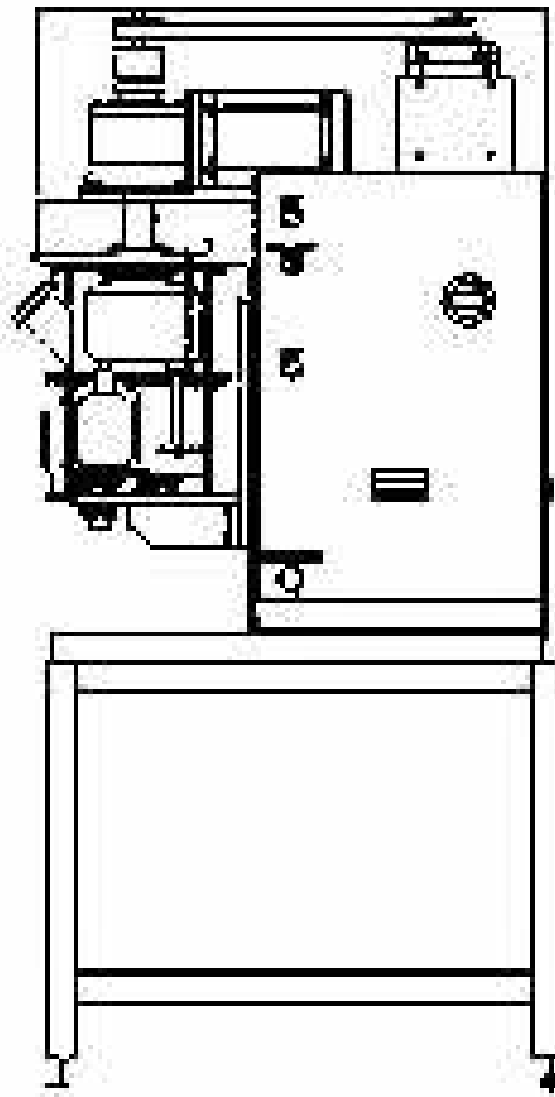
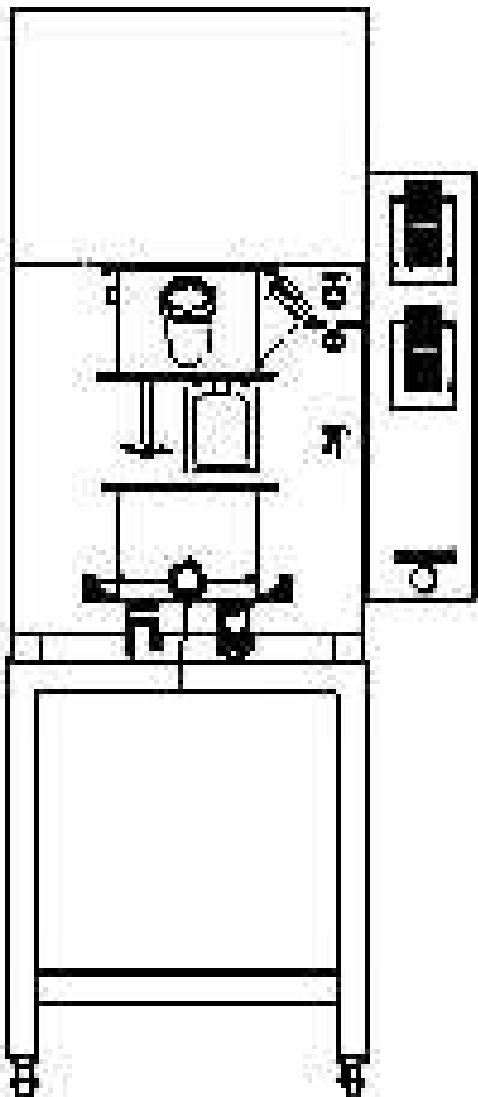


PDM 1/2 - 5 Gal Specifications and Dimensions



Model	Mixing Capacity	Full Capacity	Planetary HP	Planetary Speed	Disperser HP	Disperser Speed	Weight	Mix can Depth	Mix Can I.D.	Mixer OAH	Mixer OAW	Mixer OAL
PDM 1/2	.17-.50 gal	.6 gal	1/2	135	1	5400	1000	6 5/8	5 1/2	38 1/2	18	27 3/4
PDM 2	.78-1.5 gal	2 gal	1	112	1-1/2	3600	1200	6 1/2	9 5/8	41	33	36
PDM 4	2.25-4 gal	5-1/4gal	1 1/2	104	2	3600	1400	8	14	45	33	36
PDM 5	2.25-5 gal	6 gal	2	104	2	3600	1400	9	14	45	33	36

