

## 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 step less speed control

Select direct drive air motors for your 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 to be mixed or are in close proximity without the possibility of spark ignition

## 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

waterproofers



# AIR POWERED MIXERS

## PNEUMATIC HAND HELD MIXER

- hex shaft paddles for drills with chuck
- large range of shapes & sizes
- long life and durable mixer paddles
- for adhesives, mortars, paints & resins
- 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 50-500rpm

Weight 1.7kg

Recommended paddle Ø at 500rpm: 100mm

Maximum paddle Ø: 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



hoop 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	50-500rpm	hex	10-30 ltr	169.00
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

HOOP PADDLES, for bucket size mixes of paints, sealants, powders & resins

Stock no	Description	Width	Length	Mix	£ ex VAT
022420Z	hoop 3½"	90mm	400mm	5-15 ltr	7.95

IMPELLOR PADDLES, for use with higher speed drills

Stock no	Description	Width	Length	Mix	£ ex VAT
080555Z	impellor paddle 2¼"	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° centigrade

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 paddle Ø at 500rpm: 100mm

Maximum paddle Ø: 140mm

Capacity 10-50 ltr

Vibration level 1.7m/s

Noise level 72dBA

Air consumption 210 ltr/sec



UT580  
air mixer &  
120mm paddle

## 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, zincd

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 paddle Ø at 500rpm: 120mm

Maximum paddle Ø: 160mm

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 6¼"	160mm	600mm	40-200 ltr	M14	30.00

# AIR POWERED MIXERS

## PNEUMATIC DRUM MIXER

- compact air mixer
- use with smaller drums up to 30 ltr
- 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

The mixer should be used mounted on a drum lid and bracket or in a drum side stand for continuous stirring and agitation

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

- paints & coatings
- liquids & solutions
- fluid resins & epoxy

PM10 Air Powered Mixer 300w

Speed 100-2000rpm

Weight 2.5kg

Collar

Recommended paddle Ø at 500rpm: 75mm

Maximum paddle Ø: 100mm

Capacity 10-50 ltr

Output 600kg/hr

Vibration level 1.7m/s

Noise level 72dBA

Air consumption 2.9 ltr/sec



PM10  
air mixer &  
75mm paddle

## AIR POWERED MIXERS

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

Stock no	Description	Power	Weight	Speed	Paddle shaft	Mix	£ ex VAT
720420	PM10 air mixer	300w	2.5kg	15-1500rpm	M14	10-50 ltr	299.00
141702	air flow regulator & gauge						19.00

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

Stock no	Description	Width Ø	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	19.00

# AIR POWERED MIXERS

## PNEUMATIC DRUM & TUB MIXER

- medium dusty air mixer
- non sparking motors for hazardous areas
- for mixing paints & coatings
- fluids & solutions
- speed fully adjustable by air regulator

This is a medium duty air mixer that will mix a range of fluids and chemicals

They are recommended for mixing solvent based paints and materials with a low flash point – below 21° centigrade

The D handle mixer should be used mounted in pedestal stands or on a tub top bracket for continuous stirring and agitation

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

- paints & coatings
- liquids & solutions
- fluid resins & epoxy

PM15 Air Powered Mixer 400w

Speed 100-2000rpm

Weight 2.5kg

Collar

Recommended paddle Ø at 500rpm: 100mm

Maximum paddle Ø: 120mm

Capacity 20-200 ltr

Output 600kg/hr

Vibration level 1.7m/s

Noise level 72dBA

Air consumption 2.9 ltr/sec

AMM28  
air mixer &  
top bracket



PM15  
air mixer &  
100mm paddle



## AIR POWERED MIXERS

AIR POWERED INDUSTRIAL PAINT MIXER, hand held for mixing paints & flammable liquids

Stock no	Description	Power	Weight	Speed	Thread	Mix	£ ex VAT
720420	PM15 air mixer	400w	2.5kg	100-2000rpm	M14	20-200 ltr	399.00
141702	air flow regulator & gauge						19.00

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

Stock no	Description	Width Ø	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	19.00
081204	twin blade propellor paddle 5"	125mm	600mm	20-50 ltr	M14	23.00

# AIR POWERED MIXERS

## MIXER MOTOR MIXER MOTOR

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

They are recommended for mixing solvent based paints and materials with a low flash point – below 21° centigrade

This industrial mixer motor is designed for use in factories and production

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

Choose the paddle size by considering the diameter of the mixing vessel, the material to be mixed, whether stirring or more intense mixing is required and the speed at which the mixer will be run; the faster motor speeds require that a smaller diameter mixing propellor is used

Peripheral tip speed for prop paddles: 4-12m/sec

## APPLICATIONS

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

PM20 Air Powered Mixer 500w

Speed 100-2000rpm

Weight 2.8kg

Bracket quick release plate

Recommended paddle Ø at 500rpm: 100mm

Maximum paddle Ø: 140mm

Capacity 50-200 ltr

Vibration level 1.7m/s

Noise level 73dBA

Air consumption 840 ltr/min



PM20  
air mixer &  
100mm paddle



MV1700B  
mixer stand

## AIR POWERED MIXER

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

Stock no	Description	Power	Weight	Speed	Thread	Mix	£ ex VAT
720450	PM20 air mixer	500w	2.8kg	100-2000rpm	M20	50-200 ltr	499.00
141703	air flow regulator & gauge						59.00

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

Stock no	Description	Width Ø	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	19.00
081204	twin blade propellor paddle 5"	125mm	600mm	20-50 ltr	M14	23.00
081504	twin blade propellor paddle 6"	150mm	600mm	40-100 ltr	M14	30.00

