

WE OFFER PERFECT MIXING TECHNOLOGIES

POWDER BLENDERS, DRYERS, PASTE KNEADERS,
LIQUID DISPERSERS AND MIXERS



PHARMACEUTICAL



NUTRACEUTICAL



FOOD



CHEMICAL



BIO



HEALTH & BEAUTY



PRESENT & PROSPECT

PRODUCT RANGE

We are able not only to offer the single machine with modern appearance and advanced technique, but also to offer the full line system to save your time, which is one of our strong points. With our engineers' decades of experience in this area, PerMix is capable to offer the most suitable solution for any industry that has a demand for mixing.

CUSTOMIZED SOLUTIONS

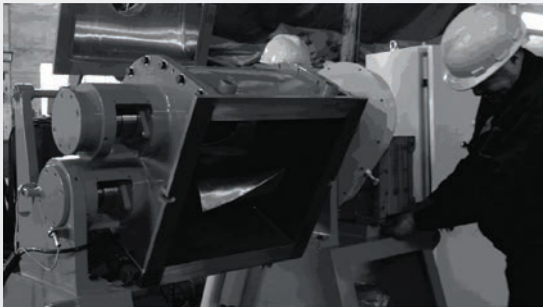
Despite a wide range of PerMix's standard mixing & processing equipment, we offer more options available, and PerMix designs its equipment according to the specific requirements of our customers. PerMix engineers evaluate the customer's mixing and processing problems in order to translate process parameters into soundly engineered and dependable mechanical equipment. PerMix welcomes the opportunity to discuss individual conditions and invites customers to compare and determine for themselves which equipment is best suited for their needs.

CUSTOMERS & APPLICATIONS

PerMix has been building a good reputation in both local and export markets over the years. No matter the customer is well-known or newly set up, PerMix serves them with full care. Our products are widely used to serve a variety of industries such as food, beverage, cosmetics, pharmaceuticals, biology, fine chemicals, specialty chemicals, animal feeds, agriculture, painting, ink, petrochemicals, nano materials, paper, adhesive, plastic, electronics, batteries, waste treatment, etc.



OUR FACTORY





POWDER BLENDERS AND DRYERS

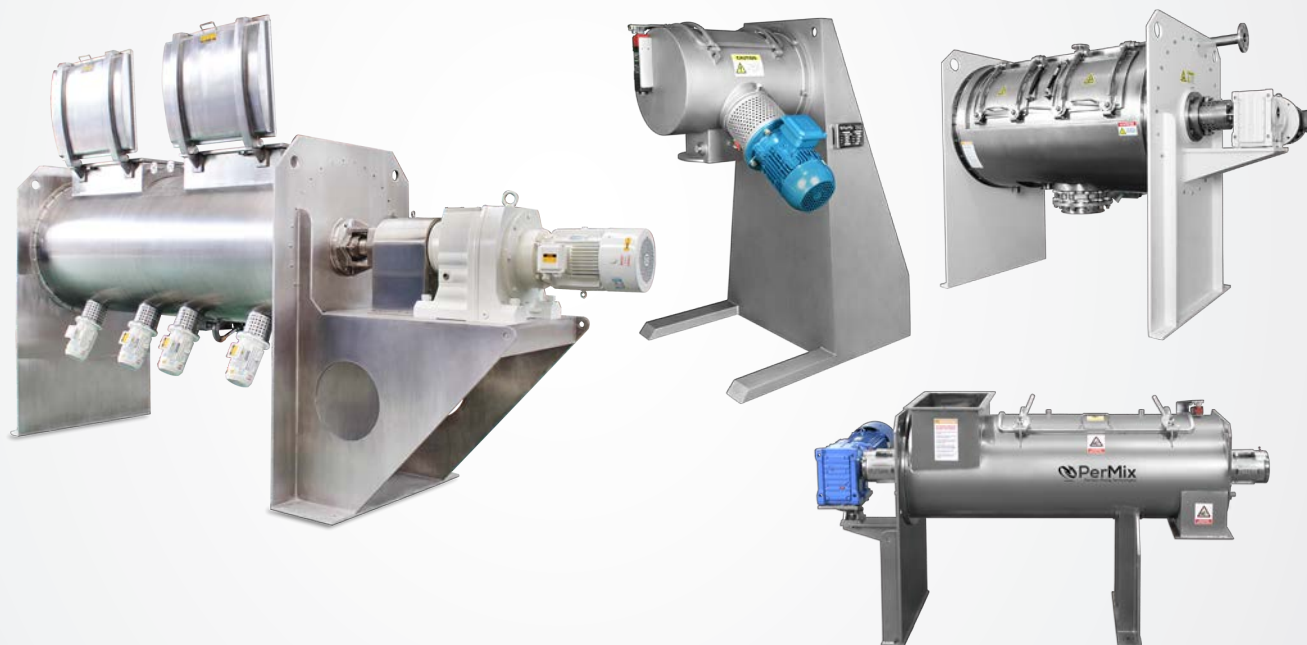
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PTP PADDLE MIXER



PerMix PTP series Paddle Mixers are an innovative design derived from the well-known Plow Mixers (or Ploughshare Mixers, Plough Mixers). The Paddle provides the same mixing performance as a Plow but requires much less power consumption. Due to the less rotation speed of the paddles, the wearing of the mixing element for the Paddle is also less than the Plows. Besides, PerMix Paddle Mixers have a better performance dealing with the viscous/sticky materials, such as slurries, which is because the plough-shaped mixing elements tend to be wrapped by the viscous materials while the paddles don't.

Compared with the conventional Ribbon Blenders, Paddle Mixers are superior because they are able to mix the material in a more aggressive way while keeping the similar power consumption, due to the fact that the uniquely designed paddles are more pitched than ribbons in a Ribbon Blender and move more materials in a single turn.



PTP PADDLE MIXER

SPECIFICATIONS

Model	Total capacity (liter)	Working capacity (liter)	Power (*) (kW)	Speed (RPM)	L1 (mm)	L (mm)	W (mm)	H1(**)	H(***)
PTP-5L	5	3	1.1	0-582	180	800	500	-	-
PTP-10L	10	7	1.1	0-582	200	900	500	-	-
PTP-45	45	30	0.75	81	480	900	550	450	950
PTP-70	70	45	0.75	69	580	1,050	600	450	970
PTP-100	100	70	1.1	60	660	1,100	610	450	1,020
PTP-200	200	140	1.5	53	890	1,400	730	500	1,180
PTP-300	300	210	2.2	51	970	1,550	850	500	1,300
PTP-500	500	350	4	45	1,250	2,000	950	500	1,400
PTP-750	750	500	5.5	45	1,500	2,250	1,100	600	1,600
PTP-1000	1,000	700	7.5	33	1,900	2,600	1,150	600	1,800
PTP-1500	1,500	1,000	11	28	2,110	3,200	1,200	600	2,000
PTP-2000	2,000	1,400	15	25	2,110	3,500	1,350	600	2,200
PTP-3000	3,000	2,100	22	23	3,000	4,100	1,500	800	2,400
PTP-4000	4,000	2,800	30	17	3,000	4,200	1,550	800	2,600
PTP-5000	5,000	3,500	37	17	3,000	4,300	1,620	800	2,800

- PTP-L: laboratory size
- (*) (**) (***): Changes are available according to the customer's request.
- All specifications and illustrations are as accurate as is reasonably possible, but they are not binding.
- PerMix reserves the right to modify the design without notice.

PAM VERTICAL MIXER



The PerMix PAM series Vertical Mixer is a super innovation that combines all the advantages of precise mixing homogeneity, highly hygienic design, complete discharge with minimum residue, wide range of loading volume, robust design with long duty life and many others.

PAM Vertical Mixers are efficient and versatile blending machines for batch mixing of free-flowing powders, granules and pellets. They have been used widely in food, enzyme, cosmetics, fine chemicals, pharma, etc.



PAM VERTICAL MIXER

SPECIFICATIONS

Model	Total capacity (liter)	Working capacity (liter)	Power (*) (kW)	Shaft Speed (RPM)
PAM-150	150	105	1.1 ~ 5	105
PAM-300	300	210	3 ~ 8	83
PAM-400	400	280	5 ~ 15	73
PAM-500	500	350	7 ~ 21	66
PAM-750	750	525	8 ~ 27	61
PAM-1000	1000	700	12 ~ 40	52
PAM-1500	1500	1050	14 ~ 48	48
PAM-2000	2000	1400	19 ~ 64	42
PAM-3000	3000	2100	22 ~ 78	38
PAM-4000	4000	2800	29 ~ 101	33
PAM-5000	5000	3500	34 ~ 120	30
PAM-6000	6000	4200	34 ~ 120	30
PAM-7000	7000	4900	38 ~ 137	28
PAM-8000	8000	5600	43 ~ 153	26
PAM-10000	10000	7000	47 ~ 167	25
PAM-12000	12000	8400	50 ~ 180	24
PAM-15000	15000	10500	57 ~ 205	22
PAM-20000	20000	14000	63 ~ 227	21

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PTP-D VACUUM MIXER DRYER



The PerMix PTP-D series Vacuum Mixer Dryer is a turbulent mixing reactor-dryer. It is used as a high-speed mixer dryer, chemical reactor or, if both processes are combined, as a dryer-reactor. They are used with particular success in agglomeration-free rapid drying, heterogeneous reactions with systems of different substances, extraction, sterilization and in general for vacuum, positive-pressure, thermal energy and comminuting aids.

PerMix PTP-D series Vacuum Mixer Dryers are widely used in the chemical, metallurgic and pharmaceutical industries among others. Standard sizes range from 3 liters up to 20,000 liters and pressure up to 50 bar.

With PTP-D vacuum mixer dryer, drying time is dramatically reduced with products free from agglomerates!

PTS PLOUGHSHARE MIXER



PerMix PTS series Plow Mixer is one of our two types of Turbulent Mixer, which are originally designed by our Israeli engineers. The other one is PTP series Paddle Mixer.

PTS Plow Mixer is so versatile that it can handle nearly all types of materials including dry powders, granular materials, short fibered substances, moist solids with liquids, pasty materials and highly viscous masses.

