUT, HEX, STEEL
2	C	14	WASHER, INT. LOCK, SHKPRF.
I	A	13	221368 TIMER WITH NUT
I	C	12	233125 ELBOW, 1/8 FPT X .170 BARB
I	B	11	221378 TIMER KNOB
I	C	10	233581 BOX
I	B	9	227563 GAUGE, PANEL MOUNT
I	C	8	231816 RING NUT
I	C	7	SET SCREW, 1/4-20X3/8" L.S.
I	C	6	233152 SPINDLE ASSEMBLY
2	C	5	SCREW
I	C	4	233583 GROMMET
I	C	3	233586 HOSE ASSEMBLY, 1/4" I.D.
I	A	2	221373 HANDLE
2	C	1	HACH, SCRW, RND, HD, SLTD, 18-32X1/2

Model 285-P
MIXER ASSEMBLY
0 92108 233500
SCALE: NONE SHEET 1 OF 1