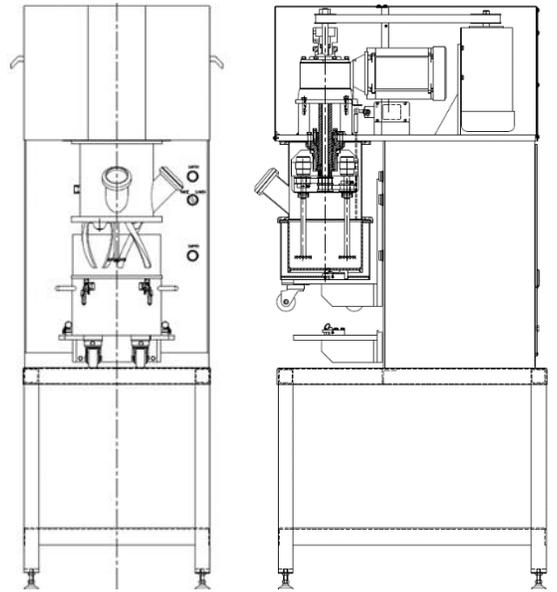


Laboratory PDDM Specifications and Dimensions

STANDARD FEATURES:

- Full vacuum change can design
- Vertical lift design (reverse lift) for raising of mix can to the operating position
- Integrated base design for mounting on table top or work bench
- Two (2) Rectangular Stirrers or High Viscosity “HV” Blades
- Two (2) High Speed Disperser Shafts and Blades
- Agitator drive components and lift system are fully sheathed
- Stainless steel type 304 wetted parts with 80-grit finish
- Non-stainless steel components are finished with a durable two-part epoxy coating
- TEFC 230/460 volt, 3 phase, 60 Hz motors
- Stainless steel gearbox with Viton sealing O-rings and lip seals on stirrer shaft, disperser shaft and upper gearbox cover
- Safety limit switch to prevent operation of the mixer when the mix vessel is not in the mixing position



AVAILABLE OPTIONS:

- Wetted parts can be stainless steel type 316, Hastelloy or other special alloys
- Sanitary design with high surface finishes, sanitary connections/ports, stainless steel enclosure
- Second disperser blade added to each HSD shaft.
- Sidewall scraper arm and bottom scraper with replaceable Teflon blade
- Internal pressure design
- Sight/charge ports, inlet/outlet nozzles and tank light
- Temperature probes, pressure transducers and other sensors
- Jacketed mix vessel for heating and/or cooling
- Internally-machined mix vessel for use with Ross Discharge System and scraper(s) and applications requiring close blade-to-bowl clearances
- Carbon steel or stainless steel mixer bench. Common bench design also offered for mounting both mixer and Discharge System
- Operator controls including variable frequency drives, explosion-proof operator stations and PLC recipe controls
- Vacuum pump, heater, chiller and other auxiliary equipment

Model	Mixing Capacity	Planetary Stirrers			High Speed Dispersers		Height (Mixer Base to Bonnet Cover)	Overall Height	Overall Width	Overall Length	Mix Vessel Overall Height	Mix Vessel Inner Diameter	Mix Vessel Depth	Weight
		gallons	HP	Orbital RPM	Stirrer RPM	HP								
	inches	inches	inches	inches	inches	inches	inches	inches	inches	inches	inches	inches	inches	lbs
PDDM-2	0.5 - 1.5	1.5	7 - 72	11 - 112	3	860 - 8600	49	79	37.5	45	8	9.63	6.5	1450
PDDM-4	1 - 4	2	7 - 70	10 - 101	5	733 - 7330	54	83	42	48	9.63	14	8	1650



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