The PerMix PTS series Plow Mixer can be used for numerous processing, including compounding, fine mixing, dispersing, suspending, emulsifying, deaerating, tempering, accelerating chemical or physical reactions, granulating, breaking down agglomerates, etc. It is particularly suited for such difficult processes as mixing trace elements in proportions of 1 in 100,000 to 1 in 1,000,000 parts.



PTS PLOUGHSHARE MIXER

SPECIFICATIONS

Model	Total capacity (liter)	Working capacity (liter)	Power (*) (kW)	Speed (rpm)	L1(mm)	L (mm)	W (mm)	H1 (**)(mm)	H (***)(mm)
PTS-5L	5	3	1.1	0-582	180	800	500	-	-
PTS-10L	10	7	1.1	0-582	200	900	500	-	-
PTS-45	45	30	2.2	223	480	900	550	450	950
PTS-70	70	45	2.2	190	580	1,050	600	450	970
PTS-100	100	70	3	170	660	1,100	610	450	1,020
PTS-200	200	140	5.5	149	890	1,400	730	500	1,180
PTS-300	300	210	7.5	129	970	1,550	850	500	1,300
PTS-500	500	350	11	118	1,250	2,000	950	500	1,400
PTS-750	750	500	15	103	1,500	2,250	1,100	600	1,600
PTS-1000	1,000	700	22	101	1,900	2,600	1,150	600	1,800
PTS-1500	1,500	1,000	30	85	2,110	3,200	1,200	600	2,000
PTS-2000	2,000	1,400	45	72	2,110	3,500	1,350	600	2,200
PTS-3000	3,000	2,100	55	67	3,000	4,100	1,500	800	2,400
PTS-4000	4,000	2,800	75	62	3,000	4,200	1,550	800	2,600
PTS-5000	5,000	3,500	75	54	3,000	4,300	1,620	800	2,800

- PTS-L: laboratory size
- (*) (**) (***): Changes are available according to the customer's request.
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PRB RIBBON MIXER



PerMix PRB series Ribbon Mixer is an efficient and versatile blending machine for mixing of dry powders, granules and viscous pastes homogeneously. It is able to give a satisfying “homogeneity grade” for mixing jobs due to the special design of a mixing agitator with dual ribbons inside of a U-shaped working trough.

PerMix designs our PRB Ribbon Blenders which are able to achieve a maximum “mixing ratio” of 1:500,000, which means you can get the desired mixture proportion of components in as small as 1 gram with a batch of 500kg.



PRB RIBBON MIXER

SPECIFICATIONS

Model	Total capacity (liter)	Useful capacity (liter)	Power (*) (kW)	RPM	L (mm)	W (mm)	H (mm)	Outlet (***) (mm)	Weight (kg)
PRB-100	100	40-60	2.2	80	1,250	840	613	80x80	250
PRB-300	300	120-180	4	72	1,630	1,005	1,015	250x80	600
PRB-500	500	200-300	5.5	65	2,030	1,175	1,140	360x120	850
PRB-1000	1,000	400-600	11	50	2,460	1,455	1,375	360x120	1,300
PRB-2000	2,000	800-1,200	18.5	38	3,050	1,710	1,545	360x120	2,300
PRB-3000	3,000	1,200-1,800	22	35	3,500	1,865	1,680	360x120	3,300
PRB-4000	4,000	1,600-2,400	22	35	3,870	1,985	1,821	500x120	3,600
PRB-5000	5,000	2,000-3,000	30	30	4,090	2,062	1,945	500x120	4,620
PRB-6000	6,000	2,400-3,600	37	27	4,250	1,802	2,380	500x120	5,300
PRB-8000	8,000	3,200-4,800	45	24	4,590	1,956	2,504	700x120	6,800
PRB-10000	10,000	4,000-6,000	55	24	5,050	2,016	2,800	700x140	8,900
PRB-12000	12,000	4,800-7,200	55	20	5,500	2,160	2,753	700x140	9,520
PRB-15000	15,000	6,000-9,000	75	20	5,900	2,170	2,910	700x140	9,950
PRB-20000	20,000	8,000-12,000	90	17	7,180	2,690	2,830	700x140	13,500
PRB-25000	25,000	10,000-15,000	110	12	7,990	2,730	3,100	700x140	17,500
PRB-30000	30,000	12,000-18,000	132	12	8,450	2,860	3,300	700x140	19,500

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PVR VERTICAL RIBBON MIXER



The PerMix PVR series Vertical Ribbon Mixer has a similar appearance with the PRB series Ribbon Blender, but stands vertically, same as our PNA series Conical Screw Mixer. PVR Vertical Ribbon Mixers are efficient and versatile blending machines for batch mixing of free-flowing powders, granules and pellets.

PerMix Vertical Ribbon Mixers are able to give perfect result of mixing due to the design of an outer spiral type mixing element with an inner screw, rotating together in a conical shape trough, which provides a multidimensional movement of the materials, and a complete discharge of all the mixed material without any residue. The Vertical Ribbon Mixers are also featured with no contamination to the product, due to the fact that the shaft sealing is above the working area, thus no contact with the product.



PVR VERTICAL RIBBON MIXER

SPECIFICATIONS

Model	Total capacity (liter)	Working capacity (liter)	Power (*) (kW)	Diameter (mm)	H, total height (**)(mm)	Inlet (***)(mm)	Outlet (***)(mm)	Weight (kg)
PVR-50	50	35	0.75	600	1200	90	150	120
PVR-100	100	70	1.5	708	1300	100	200	180
PVR-200	200	140	2.2	800	1350	140	230	350
PVR-300	300	210	3	990	1500	180	230	460
PVR-500	500	350	4	1156	1760	200	230	510
PVR-800	800	560	5.5	1400	2040	250	300	800
PVR-1000	1000	700	7.5	1600	2200	300	300	1020
PVR-1500	1500	1050	11	1780	2400	300	300	1100
PVR-2000	2000	1400	15	1948	2700	350	350	1270
PVR-2500	2500	1750	15	2062	2780	350	350	1530
PVR-3000	3000	2100	18.5	2175	3000	350	350	1780
PVR-4000	4000	2800	18.5	2435	3600	400	400	2100
PVR-5000	5000	3500	22	2550	3860	400	400	2600
PVR-6000	6000	4200	30	2715	4100	400	400	3000
PVR-8000	8000	5600	37	2798	4500	400	450	3300
PVR-10000	10000	7000	45	3000	4860	500	450	3800

- (*) (**) (***) (****): Changes are available according to the customer's request.
- Customized sizes available as per request
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PNA CONICAL SCREW MIXER



PerMix PNA series Conical Screw Mixer is a batch mixing equipment used widely in mixing applications that require gentle mixing with minimal product distortion, minimal heat generation, and very accurate mixing homogeneity. Since it was first developed more than 60 years ago, it has been recognized as a good solution for the products which is delicate, heat sensitive or tending to segregate.

Due to the reason that PerMix Conical Screw Mixer uses the gravity to generate the significant downward massflow, it saves energy compared with a horizontal mixer.

These Conical Screw Mixers are also featured with no contamination to the product during the mixing, due to the fact that the shaft sealing & bearing is above the working area, thus no contact with the product.



PNA CONICAL SCREW MIXER

SPECIFICATIONS

Model	Total volume (liter)	Working volume (liter)	Power (*) (kW)	RPM	Dia (mm)	H, total height (**)(mm)	Inlet (***) (mm)	Outlet (****) (mm)	Weight (kg)
PNA-50	50	30	1.5+0.18	117/2	660	1400	90	150	150
PNA-100	100	60	1.5+0.18	117/2	720	1500	100	200	300
PNA-200	200	120	2.2+0.37	117/2	888	1557	140	230	500
PNA-300	300	180	2.2+0.37	90/2	990	1722	180	230	550
PNA-500	500	300	3+0.37	90/2	1156	1991	200	230	600
PNA-800	800	480	4+0.55	90/2	1492	2256	250	300	950
PNA-1000	1000	600	4+0.55	90/2	1600	2432	300	300	1200
PNA-1500	1500	900	5.5+0.55	90/2	1780	2725	300	300	1350
PNA-2000	2000	1200	5.5+0.55	90/2	1948	3001	350	350	1500
PNA-2500	2500	1500	7.5+1.1	90/2	2062	3024	350	350	1800
PNA-3000	3000	1800	7.5+1.1	90/2	2175	3207	350	350	2100
PNA-4000	4000	2400	11+1.5	57/2	2435	4010	400	400	2500
PNA-5000	5000	3000	15+2.2	57/2	2578	4260	400	400	3000
PNA-6000	6000	3600	15+2.2	57/2	2715	4470	400	400	3500
PNA-8000	8000	4800	18.5+2.2	57/2	2792	5000	400	450	3800
PNA-10000	10000	6000	22+4	57/1	3000	5240	500	450	4300

- (*) (**) (***) (****): Changes are available according to the customer's request.
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PFB FLUIDIZED ZONE MIXER



The PerMix PFB series Twin-shaft Paddle Mixer is a fast mixer with high efficiency, which can also be known as Fluidizing Mixer, Fluidized Zone Mixer, Non-gravity Mixer or Zero-gravity Mixer.

The PFB Twin-shaft Paddle Mixer is applied to prepare a homogeneous mixture despite of particle size, shape and density. When the small amount of powder additives or liquid is required to be added into the bulk material, PFB Twin-shaft Paddle Mixers are able to achieve fast and precision mixing with high capacity.

Due to its high efficiency and reliable performance, PerMix Twin-shaft Paddle Mixers are widely applied in many industries, including but not limited to: Building materials, Fly ash conditioning, Animal feeds, Mineral premixes, Instant drinks, Milk powders, Vitamin mixes, etc.



