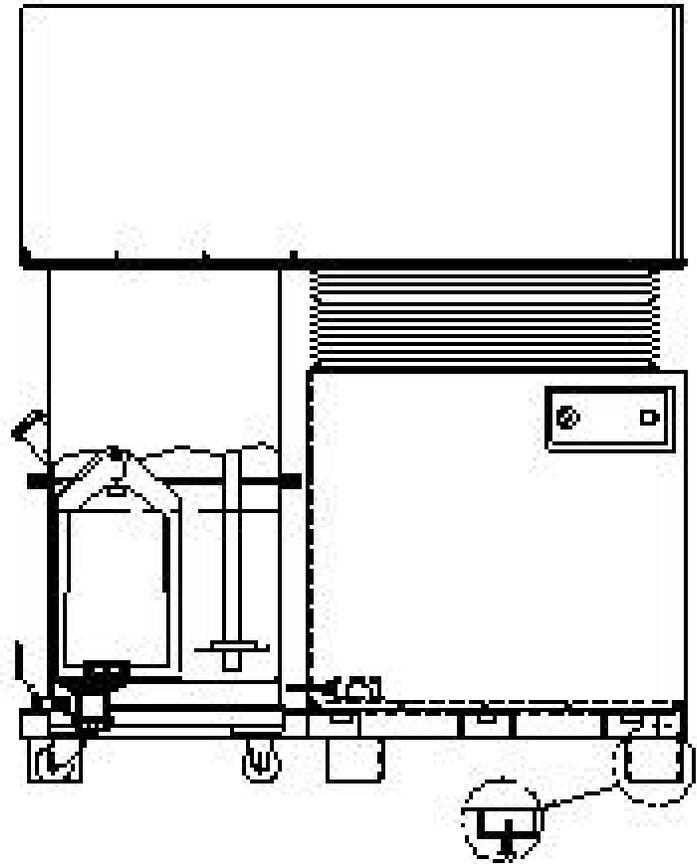
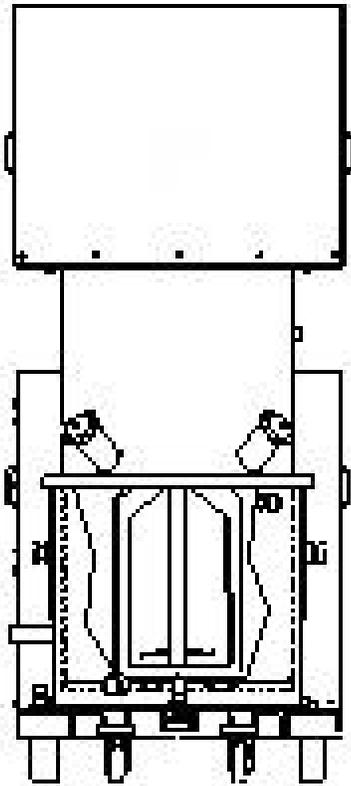


PDM 10 - 750 Gal Specifications and Dimensions



Model	Mixing Capacity Gals.	Full Capacity Gals.	HP Stirrer	Stirrer Speed	HP Disperser	Disperser Speed	Orbital Speed Gearbox	Weight	Mix Can ID	Mix can Depth	Mix Can OAH	Base Height	Overall Length	Overall Width	Raised OAH	Lowered OAH
PDM 10	4-12	15	3	10-39	3-7 1/2	612-2450	9-37	2500	18	13 1/2	16.3	8	62	32 1/2	80	65
PDM 25	10-25	34	7 1/2-10	10-39	10-15	462-1850	9-37	4200	25	16	25.4	8	74	35 1/2	109	86
PDM 40	10-40	47	7 1/2-10	10-39	10-15	462-1850	9-37	4200	25	22	25.4	8	74	35 1/2	109	86
PDM 75	30-75	91	15-20	9-34	20-30	350-1400	8-30	9000	34 1/2	22 1/2	31.8	12	96	44	153	119
PDM 100	30-100	115	15-20	9-34	20-30	350-1400	8-30	9000	34 1/2	28 1/2	31.8	12	96	44	153	119
PDM 150	66-150	184	25	7-28	34-40	263-1050	6-24	13500	44	28	37	15	115	50	166	132
PDM 200	66-200	225	25	7-28	30-40	263-1050	6-24	13500	44	34	37	15	115	50	166	132
PDM 300	105-300	398	40	7-28	40-60	231-925	6-22	25000	55 1/2	38	41	15	78	114	196	156
PDM 400	150-400	465	40	7-28	75	231-925	6-22	28000	55 1/2	45	48	15	78	114	255	208
PDM 500	200-500	617	60	5-20	100	200-800	4-16	38000	66	42	48	15	108	122	259	211
PDM 750	200-750	888	60	5-20	100	200-800	4-16	41000	66	60	66	15	108	122	294	228

All dimensions are in inches

0301750 PDM



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 10 - 750 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:

Carbon 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:

Dust tight hood isolates product from outside contaminants. Hood is easily removed providing access to upper gearbox area for simple maintenance and cleaning.

SAFETY FEATURES:

Explosion proof limit switches prevent operation of 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.

HYDRAULIC LIFT:

Motorized hydraulic lift with a self contained hydraulic pump/motor and raise/lower controls.

REVERSE LIFT DESIGN:

Reverse lift design in which upper bonnet is stationary and the mix can is raised into the mixing position.

DRIVE CONFIGURATIONS:

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

GEARBOX:

Fabricated in stainless steel with 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 any where along the length of the high speed shaft.

SCRAPERS:

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

MIX CAN:

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

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 also available.

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.