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

# AIR POWERED SLOW SPEED GEARED MIXER MOTORS

## AIR POWERED MIXER MOTOR

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

They are recommended for mixing solvent based paints and materials with a low flash point – below 21° centigrade

These industrial mixer motors are designed for use in factories and production

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

Order paddle and shaft separately

Choose the paddle size by considering the diameter of the mixing vessel, the material to be mixed, whether stirring or more intense mixing is required and the speed at which the mixer will be run; the faster motor speeds require that a smaller diameter mixing propellor is used

Peripheral tip speed for prop paddles: 4-12m/sec

## APPLICATIONS

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

AMN45 Air Powered Mixer 375w

Speed 40-450rpm

Weight 2.8kg

Bracket quick release plate

Recommended paddle Ø at 300rpm: 150mm

Capacity 50-200 ltr

Vibration level 1.7m/s

Noise level 73dBA

Air consumption 840 ltr/min



AMN45  
air mixer &  
100mm paddle



MV1700B  
mixer stand

## AIR POWERED MIXERS

**INDUSTRIAL SLOW SPEED PNEUMATIC MIXERS, geared high torque motors, for use stand mounted mixing paints, resins & flammable materials**

Stock no	Description	Power	Weight	Speed	Thread	Mix	£ ex VAT
720525	MM25 air mixer	260w	1.2kg	30-250rpm	M14	20-100 ltr	649.00
141703	air flow regulator & gauge						59.00

**INDUSTRIAL SLOW SPEED PNEUMATIC MIXERS, geared high torque motors, for use stand mounted mixing paints, resins & flammable materials**

Stock no	Description	Power	Weight	Speed	Paddle	Mix	£ ex VAT
720645	MN45 air mixer	375w	1.9kg	40-450rpm	M14	20-200 ltr	699.00
720685	MN85 air mixer	375w	1.9kg	80-850rpm	M14	20-200 ltr	699.00
141703	air flow regulator & gauge						59.00

**INDUSTRIAL SLOW SPEED PNEUMATIC MIXERS, geared high torque motors, for use stand mounted mixing paints, resins & flammable materials**

Stock no	Description	Power	Weight	Speed	Paddle	Mix	£ ex VAT
720725	M025 air mixer	800w	4.8kg	30-250rpm	M20	20-200 ltr	1599.00
720740	M040 air mixer	800w	4.8kg	40-400rpm	M20	20-200 ltr	1599.00
720785	M085 air mixer	800w	4.1kg	80-850rpm	M20	20-200 ltr	1199.00
141703	air flow regulator & gauge						59.00

**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

# AIR POWERED MIXERS

## AIR POWERED BARREL MIXER

- mixers for industrial & factory use
- non sparking motors for hazardous areas
- for mixing paints & coatings
- resins & adhesives
- 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. Non-electrical operation reduces the possibility of explosion from igniting flammable gases. They are recommended for mixing solvent based paints and materials with a low flash point – below 21° centigrade

Self-sealing vanes take up their own wear, ensuring consistent output for thousands of hours of use

Variable speed capabilities allow flexibility and versatility in any number of applications

The mixer is supplied with centre drive shaft and swing vane paddles

The swing vane stainless steel paddles are designed to fit through the drum top 2" threaded bung hole

The unit motor housing is threaded to fit onto the centre of a 200 ltr (45 gallon) drum

The paddles will mix and blend coatings, paints, chemicals, and pigments, remix sediments and settled out powders

### APPLICATIONS

- paints & coatings
- chemicals & fluids
- resins & epoxy

PM30 Barrel Mixer 1200w

Speed 750-3000rpm

Weight 6.3kg

Collar threaded

Paddle Ø: 100mm folding

Capacity 50-200 ltr

Vibration level 1.7m/s

Noise level 72dBA

Air consumption 1120 ltr/min



## AIR POWERED MIXERS

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

Stock no	Description	Power	Weight	Speed	Thread	£ ex VAT
440100	PM30 air mixer	1200w	6.3kg	750-3000rpm	M20	1295.00
141703	air flow regulator & gauge					59.00

SWING VANE MIXER PADDLE & SHAFT, propellor type, stainless steel

Stock no	Description	Width Ø	Mix	Shaft Ø	Length	Thread	£ ex VAT
440110	folding paddle 4" & shaft	100mm	100-200 ltr	20mm	800mm	M25	175.00

# AIR POWERED CAN MIXERS

## AIR POWERED CAN MIXER

- mixers for industrial & factory use
- non sparking motors for hazardous areas
- for mixing paints & coatings
- speed fully adjustable by air regulator

The air powered can mixer is for agitating paint cans without opening up

It provides efficient mixing in hazardous areas or working with flammable materials and paints

They are recommended for mixing solvent based paints and materials with a low flash point – below 21° centigrade

## APPLICATIONS

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

Air Powered Can Mixer 250w

Speed 400-700rpm

Weight 8.2kg

Paddle 100mm folding

Capacity 1-5 ltr

Noise level 72dBA

Air consumption 280 ltr/min



720500



## PAINT CAN MIXER

AIR POWERED PAINT CAN MIXER, oscillating mix action, for work top use, for paints

Stock no	Description	Power	Weight	Oscillation	Can size	£ ex VAT
720500	paint can mixer	250w	8.2kg	400-700rpm	1-5 ltr	129.00
141702	air flow regulator & gauge					19.00