PFB FLUIDIZED ZONE MIXER

SPECIFICATIONS

Model	Total L	Nominal L	Max. L	Batch Weight (BD=0.8)	kW Chain Drive	kW Dual drive	RPM
PFB-10	10	1.2	3				
PFB-25	25	3.6	8.4			0.37x2	120
PFB-60	60	12	28	22.4	1.5	0.75x2	105
PFB-100	100	24	56	44.8	3	2.2x2	88
PFB-200	200	36	84	67.2	4	2.2x2	70
PFB-300	300	72	168	134.4	5.5	3x2	60
PFB-500	500	120	280	224	7.5	4x2	50
PFB-1000	1000	210	490	392	11	5.5x2	45
PFB-1250	1250	300	700	560	15	7.5x2	45
PFB-2000	2000	450	1050	840	18.5	11x2	45
PFB-2500	2500	600	1400	1120	22	11x2	30
PFB-3000	3000	720	1680	1344	30	18.5x2	30
PFB-4000	4000	900	2100	1680	30	15x2	30
PFB-5000	5000	1200	2800	2240	37	18.5x2	30
PFB-6000	6000	1500	3500	2800	45	22x2	30
PFB-8000	8000	1920	4480	3584	55	30x2	30
PFB-10000	9000	2160	5040	4032	55	30x2	30
PFB-12000	12000	3000	7000	5600	75	37x2	30
PFB-15000	15000	3600	8400	6720	90	45x2	20
PFB-20000	20000	4800	11200	8960	110	55x2	18

- (*) (**): kW and rpm are product dependent.
- Bigger sizes and tailor-made sizes are available against request.
- All specifications and illustrations are as accurate as is reasonably possible, but they are not binding.
- PerMix reserves the right to modify the design without notice.

PFBS FLUIDIZED ZONE MIXER



The PerMix PFBS series Single-Shaft Fluidized Paddle Mixer is a fast mixer with high efficiency, which can also be known as Fluidizing Mixer, Fluidized Zone Mixer, Non-gravity Mixer or Zero-gravity Mixer.

The PFBS Single-Shaft Fluidized Paddle Mixer is applied to prepare a homogeneous mixture despite of particle size, shape and density. When the small amount of powder additives or liquid is required to be added into the bulk material, PFBS Single-Shaft Fluidized Paddle Mixers are able to achieve fast and precision mixing with high capacity.

Due to its high efficiency and reliable performance, PerMix Single-Shaft Fluidized Paddle Mixers are widely applied in many industries, including but not limited to: Building materials, Fly ash conditioning, Animal feeds, Mineral premixes, Instant drinks, Milk powders, Vitamin mixes, etc.



PFBS FLUIDIZED ZONE MIXER

SPECIFICATIONS

Model	Total capacity (liter)	Useful capacity (liter)	Power (*) (kW)	RPM	L (mm)	W (mm)	H (mm)	Outlet (****) (mm)	Weight (kg)
PFBS-100	100	40-60	2.2	80	1,250	840	613	80x80	250
PFBS-300	300	120-180	4	72	1,630	1,005	1,015	250x80	600
PFBS-500	500	200-300	5.5	65	2,030	1,175	1,140	360x120	850
PFBS-1000	1,000	400-600	11	50	2,460	1,455	1,375	360x120	1,300
PFBS-2000	2,000	800-1,200	18.5	38	3,050	1,710	1,545	360x120	2,300
PFBS-3000	3,000	1,200-1,800	22	35	3,500	1,865	1,680	360x120	3,300
PFBS-4000	4,000	1,600-2,400	22	35	3,870	1,985	1,821	500x120	3,600
PFBS-5000	5,000	2,000-3,000	30	30	4,090	2,062	1,945	500x120	4,620
PFBS-6000	6,000	2,400-3,600	37	27	4,250	1,802	2,380	500x120	5,300
PFBS-8000	8,000	3,200-4,800	45	24	4,590	1,956	2,504	700x120	6,800
PFBS-10000	10,000	4,000-6,000	55	24	5,050	2,016	2,800	700x140	8,900
PFBS-12000	12,000	4,800-7,200	55	20	5,500	2,160	2,753	700x140	9,520
PFBS-15000	15,000	6,000-9,000	75	20	5,900	2,170	2,910	700x140	9,950
PFBS-20000	20,000	8,000-12,000	90	17	7,180	2,690	2,830	700x140	13,500
PFBS-25000	25,000	10,000-15,000	110	12	7,990	2,730	3,100	700x140	17,500
PFBS-30000	30,000	12,000-18,000	132	12	8,450	2,860	3,300	700x140	19,500

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PDI HIGH SPEED GRANULATOR MIXER



The PerMix PDI series High Speed Mixer, also called Mixer Granulator, Wet Granulator, or High Shear Mixer Granulator, is an efficient and versatile blending machine for mixing of dry powders, or granulating with the addition of liquid binder, within a very short time and with excellent cleaning abilities. It is able to give perfect result for mixing due to the innovative design of a central Impeller type mixer with a side vertical Chopper.

The proven mixing action of the PerMix PDI series High Speed Mixer ensures effective mixing in many applications. Optimal performance is assured with dedicated designs of optional feeding, discharging and installation.



PDI HIGH SPEED GRANULATOR MIXER

SPECIFICATIONS

Model	Total Volume, [Liter]	Operation Volume, [Liter]	Impeller Power, [kW]	Impeller Speed, [rpm]	Chopper Power, [kW]	Chopper Speed, [rpm]
PDI-10	10	6	2.2	381	1.1	1,500
PDI-50	50	30	4	288	1.1	1,500
PDI-100	100	60	5.5	277	1.5	1,500
PDI-200	200	120	7.5	193	3	1,500
PDI-300	300	180	11	176	4	1,500
PDI-400	400	240	15	176	5.5	1,500
PDI-600	600	360	22	149	5.5	1,500
PDI-800	800	480	30	124	7.5	1,500
PDI-1000	1,000	600	37	116	11	1,500
PDI-1500	1,500	900	55	99	18.5	1,500

- All specifications are as accurate as is reasonably possible, but they are not binding.
- Customized sizes are available against request.
- PerMix reserves the right to modify the design without notice.

PTU 3D MIXER



The PerMix PTU series 3D Mixer or Multi Direction Powder Mixer is used for homogeneous mixing of powdery substances with different specific weights and particle sizes. Producing dry-to-wet and wet-to-wet mixtures is also possible. The production process is hygienic and dust-free because the product is mixed in independent containers of variable sizes.

During the mixing process the powder moves in a random direction from center to the end of the trough and at the same time from top to the bottom. In such a multi-dimensional way, the PerMix PTU series 3D Mixer needs only short mixing time and relatively low power consumption.

The mixer's "Gentle" mixing action is good for final products that are sensitive to high shear of the mixer and tend to break or to reduce their particles size, or are highly abrasives.



PTU 3D MIXER

SPECIFICATIONS

Model	Total volume (liter)	Operation Volume, Liter	Power, (kW)	Speed of Mixing Can, rpm	Length, mm	Width, mm	Height, mm	Weight, kg
PTU-5	5	4	0.25	28	600	1000	900	150
PTU-15	15	12	0.37	20	700	1000	1000	200
PTU-50	50	40	1.5	15	1120	1330	1220	500
PTU-100	100	80	2.2	12	1370	1550	1430	700
PTU-300	300	240	4	8	2000	2400	2100	1600

- All specifications are as accurate as is reasonably possible, but they are not binding.
- Bigger sizes up to 1,000L are available against request.
- PerMix reserves the right to modify the design without notice.

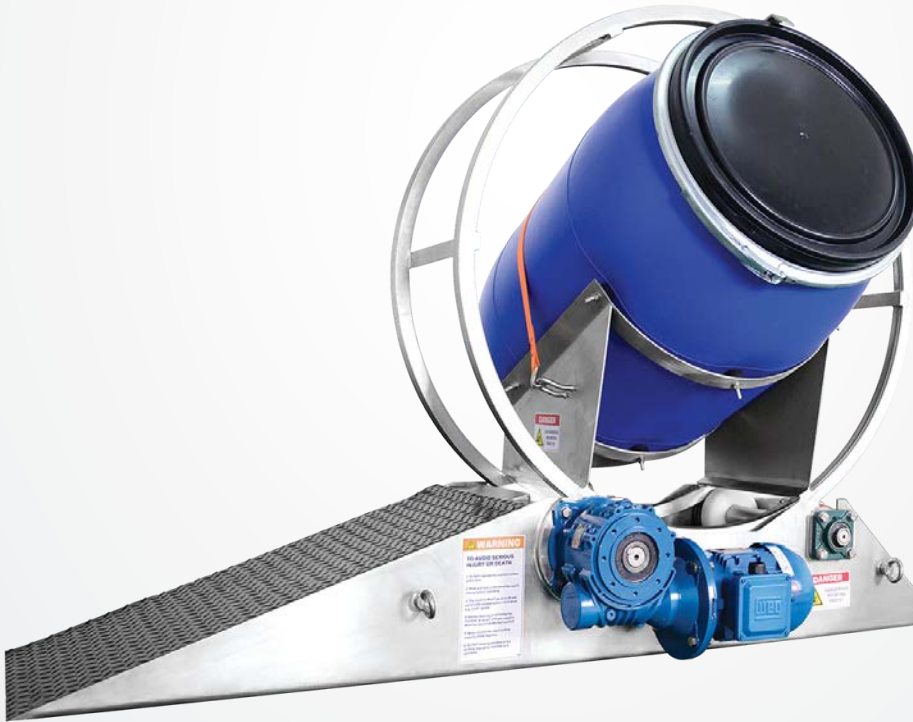
PDR DRUM HOOP MIXER



The PerMix PDR series Drum Hoop Mixer has been developed to meet increasing demands for a low batch mixer for mixing, blending, homogenizing, dyeing of dry powders and granules particularly in smaller industries or when frequent product changes as required.

PerMix Drum Hoop Mixers comprise a drive unit with roll-on / roll-off ramp, and it is used in mixing, homogenizing and dyeing of powdery or granulated components in the plastics industry, chemical industry, drug and dye works, food industry as well as textile and leather industry.

Drum capacity of PDR Mixer is usually 200L, but also available with 50 and 100 liters. Usually the drum is available as standard product in the market; however customized drums are also accepted, and the hoop then needs to be adapted to the drum size.



PDR DRUM HOOP MIXER

SPECIFICATIONS

Model	Total Volume, Liter	Operation Volume, Liter	Max. Loading Weight, kg	Power, kW	Speed of Drum Hoop, rpm	L mm	W mm	H mm	Weight kg
PDR-50	50	35	30	0.55	15	1350	670	1185	130
PDR-100	100	70	60	0.55	15	1350	670	1185	130
PDR-200	200	140	120	0.55	15	1350	670	1185	130

- All specifications are as accurate as is reasonably possible, but they are not binding.
- Length, width, height, weight are without the drum.
- Customized sizes are available against request.
- PerMix reserves the right to modify the design without notice.

