

## REFINA Industrial Mixing Equipment

REFINA air powered mixing equipment is used whenever electrical powered mixers are hazardous or impractical. They are ideal for mixing solvents, lacquers, and volatile chemicals

Air powered motors have several advantages. They are non sparking, explosion proof and useable in harsh, chemical or dangerous environments. They are compact in size and cool running, better suited for continuous operation and variable speed with stepless speed control

Select direct drive air motors for high speed, low torque applications or geared air motor for slow speed high torque mixers

Low viscosity liquids can be mixed at higher speeds. Medium and high viscosity materials as well as mixtures with solids and powders in suspension, should be mixed at lower speeds

These variable speed stirrers are well suited for light industrial applications including thicker viscous liquids

The mixers are for use in factories and on site mixing paints, fluids, chemicals, glazes, clay slips, gelcoats and resins. The range includes hand held and stand mounted air motors, industrial quality mixer paddles and stainless steel paddles, mixer stands, barrel clamps, tubs, drums and material handling trolleys

The air powered mixers are for use when electric mixers are unsuitable or when flammable materials are in close proximity

## Air Powered Mixers

- pneumatically powered range of mixers
- hand held air mixer drills
- stand mounted air motors
- mixer stands & barrel clamps
- fast, thorough, consistent mixing
- mix quantities from 1 ltr to 200 ltr
- large range of mixer paddles, shapes & sizes
- spiral, screw, gate & impellor designs
- zinc coated or stainless steel paddles
- plastic & alloy head paddles available
- paddles for liquids, powders & heavy materials
- cements, epoxies, paints, adhesives & chemicals

Slower speed mixers are recommended for stirring and faster speeds for more aggressive mixing and blending

Choose the paddle size by considering the diameter of the mixing vessel and the material to be mixed

For slow speed motors larger diameter paddles can be used covering between half and two thirds of the diameter of the mixing vessel. The faster motor speeds require that a smaller diameter mixing propellor is used, normally between a quarter and a third of the mixing vessel



# AIR POWERED MIXERS

## PNEUMATIC HAND HELD MIXER

- reversible air mixer
- hex shaft paddles for drills with chuck
- large range of shapes & sizes
- long life and durable mixer paddles
- for adhesives, mortars, paints & resins
- paddles made in Germany guaranteed quality

EPI mixer paddles with hex shaft are for use with drills fitted with a drill chuck. Use with slow to medium speed drills under 1000rpm

The larger the paddle, the slower speed at which the drill should be run. The advantage of using a drill with a chuck for mixing is that a variety of paddles can be quickly fitted. Many smaller paddles are only available with a hex shaft

Supplied either with powder coated or zinc finish



UT5880  
air mixer



plastic head  
paddles

Air Powered Mixer UT5880 300w

Speed 50-600rpm

Weight 1.7kg

Recommended ø paddle at 500rpm: 100mm

Maximum ø paddle: 120mm

Capacity 50-100 ltr

Output 400kg/hr

Vibration level 1.7m/s

Noise level 72dBA

Air consumption 180 ltr/sec



spiral paddle



helix paddle



impellor paddle

## AIR POWERED REVERSIBLE MIXER

### AIR POWERED INDUSTRIAL PAINT MIXER, hand held for mixing paints, resins & flammable materials

Stock no	Description	Power	Weight	Speed	Paddle shaft	Mix	£ ex VAT
720418Z	UT5880 air mixer	300w	1.7kg	50-600rpm	hex	10-30 ltr	189.00
141701	mini air flow regulator						12.00

## CHUCK FITTING PADDLES

### SPIRAL PADDLES, twin blade for mixing paints, textures & plasters

Stock no	Description	Width	Length	Mix	£ ex VAT
020604Z	spiral paddle 2½"	60mm	400mm	1-10 ltr	4.95
020804Z	spiral paddle 3"	80mm	500mm	5-15 ltr	5.95
021004Z	spiral paddle 4¼"	100mm	600mm	10-25 ltr	6.95
021204Z	spiral paddle 5¾"	120mm	600mm	10-25 ltr	8.95

### HELIX PADDLES, for dry & stiff mixes, mortars, renders & epoxies

Stock no	Description	Width	Length	Mix	£ ex VAT
040800Z	helix paddle 3"	80mm	500mm	5-15 ltr	9.95
041001Z	helix paddle 4"	100mm	600mm	10-25 ltr	21.95