All dimensions are in inches

1101 LPDM



Charles Ross & Son Company

P.O.Box 12308, 710 Old Willets Path, Hauppauge, NY 11788 - Tel: 1-631-234-0500 - Fax: 1-631-234-0691

Website: www.mixers.com - Email: sales@mixers.com

PDM 1/2 - 5 Gallon Standard and Optional Features

STANDARD FEATURES:

MATERIALS OF CONSTRUCTION:

Stainless Steel type 304 wetted parts polished to an 80 grit finish. All non-stainless steel exterior surfaces are coated with a high quality two-component paint.

CHANGE CAN DESIGN:

Change can design for use with multiple mix cans and Discharge Systems.

RAISE/LOWER:

Vertical lift design with air/oil hydraulic lift.

DRIVE/ELECTRICAL:

Agitators are independently driven by explosion-proof inverter-duty motors. VFD drives provide variable speed operation for both agitators and on/off operation of motors.

GEARBOX AND SEALS:

Stainless steel gearbox. Viton sealing O'Rings and Lip seals on stirrer shaft and disperser shaft.

AGITATORS:

One rectangular stirrer blade, and a high speed disperser blade which is removable and replaceable with a high speed chopper blade.

MIXING ENVIRONMENT:

Vacuum hood is easily removed providing access to upper gearbox area for simple maintenance and cleaning.

SAFETY FEATURES:

Explosion proof limit switches prevent operation of the mixer when in the raised position or when the mix can is removed from the mixing position.

OPTIONAL FEATURES:

SPECIAL DESIGNS:

Equipment designed to meet vacuum, sanitary, explosive, internal pressure, or any other special processing environment. Vacuum drying and solvent recovery systems are available.

MATERIALS OF CONSTRUCTION:

Carbon steel, stainless steel, hastelloy, titanium or aluminum.

DRIVE CONFIGURATIONS:

Mechanical variable speed motor drives, higher horsepowers and special drive configurations to satisfy high speed, low speed, and high torque requirements.

GEARBOX:

Your choice of polished finishes and sealing arrangements. Additional dust and liquid seal arrangements available

STIRRER BLADES:

Rectangular stirrer blades, "HV" blades, finger type blades, augers, flight bars, custom designed agitators.

HIGH SPEED AGITATORS:

High speed disperser blades and chopper blades of different designs & materials of construction. Adjustable hubs and multiple blades can be positioned anywhere along the length of the high speed shaft.

SCRAPERS:

Bottom scraper and self adjusting side wall scraper arm, supplied with replaceable scraper blades.

POLISHING AND COATINGS:

Hard chrome plating, electropolish and high polish finishes up to mirror finish. Coatings of teflon, nylon, kynar, tungsten carbide, aluminum oxide and hastelloy.

SIGHT AND CHARGE PORTS:

Choice of any size charge/sight port, supplied with a solid end cap, pyrex sight glass, or a light for viewing. Hinged charging ports are also available.

MIXER BASE:

Raised bases are available to suit special filling and discharge requirements. Extended benches for mounting both a mixer and discharge system. Bases can be sheathed or made in stainless steel, aluminum, or other special materials.

OPERATOR CONTROLS:

Choice of all NEMA enclosure ratings including explosion-proof, and intrinsically safe. Custom designed PLC control systems are available.

MIX CAN:

Jacketed vessels for heating or cooling, thermocouples for monitoring product temperature, discharge valves.

DISCHARGE SYSTEMS:

Discharge Systems provide complete "Hands-Free" discharge of product, directly from the mix can. Floor mounted and Elevated designs are available for discharge into your choice of container, drums, cartridges or small syringes.

AUTOMATED MIXING AND DISCHARGE SYSTEMS:

Completely Automated Turntable System, featuring Filling, Mixing and Discharge Stations with PLC Controls.

AUXILIARY EQUIPMENT:

Vacuum Pumps, Vent Condensers, Temperature Control Systems, Load Cells, Pump & Metering Systems, Etc.