PDC DOUBLE CONE MIXER



PerMix PDC series Double Cone Blender are unique mixers suitable for rapid and uniform mixing of free flowing dry powders, granules and crystals.



PDC DOUBLE CONE MIXER

SPECIFICATIONS

Model	Total, Liter	Working, Liter	Power, kW	Length, mm	Width, mm	Height, mm	Operation Height, mm
PDC-5	5	3	0.25	800	500	660	750
PDC-15	15	7	0.37	600	430	1,265	1,335
PDC-45	45	20	0.55	850	620	1,540	1,650
PDC-100	100	50	0.75	1,100	810	1,620	1,950
PDC-200	200	100	1.1	1,400	1,020	2,100	2,280
PDC-300	300	150	1.5	1,600	1,160	2,320	2,530
PDC-500	500	250	2.2	1,630	1,070	2,600	2,600
PDC-700	700	350	3	1,820	1,200	2,770	2,770
PDC-1000	1,000	500	4	2,100	1,350	2,985	2,985
PDC-2000	2,000	1,000	5.5	2,620	1,350	2,145	2,280
PDC-3000	3,000	1,500	7.5	2,990	1,550	2,440	2,600
PDC-4000	4,000	2,000	11	3,280	1,680	2,685	2,850
PDC-5000	5,000	2,500	15	3,530	1,810	2,890	3,070

- All specifications are as accurate as is reasonably possible, but they are not binding.
- Customized sizes are available against request.
- PerMix reserves the right to modify the design without notice.

PVM V-BLENDER MIXERS



PerMix PVM series V Blender are unique mixers suitable for rapid and uniform mixing of free flowing dry powders, granules and crystals.



PVM V-BLENDER MIXERS

SPECIFICATIONS

Model	Total Vol., Liter	Operation Vol., Liter	Power, kW	Length, mm	Width, mm	Height, mm	Operation Height, mm
PVM-5	5	3	0.25	810	500	660	770
PVM-15	15	7	0.37	700	525	1,100	1,150
PVM-45	45	20	0.55	1,000	760	1,300	1,400
PVM-100	100	50	0.75	1,200	990	1,500	1,630
PVM-200	200	100	1.1	1,560	1,240	1,715	1,890
PVM-300	300	150	1.5	1,750	1,400	1,900	2,000
PVM-500	500	250	2.2	2,200	1,600	2,550	2,825
PVM-700	700	350	3	2,400	1,900	2,720	2,970
PVM-1000	1,000	500	4	2,670	2,120	2,850	3,150
PVM-2000	2,000	1,000	5.5	3,550	2,680	2,280	2,660
PVM-3000	3,000	1,500	7.5	4,050	3,060	2,620	3,050
PVM-4000	4,000	2,000	11	4,450	3,350	2,880	3,300
PVM-5000	5,000	2,500	15	4,800	3,570	3,070	3,550

- All specifications are as accurate as is reasonably possible, but they are not binding.
- Customized sizes are available against request.
- PerMix reserves the right to modify the design without notice.



PASTE KNEADERS AND MIXERS

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PSG SIGMA MIXER



The PerMix PSG series Sigma Mixer, which is also known as the Double Sigma Mixer, or Double Z Blade Mixer, is used for the mixing-kneading of materials with very high viscosity (over 500,000 cps).

With its unique design of Z-shaped mixing tools installed in two semi-cylinders, the PerMix PSG series Sigma Mixer is able to provide a combined functions of compressing, stretching, folding, kneading & mixing, which makes it widely used in the chemical, food, sealing compound and paint industries, among others. If a screw extruder is applied for discharging, the mixer is also called Sigma Mixer Extruder, or Mixtruder.



PSG SIGMA MIXER

SPECIFICATIONS

Sigma Mixer with Tilting Discharge (PSG)

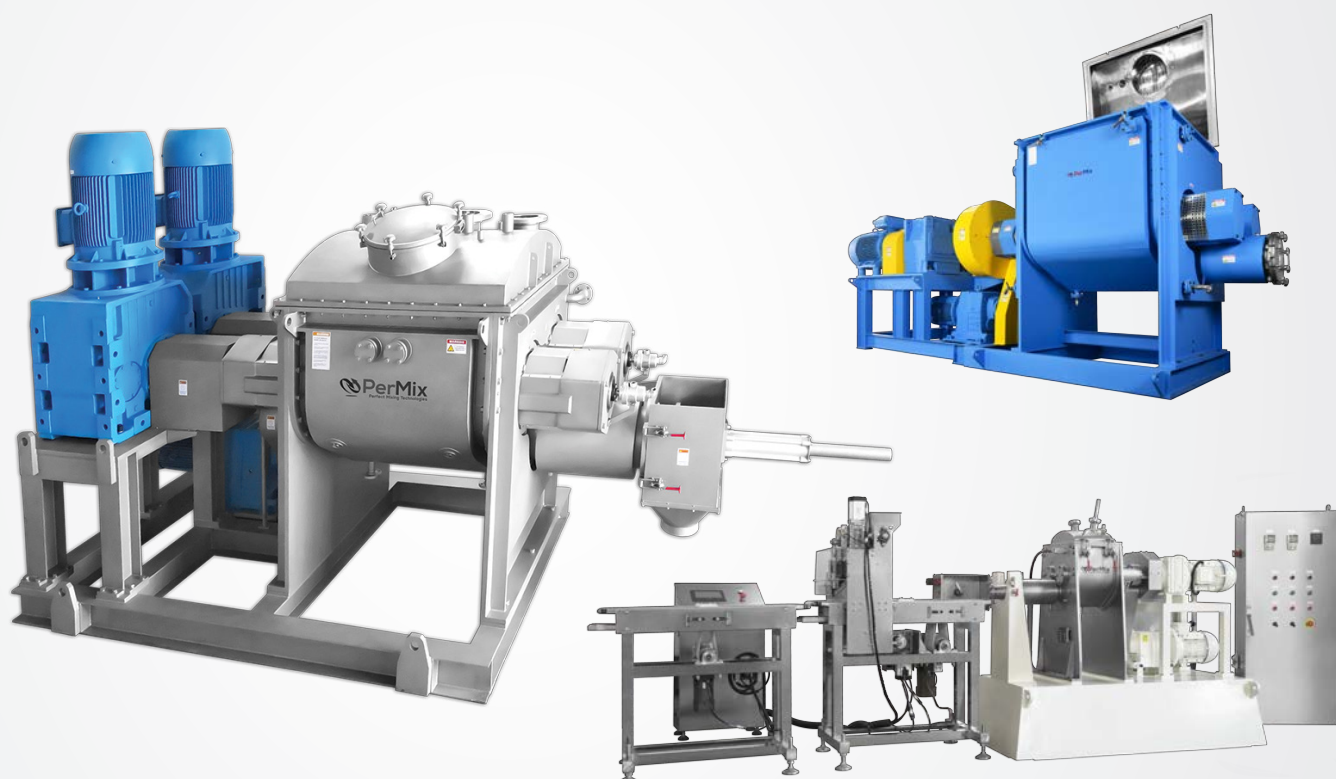
Model	Total capacity (liter)	Working capacity (liter)	Power for Arms, kW (high viscosity)	Power for Arms, kW (very high viscosity)	Arm Speed, rpm	Length (mm)	Width (mm)	Height (mm)
PSG-1	1	0.6	1.1	2.2	60/47	550	450	700
PSG-3	3	2	1.1	2.2	65/40	650	500	700
PSG-5	5	3.5	1.1	2.2	65/40	700	550	730
PSG-10	10	6	1.5	3	50/35	900	580	691
PSG-15	15	10	2.2	5	50/28	1053	623	861
PSG-50	50	30	3~5.5	5.5~11	43/27	1330	910	1350
PSG-100	100	60	5.5~7.5	11~15	40/25	1588	984	1452
PSG-150	150	90	5.5~11	11~15	40/25	1780	990	1600
PSG-200	200	120	7.5~15	15~22	41/26	1988	1000	1829
PSG-300	300	180	7.5~22	15~30	33/22	2730	1930	1745
PSG-400	400	240	11~30	22~37	33/22	2850	1950	1800
PSG-600	600	360	30~37	55~75	35/23	3070	2080	1870
PSG-800	800	480	30~45	55~90	32/21	3270	2250	1950
PSG-1000	1000	600	37~55	75~110	32/21	4080	1560	2055
PSG-1500	1500	900	45~75	90~160	29/19	4600	1700	2330
PSG-2000	2000	1200	55~75	110~160	29/19	5100	1850	2600

- All specifications are as accurate as is reasonably possible, but they are not binding.
- Arms speed can be specified by the customer.
- Customized sizes are available against request.
- PerMix reserves the right to modify the design without notice.

PSG-X SIGMA MIXTRUDER



PerMix PSG-X Sigma Mixer Extruder (or Mixtruder) is designed with an extrusion screw located in a cylindrical barrel in the middle and below the two mixing arms. The extrusion screw is used to discharge the product, but can also run in reversed direction during mixing cycle, lifting materials up to the reach of mixing arms, thus assuring a thorough kneading and accelerating the mixing process. The screw has its own separate drive.



PSG-X SIGMA MIXTRUDER

SPECIFICATIONS

Mixtruder with Screw Discharge (PSG-X)

Model	Total capacity (liter)	Working capacity (liter)	Power for Arms, kW (high viscosity)	Power for Arms, kW (very high viscosity)	Arm Speed, rpm	Power for Screw, kW (high viscosity)	Power for Screw, kW (very high viscosity)	Screw Speed, rpm
PSG-1X	1	0.6	1.1	2.2	60/47	0.55	1.1	59
PSG-3X	3	2	1.1	2.2	60/47	0.55	1.1	59
PSG-5X	5	3.5	1.1	2.2	60/47	0.55	1.1	59
PSG-10X	10	6	1.5	3	53/38	0.75	1.5	60
PSG-15X	15	10	2.2	5	50/28	1.1	2.2	60
PSG-50X	50	30	3~5.5	5.5~11	43/27	1.5	3	58
PSG-100X	100	60	5.5~7.5	11~15	40/25	3	4	58
PSG-150X	150	90	5.5~11	11~15	40/25	3	5.5	57
PSG-200X	200	120	7.5~15	15~22	41/26	3	5.5	51
PSG-300X	300	180	7.5~22	15~30	33/22	4	7.5	51
PSG-400X	400	240	11~30	22~37	33/22	5.5	11	51
PSG-600X	600	360	30~37	55~75	35/23	11	30	53
PSG-800X	800	480	30~45	55~90	32/21	11	30	53
PSG-1000X	1000	600	37~55	75~110	32/21	15	37	50
PSG-1500X	1500	900	45~75	90~160	29/19	18.5	45	45
PSG-2000X	2000	1200	55~75	110~160	29/19	22	55	45

- All specifications are as accurate as is reasonably possible, but they are not binding.
- Arms speed can be specified by the customer.
- Customized sizes are available against request.
- PerMix reserves the right to modify the design without notice.