### IMPELLOR PADDLES, for use with higher speed drills

Stock no	Description	Width	Length	Mix	£ ex VAT
080555Z	impellor paddle 2½"	55mm	600mm	1-10 ltr	7.95
080755Z	impellor paddle 3"	75mm	600mm	5-15 ltr	11.95
081005Z	impellor paddle 4"	100mm	600mm	10-25 ltr	18.95

## CHUCK FITTING PLASTIC HEAD PADDLES

### SPIRAL PADDLES, twin blade for mixing paints, textures & plasters

Stock no	Description	Width	Length	Mix	£ ex VAT
060600Z	mini impellor 2½"	60mm	300mm	1-10 ltr	2.95
050901Z	spiral paddle 3½"	90mm	400mm	5-15 ltr	9.95

# AIR POWERED MIXERS

## PNEUMATIC HAND HELD MIXER

- mixers for industrial & factory use
- non sparking motors for hazardous areas
- for mixing paints & coatings
- resins & adhesives
- range includes two motor sizes & speeds
- speed fully adjustable by air regulator

Air powered mixers are non sparking and provide efficient mixing in hazardous areas, working with flammable materials or in the proximity of explosive vapours. They are recommended for mixing solvent based paints and materials with a low flash point, below 21°C

Paddles are available for both open and closed topped containers and will mix and blend coatings, paints, chemicals, and pigments, remix sediments and settled out powders

The power mixer is recommended for use with a spiral paddle but can also be supplied with a variety of different M14 paddle designs and sizes

## APPLICATIONS

- powders & cements
- paints & coatings
- resins & epoxy
- adhesives & sealants

Air Powered Mixer UT5850 400w

Speed 50-500rpm

Weight 1.9kg

Recommended ø paddle at 500rpm: 100mm

Maximum ø paddle : 140mm

Capacity 10-50 ltr

Vibration level 1.7m/s

Noise level 72dBA

Air consumption 210 ltr/sec



## AIR POWERED MIXERS

### AIR POWERED INDUSTRIAL PAINT MIXER, hand held for mixing paints, resins & flammable materials

Stock no	Description	Power	Weight	Speed	Thread	Mix	£ ex VAT
720416	UT5850 air mixer	400w	1.9kg	50-500rpm	M14	10-50 ltr	189.00
141701	mini air flow regulator						12.00

### SPIRAL MIXER PADDLES, spiral paddles for paints & chemicals, zined

Stock no	Description	Width Ø	Length	Mix	Thread	£ ex VAT
450120	spiral mixer 4¾"	120mm	600mm	20-50 ltr	M14	26.00
450140	spiral mixer 5½"	140mm	600mm	30-100 ltr	M14	28.00

# AIR POWERED MIXERS

## PNEUMATIC HEAVY DUTY MIXER

- heavy duty power mixer
- use hand held or stand mounted
- non sparking motors for hazardous areas
- for mixing paints & coatings
- resins & adhesives
- polyesters, gelcoats & pigments
- speed fully adjustable by air regulator

Air powered mixers are non sparking and provide efficient mixing in hazardous areas, working with flammable materials or in the proximity of explosive vapours

These industrial mixers are specialist power tools designed for use in factories and industrial applications. The D handle mixer can be used hand held or mounted in pedestal stands for continuous stirring and agitation.

The power mixer is recommended for use with a spiral paddle but can also be supplied with a variety of different M14 paddle designs and sizes.

Paddles are available for both open and closed topped containers. The paddles will mix and blend coatings, paints, chemicals and pigments, remix sediments and settled out powders.

## APPLICATIONS

- powders & cements
- paints & coatings
- resins & epoxy
- adhesives & sealants
- pastes & putties

Air Powered Mixer 800w

Speed 100-800rpm

Weight 2.5kg

Recommended ø paddle at 500rpm: 120mm

Maximum ø paddle: 235mm

Capacity 50-200 ltr

Vibration level 1.7m/s

Noise level 72dBA

Air consumption 420 ltr/min



AM28  
air mixer &  
140mm paddle

## AIR POWERED MIXERS

### AIR POWERED INDUSTRIAL PAINT MIXER, hand held for mixing paints, resins & flammable materials

Stock no	Description	Power	Weight	Speed	Thread	£ ex VAT
720070	AM28 air mixer	800w	2.5kg	100-800rpm	M14	699.00
141702	air flow regulator & gauge					19.00