PDP DOUBLE PLANETARY MIXER



The PerMix PDP series Double Planetary Mixer is also called double planetary kneader, because it can be used to handle very viscous materials up to 1,500,000 cPs. Usually the PerMix PDP series Double Planetary Mixer has two vertically mounted mixing tools which are driven by one gear to move around the central axe of the tank as well as their own axis.

The PerMix PDP series Double Planetary Mixer is so versatile that it can be used to mix, knead, stir and deaerate all types of material, including highly viscous pastes, even to granulate wet powders. Industrial pastes produces by the PerMix PDP series Double Planetary Mixer include concentrated paints and varnishes, printing inks, fillers, silicone and thiocole pastes, plastisoles, plastic coatings, synthetic lubricating greases and many other materials.



PDP DOUBLE PLANETARY MIXER

SPECIFICATIONS

Model	Total volume (liter)	Working volume (liter)	Motor (kW)	Lifting power (kW)	Length (mm)	Width (mm)	Height [closed] (mm)	Height [open] (mm)
PDP-3	3.5	2	0.75	-	950	500	1,500	-
PDP-10	10	6	1.5	-	1,000	500	1,650	-
PDP-30	30	20	4	1.1	1,250	700	1,350	1,750
PDP-50	50	35	5.5	1.1	1,300	800	1,450	1,900
PDP-100	100	70	7.5	1.5	1,550	700	1,450	1,950
PDP-200	200	140	11	2.2	1,850	800	1,700	2,300
PDP-300	300	210	15	2.2	1,900	900	1,700	2,350
PDP-500	500	350	30	4	2,400	1,050	2,000	2,800
PDP-750	750	520	37	4	2,750	1,200	2,400	3,300
PDP-1000	1,000	700	45	5.5	2,800	1,650	2,450	3,300

- All specifications are as accurate as is reasonably possible, but they are not binding.
- Customized sizes are available against request.
- PerMix reserves the right to modify the design without notice.

PMS MULTI-SHAFT VACUUM MIXER



PerMix PMS series Multi-shaft Vacuum Mixer is a revolutionary universal multi-processing mixer which is designed to serve a wide variety of industries in many different processes.



PMS MULTI-SHAFT VACUUM MIXER

SPECIFICATIONS

Model	Total volume (liter)	Working volume (liter)	Emulsifying motor, kW	Scraper motor, kW	Lifting motor, kW	Length (mm)	Width (mm)	Height [closed] (mm)	Height [open] (mm)
PMS-10	13	10	0.37	0.37	-	1,050	450	1,000	-
PMS-20	25	20	0.37	0.55	-	1,070	650	1,250	-
PMS-50	70	50	0.75	0.75	0.75	1,300	720	1,550	2,000
PMS-100	125	100	1.5	1.5	0.75	1,500	1,200	1,600	2,100
PMS-150	180	150	2.2	2.2	0.75	1,650	1,250	1,650	2,300
PMS-200	230	200	4	3	1.1	1,700	1,300	1,650	2,350
PMS-300	350	300	5.5	4	1.1	1,850	1,350	1,550	2,450
PMS-500	580	500	7.5	5.5	1.1	2,200	1,600	1,900	2,800
PMS-750	900	750	11	7.5	1.5	2,400	1,650	2,200	3,400
PMS-1000	1,200	1,000	15	11	1.5	2,600	1,800	2,500	3,700

- All specifications are as accurate as is reasonably possible, but they are not binding.
- Customized sizes are available against request.
- PerMix reserves the right to modify the design without notice.

PVC VACUUM EMULSIFYING MIXER



- Vacuum • Heat & Chill • Mix & Blend • Homogenize, Emulsify, Puree & more...

PerMix PVC series Vacuum Emulsifying Mixers are especially designed and used extensively in production of Mayonnaise, Ketchup, Dressings, Chocolate Fillings, Chocolate Frostings, Sauces, etc; but can also be applied in the food, cosmetic, chemical and pharmaceutical industries.

The PerMix Vacuum Emulsifying Mixer is more than a single emulsifying mixer, but a vacuum mixing, dispersing and emulsifying system that is used whenever a high quality and absolutely air-free product is required as with the PerMix PMS series Multi-shaft Mixer, but at a lower cost.

PerMix PVC series Vacuum Emulsifying Mixers cater to various work processes which normally require more machinery in one system. In the PVC series Vacuum Emulsifying Mixer, base materials can be mixed in liquids, dispersed and homogenized while at the same time all air is removed. This produces stable emulsions with a long shelf life in storage.



PVC VACUUM EMULSIFYING MIXER

SPECIFICATIONS

Model	Total volume, liter	Working volume, liter	Emulsifying motor, kW	Scraper motor, kW	Length (mm)	Width (mm)	Height [closed] (mm)	Height [open] (mm)
PVC-8	10	8	2.2	0.37	1,360	1,250	1,320	1,500
PVC-50	70	50	4	0.37	1,820	1,710	1,610	1,900
PVC-100	125	100	7.5	0.55	2,050	1,920	1,740	2,100
PVC-150	180	150	11	0.75	2,230	2,010	1,820	2,200
PVC-300	350	300	18.5	1.1	2,810	2,180	2,030	2,500
PVC-500	580	500	30	2.2	3,110	2,580	2,320	3,000
PVC-1000	1,200	1,000	55	4	3,270	2,850	3,250	4,000

- All specifications are as accurate as is reasonably possible, but they are not binding.
- Customized sizes are available against request.
- PerMix reserves the right to modify the design without notice.

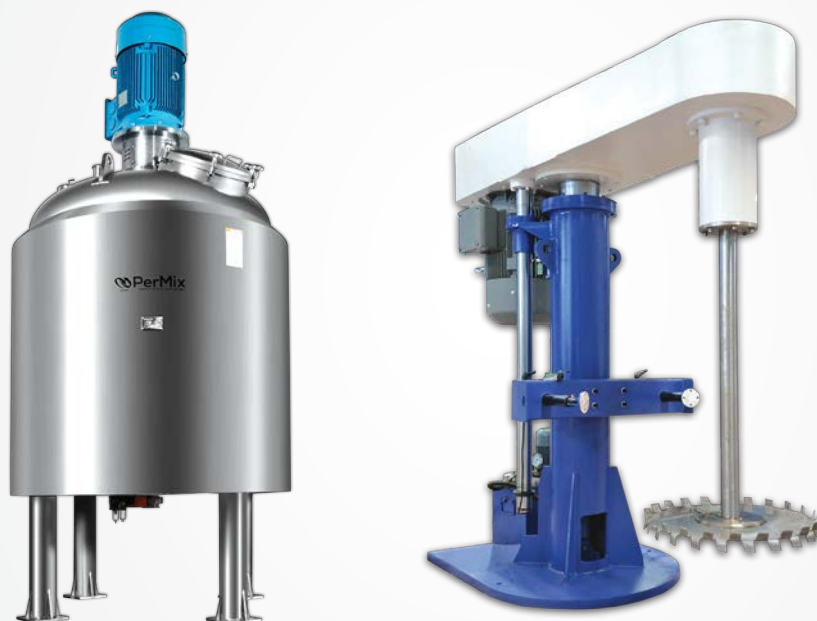
PD HIGH SPEED DISPERSER



The PerMix PD series High Speed Disperser (or Dissolver) is ideally designed to meet the demands of a broad spectrum of industrial applications for dispersing purpose of solid or liquid materials into liquid body.

PD series High Speed Disperser (or Dissolver) works with the powerful high speed rotation of the saw disc impeller. Liquid or solid materials are subject to the high shear force at the periphery of the saw disc when the impeller is rotating at high speed, and they are dispersed quickly and efficiently into the liquid body, after short time, homogeneous dispersion is produced.

The ease of operation and high efficiency of PerMix High Speed Dispersers reduce cost and operation time, and have proven themselves by providing the most economical solutions to a variety of dispersing problems.



PD HIGH SPEED DISPERSER

SPECIFICATIONS

Model	Working volume (liter)	Main Motor (kW)	Max. Shaft Speed (rpm)	Overall Dimension					Weight (kg)
				L (mm)	W (mm)	H (mm)	H (lifted) (mm)	Disc Dia. (mm)	
PD-5L *	2-5	0.55	0-10,000	460	420	740	990	50/60	30
PD-70 *	70	1.5/2.2	3,000	680	775	1410	1910	120/100	140
PD-100	100	3	2,100	950	400	1500	2100	150/100	200
PD-200	200	5.5	2,100	1400	700	1750	2550	200/150	500
PD-300	300	7.5	2,100	2200	1100	2100	3100	250/200	1200
PD-500	500	11	1,500	2200	1100	2100	3100	300/250	1300
PD-700	700	18.5	1,500	2400	1300	2200	3300	350/300	1400
PD-1000	1000	22	1,500	2500	1400	2200	3300	400/300	1600
PD-1200	1200	30	1,500	2800	1600	2500	3700	425/350	1900
PD-2000	2000	37	1,500	2800	1600	2500	3700	500/425	2100
PD-3000	3000	55	1,500	3400	2200	3000	4500	625/500	2400
PD-4000	4000	75	1,000	3400	2200	3000	4500	700/625	2600
PD-6000	6000	110	1,000	3800	2400	3200	4800	800/700	3100

- Dimension/Weight information of PD-5L/PD-70 includes the manual lifting stand.
- Specific working volumes can be offered according to customer's requirement.
- All specifications and illustrations are as accurate as is reasonably possible, but they are not binding.
- PerMix reserves the right to modify the design without notice.



LIQUID DISPERSERS AND MIXERS

PERFECT
**FLUID
MIXING**



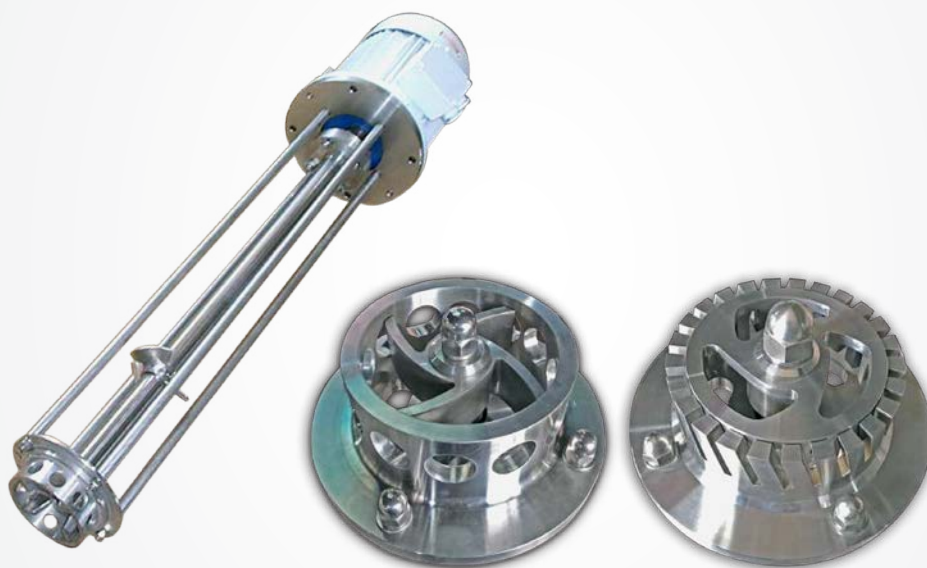
LIQUID DISPERSING & MIXING

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PS HIGH SHEAR MIXER



PerMix PS series High Shear Mixer is applied to achieve dispersing, homogenizing, emulsifying, and suspending functions. They work with a special designed stator/rotor working head.



PS HIGH SHEAR MIXER

SPECIFICATIONS

Top Entry Mixer:

Model	Watts, kW	RPM, @50Hz	Max. Capacity, L		Shaft Length, mm
			@1 cPs	@3.000 cPs	
PS-X1080	1.5	3000	50	20	350
PS-X/100	2.2		100	50	600
PS-X1 20	4		300	150	700
PS-X1140	7,5		800	500	800
PS-X1160	11		1500	750	820
PS-X/180	18.5		2000	1000	1100
PS-X1200	22	1500	4000	2000	1150
PS-X1220	30		5000	2500	1200
PS-X1240	37		6500	3200	1300
PS-X/270	55		10000	5000	1500
PS-X/290	75		12000	6000	1550
PS-X1300	90		15000	7500	1600

- PS-C, PS-1D, PS-M share the same specifications.
- Actual liquid capacity will vary depending on the liquid type and different stator rotor system.
- PerMix offers bigger capacity according to customer requests.
- PerMix reserves the right to modify the design without notice.

PS HIGH SHEAR MIXER



PerMix PS series High Shear Mixer is applied to achieve dispersing, homogenizing, emulsifying, and suspending functions. They work with a special designed stator/rotor working head.



PS HIGH SHEAR MIXER

SPECIFICATIONS

Bottom Entry Mixer:

Model	Watts, kW	RPM, @Nit	Max. Capacity, L		Shaft Length, mm
			@1 cPs	@3.000 cPs	
PS-B180	1.5	3000	50	20	80
PS-B/100	2.2		100	50	100
PS-B1120	4		300	150	150
PS-B/140	7.5		1000	500	150
PS-B/160	11		1500	750	150
PS-01180	18.5		2000	1000	180
PS-B1200	22		4000	2000	180
PS-B1220	30	1500	5000	2500	190
PS-B/240	37		6500	3200	200
PS-B/270	55		10000	5000	210
PS-B/290	75		12000	6000	210

- Actual liquid capacity will vary depending on the liquid type and different stator rotor system.
- PerMix offers bigger capacity according to customer requests.
- PerMix reserves the right to modify the design without notice.

PC INLINE EMULSIFIER MIXER

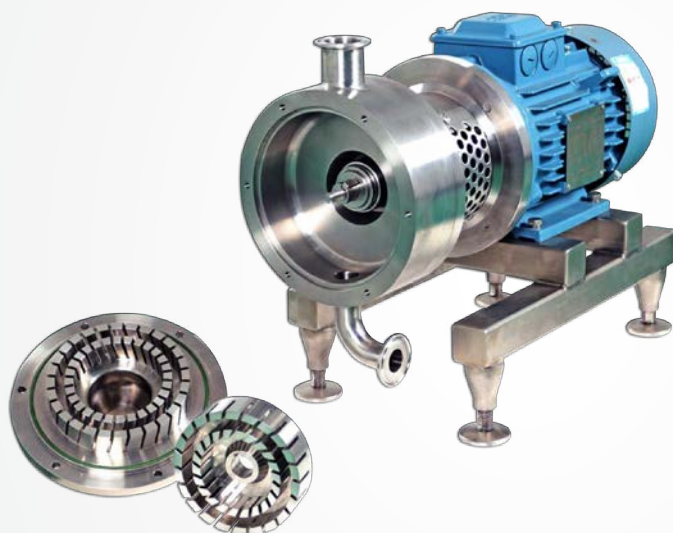


An inline mixer is a high shear mixer for inline or continuous operation. In the Inline process, the mixer is installed outside the tank. This makes it easy to be built into an existing production line with normal inlet/outlet connections.

In the case to deal with liquid with a low viscosity, the inline mixer can pump the liquid without an additional pump. That is why it is also called High Shear Pump.

The mixer can be used to deal with the product in a single pass or with several circulations to make the product better.

Different from a Batch High Shear Mixer, the mixing occurs in the mixing chamber, thus energy is introduced onto materials in the most efficient way. This also cuts the process times by up to 90% compared with conventional blending methods.



PC INLINE EMULSIFIER MIXER

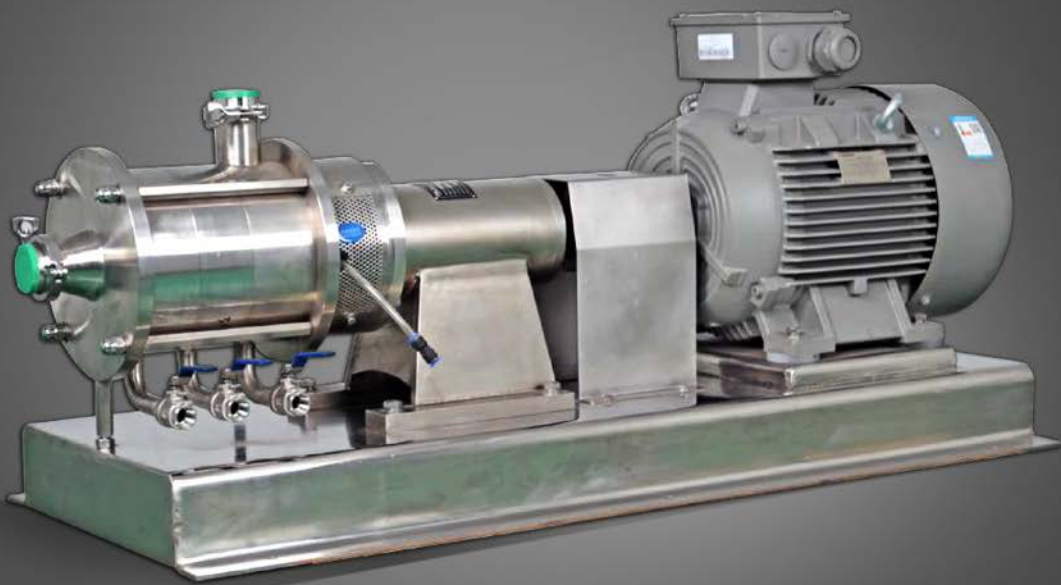
SPECIFICATIONS

Single stage, PC-1

Model	Watts, kW	RPM, @50Hz	Max. Capacity [L/hr] @ 1 cPs	Size [DN]	
				Inlet	Outlet
PC-1/60K-Ultra	4	7,500	1,500	32	25
PC-1/80K	1.5	3,000	1,500	32	25
PC-1/100K	2.2		3,000	40	32
PC-1/120K	4		4,000	40	32
PC-1/140K	5.5		5,000	50	40
PC-1/165K	7.5		8,000	50	40
PC-1/180K	11		12,000	65	50
PC-1/185K	15		18,000	65	50
PC-1/200K	22		25,000	65	50
PC-1/210K	37		35,000	80	65
PC-1/230K	45		50,000	100	80
PC-1/245K	55		75,000	100	80
PC-1/260K	75		90,000	125	100
PC-1/280K	90		110,000	125	100
PC-1/290K	132		130,000	150	125

- Actual liquid capacity will vary depending on the liquid type and different stator rotor system.
- PerMix offers bigger capacity according to customer requests.
- PerMix reserves the right to modify the design without notice.

PC INLINE EMULSIFIER MIXER

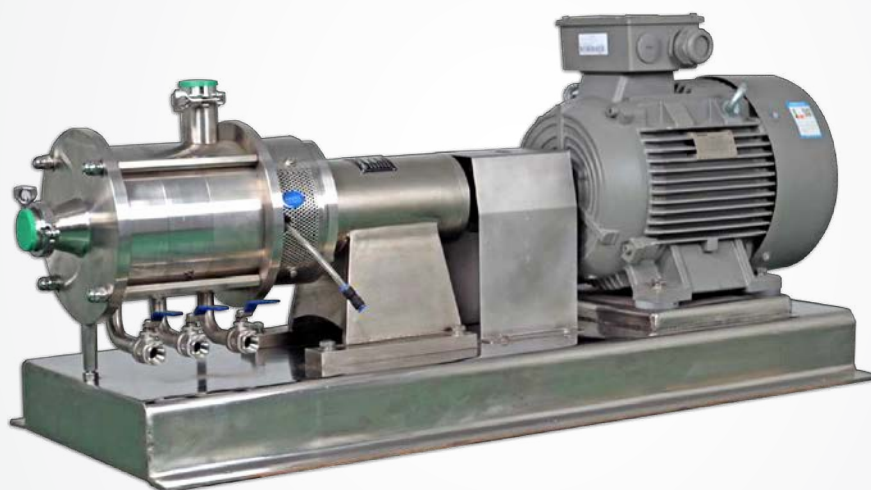


An inline mixer is a high shear mixer for inline or continuous operation. In the Inline process, the mixer is installed outside the tank. This makes it easy to be built into an existing production line with normal inlet/outlet connections.