### SPIRAL MIXER PADDLES, spiral paddles for paints & chemicals, zined

Stock no	Description	Width Ø	Length	Mix	Thread	£ ex VAT
450120	spiral mixer 4¾"	120mm	600mm	20-50 ltr	M14	26.00
450140	spiral mixer 5½"	140mm	600mm	30-100 ltr	M14	28.00
450160	spiral mixer 6¾"	160mm	600mm	40-200 ltr	M14	32.00
450180	spiral mixer 7"	180mm	600mm	50-200 ltr	M14	36.00
450200	spiral mixer 8"	200mm	600mm	75-200 ltr	M14	40.00
450190	spiral mixer 9¼"	235mm	600mm	100-200 ltr	M14	50.00

# AIR POWERED MIXERS

## AIR MIXER MOTOR

- mixers for industrial & factory use
- non sparking motors for hazardous areas
- for mixing paints & coatings, resins & adhesives
- speed fully adjustable by air regulator
- for use stand or bracket mounted

Air powered mixers are non sparking and provide efficient mixing in hazardous areas, working with flammable materials or in the proximity of explosive vapours

The mixers should be mounted in pedestal stands for continuous stirring and agitation

## APPLICATIONS

- paints & coatings
- liquid polyesters, resins & epoxy
- adhesives & sealants

### PM20 Air Powered Mixer 600w

Speed 300-2000rpm

Weight 1.9kg

Recommended  $\phi$  paddle at 500rpm: 100mm

Maximum  $\phi$  paddle: 140mm

Vibration level 1.7m/s

Noise level 73dBA

Air consumption 475 ltr/min @ 6 bar

### PM40 Air Powered Mixer 1200w

Speed 300-2000rpm

Weight 3.2kg

Recommended  $\phi$  paddle at 500rpm: 120mm

Maximum  $\phi$  paddle: 160mm

Vibration level 1.8m/s

Noise level 75dBA

Air consumption 950 ltr/min @ 6 bar

### PM60 Air Powered Mixer 2800w

Speed 300-2000rpm

Weight 9.5kg

Recommended  $\phi$  paddle  $\phi$  at 500rpm: 140mm

Maximum  $\phi$  paddle  $\phi$ : 180mm

Vibration level 1.9m/s

Noise level 77dBA

Air consumption 1675 ltr/min @ 4 bar



## AIR POWERED MIXER

### AIR POWERED MIXER, for use stand mounted for paints, resins & flammable materials

Stock no	Description	Power	Weight	Speed	Thread	Mix	£ ex VAT
720450	PM20 direct drive air mixer	600w	2.8kg	300-2000rpm	M14	50-200 ltr	399.00

### AIR POWERED MIXER, for use stand mounted for paints, resins & flammable materials

Stock no	Description	Power	Weight	Speed	Thread	Mix	£ ex VAT
720452	PM40 direct drive air mixer	1200w	3.2kg	300-2000rpm	M14	50-200 ltr	499.00
720453	PGM40 geared motor air mixer	1200w	6.2kg	100-800rpm	M20	50-200 ltr	679.00

### AIR POWERED MIXER, for use stand mounted for paints, resins & flammable materials

Stock no	Description	Power	Weight	Speed	Thread	Mix	£ ex VAT
720454	PM60 direct drive air mixer	2800w	9.5kg	300-2000rpm	M14	50-200 ltr	699.00
720455	PGM60 geared motor air mixer	2800w	12.5kg	100-800rpm	M20	50-200 ltr	879.00

### AIR FLOW REGULATOR, for use with air motors

Stock no	Description	£ ex VAT
141703	air flow regulator & gauge	59.00

### PROPELLOR TYPE PADDLES, two blade for use with higher speed drills

Stock no	Description	Width $\phi$	Length	Mix	Thread	£ ex VAT
080754	twin blade propellor paddle 3"	75mm	500mm	5-20 ltr	M14	15.00
081004	twin blade propellor paddle 4"	100mm	600mm	10-25 ltr	M14	20.00
081204	twin blade propellor paddle 5"	125mm	600mm	20-50 ltr	M14	25.00
081504	twin blade propellor paddle 6"	150mm	600mm	40-100 ltr	M14	35.00

### TUB & DRUM MIXER PEDESTAL STANDS for tubs & drums from 25 – 200 ltr

Stock no	Description	Drum	Column height	Base	£ ex VAT
095610	MV1700B mixer stand	25 - 200 ltr	1600mm	500 x 700mm	499.00