In the case to deal with liquid with a low viscosity, the inline mixer can pump the liquid without an additional pump. That is why it is also called High Shear Pump.

The mixer can be used to deal with the product in a single pass or with several circulations to make the product better.

Different from a Batch High Shear Mixer, the mixing occurs in the mixing chamber, thus energy is introduced onto materials in the most efficient way. This also cuts the process times by up to 90% compared with conventional blending methods.



PC INLINE EMULSIFIER MIXER

SPECIFICATIONS

Three-stage, PC-3

Model	Watts, kW	RPM, @50Hz	Max. Capacity [L/hr] @ 1 cPs	Size [DN]	
				Inlet	Outlet
PC-3/80K	4	3,000	1,500	32	25
PC-3/100K	5.5		3,000	40	32
PC-3/120K	7.5		4,000	40	32
PC-3/140K	11		5,000	50	40
PC-3/165K	18.5		8,000	50	40
PC-3/180K	22		12,000	65	50
PC-3/185K	30		18,000	65	50
PC-3/200K	45		25,000	65	50
PC-3/210K	55	1,500	35,000	80	65
PC-3/230K	75		45,000	100	80
PC-3/245K	90		60,000	100	80
PC-3/260K	110		75,000	100	80
PC-3/280K	132		95,000	125	100

- Actual liquid capacity will vary depending on the liquid type and different stator rotor system.
- PerMix offers bigger capacity according to customer requests.
- PerMix reserves the right to modify the design without notice.

PCH SHEAR PUMP



PerMix PCH series Shear Pump combines the advantage of both a centrifugal pump and an inline high shear mixer. It achieves the balance of pumping efficiency and shearing energy.

PerMix Shear Pump has a pair of stator rotor, and the rotor is made of a pumping impeller in the center and a toothed ring. By this design, PerMix Shear Pump can keep a medium shearing performance while give a fairly large pumping capability. When a higher shearing is required, the customer can go for the PerMix PC series Inline Emulsifying Mixer.

PerMix PCH Shear Pump is designed and built in all stainless steel, especially for hygienic applications, for example dairy, food, cosmetics and pharmaceutical industries. PerMix Shear Pump can be easily cleaned with CIP (Clean In Place) system to save time and labor.

By installing an optional hopper or a feeding table, PerMix Shear Pump is converted to a Powder Liquid Mixer, to be able to dissolve/disperse free flowing powder material into light liquid in a quite fast and efficient way.



PCH SHEAR PUMP

SPECIFICATIONS

Model	Motor, kW	RPM, @50Hz	Max. Liquid Capacity, L/hr	Max. Powder Capacity, Kg/min	Size [DN]	
					Inlet	Outlet
PCH-100	3-4	3,000	5,000	3	40	32
PCH-130	5.5-7.5		10,000	10	50	40
PCH-160	11-18.5		20,000	18	65	50
PCH-190	22-30		30,000	32	65	50
PCH-210	30-37		40,000	50	80	65

- Actual liquid/powder capacity will vary depending on the material characters and stator rotor type.
- PerMix offers bigger capacity according to customer requests.
- PerMix reserves the right to modify the design without notice.

PT-C POWDER LIQUID MIXER



The PerMix PT-C Series Powder Liquid Mixer is a family of equipment which are designed for mixing powder into liquid in an efficient way. By a selection of different rotating element, PT-C Powder Liquid Mixer is able to provide various functions of:

- High volume powder induction
- Dispersing of "difficult-to-wet" powder,
- Handling the fine dusty powders
- Homogenizing
- Emulsifying, etc.

PerMix offers four (4) types of Powder Liquid Mixer, covering the common product range in the market:

- PT-C/Q (Double Wall Design)
- PT-C/Y (Special Stator Rotor)
- PT-C/F (Two Pumps Design)
- PCH (Shear Pump)

With its many distinguished features and options, PerMix PT-C Powder Liquid Mixers are widely used in mixing of almost all kinds of powdery products by a variety of industries, e.g. food and beverage, dairy care, pharmaceutical, chemical.



PT-C POWDER LIQUID MIXER

SPECIFICATIONS

(1.1) PT-C/Q-HS (Double Wall Design), w/ High Shear Stator/Rotor

Model	Watts, kW	RPM, @50Hz	Max. Liquid Capacity, Ton/hr	Max. Powder Capacity, Kg/min
PT-C/Q-80HS	1.5	3,000	1.5	5
PT-C/Q-100HS	2.2		3	10
PT-C/Q-120HS	4		4	15
PT-C/Q-140HS	5.5		5	20
PT-C/Q-165HS	7.5		8	30
PT-C/Q-180HS	11		12	50
PT-C/Q-185HS	15		18	80
PT-C/Q-200HS	22		25	120
PT-C/Q-210HS	37		35	180
PT-C/Q-230HS	45		40	220
PT-C/Q-245HS	55		50	250
PT-C/Q-260HS	75		75	300
PT-C/Q-280HS	90		90	400
PT-C/Q-290HS	132		110	500

- Actual liquid and powder capacity will vary depending on the material characters and stator rotor type.
- The machine is with one (1x) pair of stator rotor.
- PerMix offers special model according to customer requests.
- PerMix reserves the right to modify the design without notice.

PT-C POWDER LIQUID MIXER



The PerMix PT-C Series Powder Liquid Mixer is a family of equipment which are designed for mixing powder into liquid in an efficient way. By a selection of different rotating element, PT-C Powder Liquid Mixer is able to provide various functions of:

- High volume powder induction
- Dispersing of “difficult-to-wet” powder,
- Handling the fine dusty powders
- Homogenizing
- Emulsifying, etc.

PerMix offers four (4) types of Powder Liquid Mixer, covering the common product range in the market:

- PT-C/Q (Double Wall Design)
- PT-C/Y (Special Stator Rotor)
- PT-C/F (Two Pumps Design)
- PCH (Shear Pump)

With its many distinguished features and options, PerMix PT-C Powder Liquid Mixers are widely used in mixing of almost all kinds of powdery products by a variety of industries, e.g. food and beverage, dairy care, pharmaceutical, chemical.



PT-C POWDER LIQUID MIXER

SPECIFICATIONS

(1.2) PT-C/Q-LS (Double Wall Design), w/ Low Shear Stator/Rotor

Model	Watts, kW	RPM, @50Hz	Max. Liquid Capacity, Ton/hr	Powder Capacity, Kg/min
PT-C/Q-LS1	3	3,000	15	5~20
PT-C/Q-LS2	11	3,000	25	15~50
PT-C/Q-LS3	22	1,500	40	30~120

- Actual liquid and powder capacity will vary depending on the material characters.
- PerMix offers special model according to customer requests.
- PerMix reserves the right to modify the design without notice.

PT-C POWDER LIQUID MIXER



The PerMix PT-C Series Powder Liquid Mixer is a family of equipment which are designed for mixing powder into liquid in an efficient way. By a selection of different rotating element, PT-C Powder Liquid Mixer is able to provide various functions of:

- High volume powder induction
- Dispersing of "difficult-to-wet" powder,
- Handling the fine dusty powders
- Homogenizing
- Emulsifying, etc.

PerMix offers four (4) types of Powder Liquid Mixer, covering the common product range in the market:

- PT-C/Q (Double Wall Design)
- PT-C/Y (Special Stator Rotor)
- PT-C/F (Two Pumps Design)
- PCH (Shear Pump)

With its many distinguished features and options, PerMix PT-C Powder Liquid Mixers are widely used in mixing of almost all kinds of powdery products by a variety of industries, e.g. food and beverage, dairy care, pharmaceutical, chemical.



PT-C POWDER LIQUID MIXER

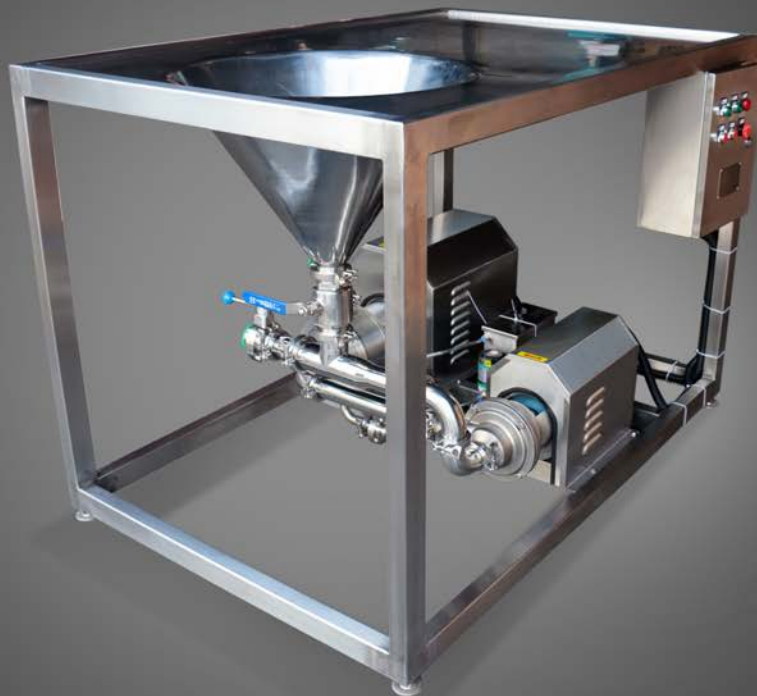
SPECIFICATIONS

(2) PT-C/Y (Special Stator Rotor)

Model	Watts, kW	RPM, @50Hz	Max. Liquid Capacity, Ton/hr	Powder Capacity, Kg/min (with hand-held wand)
PT-C/Y-120	7.5~11	3,000	10	1~3
PT-C/Y-140	15~30		20	2~5
PT-C/Y-165	37~45		40	3~12
PT-C/Y-180	55~75	1,500	60	5~25
PT-C/Y-220	110~160		100	8~50

- Actual liquid and powder capacity will vary depending on the material characters and stator rotor type.
- PerMix offers special model according to customer requests.
- PerMix reserves the right to modify the design without notice.

PT-C POWDER LIQUID MIXER



The PerMix PT-C Series Powder Liquid Mixer is a family of equipment which are designed for mixing powder into liquid in an efficient way. By a selection of different rotating element, PT-C Powder Liquid Mixer is able to provide various functions of:

- High volume powder induction
- Dispersing of "difficult-to-wet" powder,
- Handling the fine dusty powders
- Homogenizing
- Emulsifying, etc.

PerMix offers four (4) types of Powder Liquid Mixer, covering the common product range in the market:

- PT-C/Q (Double Wall Design)
- PT-C/Y (Special Stator Rotor)
- PT-C/F (Two Pumps Design)
- PCH (Shear Pump)

With its many distinguished features and options, PerMix PT-C Powder Liquid Mixers are widely used in mixing of almost all kinds of powdery products by a variety of industries, e.g. food and beverage, dairy care, pharmaceutical, chemical.



PT-C POWDER LIQUID MIXER

SPECIFICATIONS

(3) PT-C/F (Two Pumps Design)

Model	Mixer, kW	RPM, @50Hz	Self-priming Pump, kW	Pump RPM, @50Hz	Max. Liquid Capacity, Ton/hr	Max. Powder Capacity, Kg/min
PT-C/F-120	4	3,000	1.5	1,500	4	15
PT-C/F-140	5.5	3,000	1.5		6	30
PT-C/F-165	7.5	3,000	4		8	50
PT-C/F-180	11	3,000	4		12	90
PT-C/F-200	22	3,000	5.5		25	140
PT-C/F-210	30	3,000	7.5		30	190

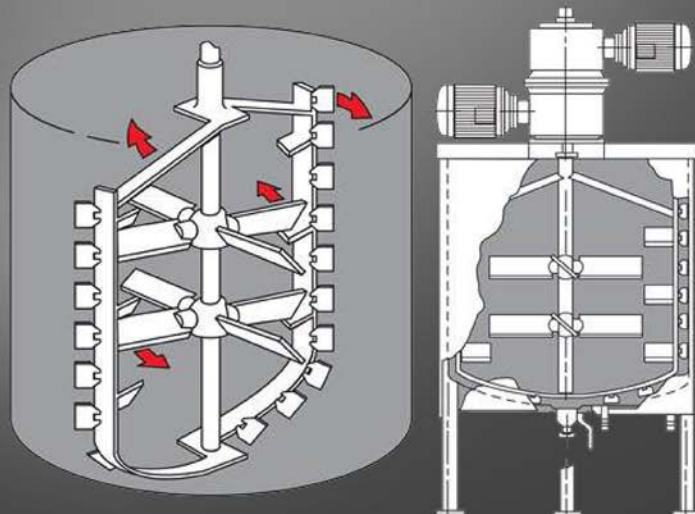
- Actual liquid and powder capacity will vary depending on the material characters and stator rotor type.
- PerMix offers special model according to customer requests.
- PerMix reserves the right to modify the design without notice.

PA LIQUID AGITATOR



PerMix is able to design and manufacture a comprehensive range of PA series Liquid Agitators to suit every process requirement.

PCR CONTRA ROTATING MIXER



PerMix PCR series Contra Rotating Mixers are typically used when thick emulsions are produced by a bottom entry high shear emulsifier or homogenizer.

PM MAGNETIC MIXER



The range of PerMix PM series Magnetic Mixer uses special magnetic driving and non-sealing technology, which is totally different from the common gear-drive agitators.

In a magnetic mixer, the magnetic couplings transmit the torque from the drive to the impeller by the magnet field. No direct touch of the impeller with the drive is necessary therefore no need for the conventional sealing, also they are working nearly without mechanical wear, which makes it possible that these magnetic mixers have much longer duty life with correct design and under proper working conditions.

The mixing head can be equipped with several different mixing elements such as propellers or Rushton turbines.

Biotechnology and fermentation are the most advanced fields of application in process technology. For quite a long time magnetic stirrers take over a leading role in high-tech agitation. There are also demands from other industries for magnetic mixers.



PM MAGNETIC MIXER

SPECIFICATIONS

Model	Max. Capacity, Liter	Motor Power, kW	Impeller Diameter	Speed, rpm
PM-90	50	0.18	90	375
PM-120	300	0.37	120	375
PM-155	500	0.55	155	375
PM-200	1,000	0.75	200	375
PM-220	3,000	1.5	220	375
PM-240	4,000	2.2	240	375
PM-260	6,000	4	260	320
PM-320	10,000	5.5	320	290

- Specific working volumes can be offered according to customer's requirement.
- Speed can be adjusted according to customer's request.
- All specifications are as accurate as is reasonably possible, but they are not binding.
- PerMix reserves the right to modify the design without notice.

PJ JET STREAM MIXER



PerMix PJ series Jet Stream Mixer is used where general stirring & homogenizing, dispersing, suspending, emulsifying, dissolving are all required.



PJ JET STREAM MIXER

SPECIFICATIONS

N type, Jet Agitator:

Model	Watts, kW	RPM, @50Hz	Max. Capacity, L		Shaft Length, mm
			@1 cPs	@3,000 cPs	
PJ-C/080-N	1.1-1.5	3,000	1,500	500	400-1,000
PJ-C1110-N	2.2-3		3,000	1,000	750-1,500
PJ-C1145-N	4-5.5		5,000	1,700	900-1,700
PJ-01215-N	7.5-11	1,500	10,000	3,300	1,200-2,300
RI-C/245-N	15-18.5		16,000	6,000	1,200-2,300
PJ-C1275-N	22-30		30,000	10,000	1,400-2,500
PJ-C/345-N	37-55		50,000	17,000	1,500-2,700

O type, Jet Disperser:

Model	Watts, kW	RPM, @50Hz	Max. Capacity, L		Shaft Length, mm
			@1 cPs	@3,000 cPs	
PJ-C1080-0	1.5-3	3,000	100	50	360
PJ-0100-0	2.2-4		300	150	600
PJ-C/120-0	4-7.5		800	400	700
PJ-C/140-0	7.5-15		2,000	1,000	800
PJ-C/160-0	11-18.5		3,000	1,500	820
PJ-C1180-0	18.5-30		4,000	2,000	1,100
PJ-C/200-0	22-37	1,500	5,000	2,500	1,150
PJ-G220-0	30-45		7,000	3,500	1,200
PJ-0240-0	37-55		12,000	6,000	1,300

- Actual liquid capacity will vary depending on the liquid type and viscosity ☹
- PerMix offers customized capacity according to customer requests.
- PerMix reserves the right to modify the design without notice.



SPECIALTY EQUIPMENT

Products

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PDA VACUUM DEAERATOR



Processing of liquid products often incorporates air and unwanted gases into the product. These gases normally cause problems such as oxidation, discoloration, inconsistency, bad smell and filling difficulties. The PerMix PDA series Vacuum Deaerator, or Degasser, is a totally compact sanitary device designed for the continuous automatic removal of air or other occluded gases from any type of liquid or paste, by means of vacuum.

PerMix PDA Vacuum Deaerators can handle numerous processes including (but not limited to) the manufacturing of food products, cosmetics and chemicals, which requires to avoid air oxidation to ensure a correct preservation or application. End products can be sauces, fruit pulp, cosmetic creams, syrups, PVC dispersions, lubricants, car polish, shower gels, paraffin and penicillin emulsions, ice creams, adhesives, etc.



PDA VACUUM DEAERATOR

SPECIFICATIONS

Model	Working Volume (Liter)	Flowrate (Liter/hr)			Total power (kW) (*)	L (mm)	W (mm)	H (mm)	H1, with open lid (mm)	Weight (kg)
		Light liquid (<300cPs)	Viscous product (<5,000cPs)	Highly viscous product (≥5,000cPs)						
		PDA-25	25	1,500						
PDA-65	65	4,000	2,500	800	4.45	1,855	715	1,780	2,200	690
PDA-125	125	8,000	5,000	1,600	7.8	2,165	850	2,170	2,500	920
PDA-300	300	15,000	9,000	3,000	14.1	2,455	1,080	2,590	3,000	1,300
PDA-550	550	20,000	12,500	4,000	24	2,845	1,225	2,865	3,300	1,550
PDA-1200	1,200	30,000	18,000	6,000	32.5	3,455	1,850	3,675	4,180	2,180

- (*) including all motors, e.g. distribution disc, vacuum pump, and discharge pump
- All specifications and illustrations are as accurate as is reasonably possible, but they are not binding.
- PerMix reserves the right to modify the design without notice.

POG OSCILLATING GRANULATOR



PerMix POG Oscillating Granulator is designed to process wet powder and block dry powder materials into fine and consistent granules. By working with meshes of different sizes, it can produce granules with various desired particle sizes.

The total design of PerMix POG Oscillating Granulator is simple and compact, without any bearing/sealing parts in the product contact areas, therefore ideal for the food and pharma industries.



POG OSCILLATING GRANULATOR

SPECIFICATIONS

Model	Capacity, kg/h	Motor Power, kW	Speed of Rotating Cylinder, rpm	Diameter of Rotating Cylinder, mm	Dimension, mm	Weight, kg
POG-60	20~30	0.55	46	60	450x450x550	70
POG-100	30~200	2.2	55	100	700x400x1050	180
POG-160	60~300	4	55	160	1000x800x1300	280
POG-250	150~400	7.5	55	250	1150x900x1350	400

- Capacity is product dependent.
- All specifications and illustrations are as accurate as is reasonably possible, but they are not binding.
- PerMix reserves the right to modify the design without notice.

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Besides, PerMix have been building a network of agents located in Europe (Germany, Denmark, UK, Belgium, France, Spain, Poland, etc), South America (Argentina, Chile, Guatemala, etc), Asia (South Korea, Indonesia, India), and several other countries.

