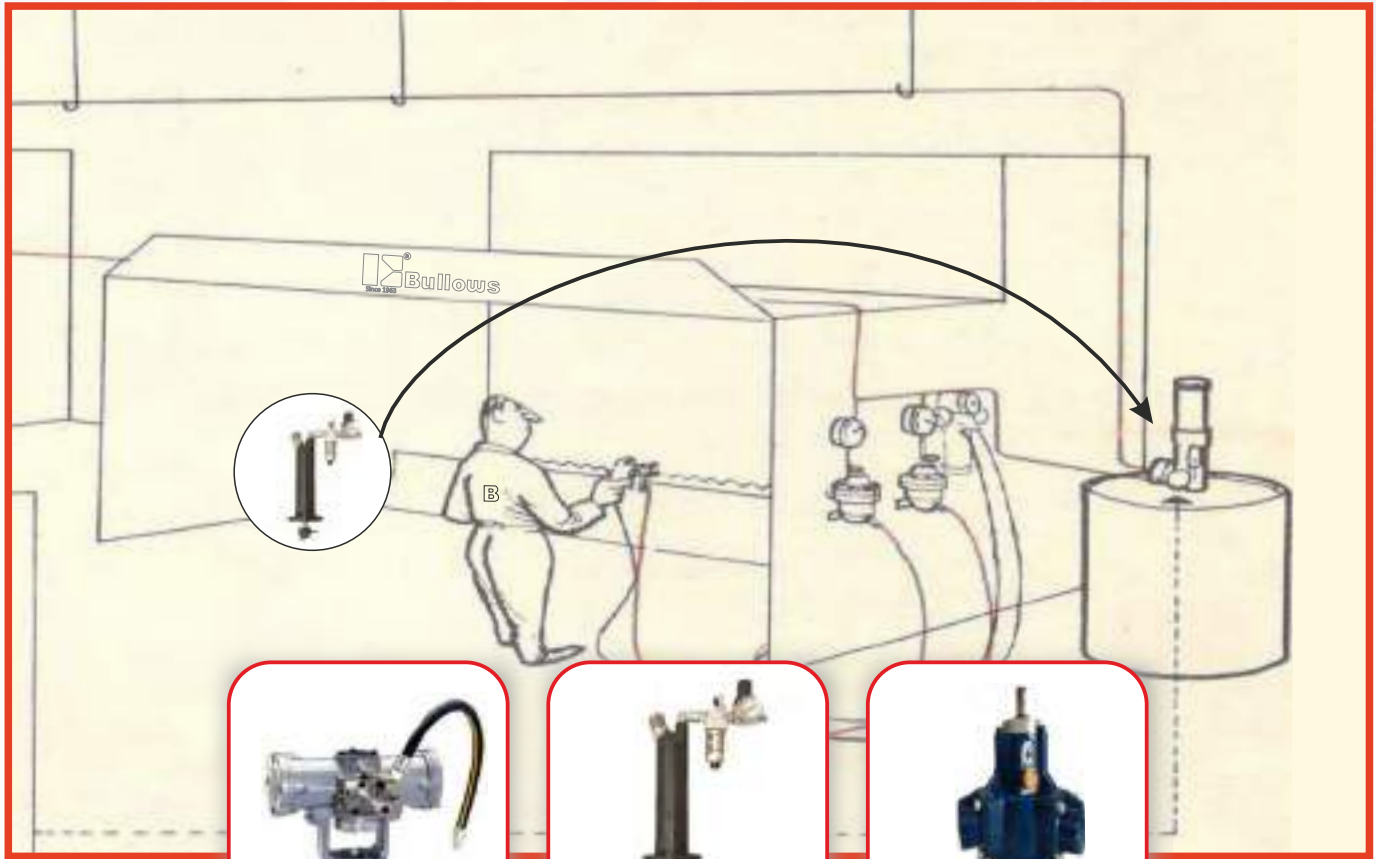


## AIR MOTOR



**L - 20**

**Rotary Geared**

**Prona M20**

The Bullows L-20 Air Motor has been introduced & designed to provide efficiently and economically the continuous agitation. L-20 Air Motor imparts a 180° oscillatory movement to the three Blade Scroll Paddle which provides a degree of agitation hitherto un-obtainable. A remarkable feature is that agitation is greatest at the center of the bottom, a point which in orthodox designs is completely stagnant. Many agitator users have found that the use of this Air Motor and Paddle Gear has made it possible to achieve exact colour matching of pastel shades, where this had previously been impossible.

On connecting to any air line, L-20 Air Motor will exert a torque of 400 in./lb. at 80 lb./sq. in. which is sufficient to break out paddles to mix paint or material of heavy fillers which have stood for several days in a container.

- Pneumatically operated
- Long life and durability
- Provides continuous agitation
- Easy mounting
- Unique 180° oscillation movement for homogeneous agitation of paint / liquid.

### Application Area

- |                       |                       |                     |
|-----------------------|-----------------------|---------------------|
| • Automobile Industry | • General Engineering | • Heavy Engineering |
| • Defence             | • Leather Industry    | • Ceramic Industry  |
| • Drums & Barrel      | • Metal               | • Wood / Plastic    |

## Technical Specification

Technical Specification	L-20	Rotary Geared	Prona M20
Type	Oscillating (180°0 clockwise-180°0 Anticlockwise)	Rotary (360° Clockwise)	Rotary (360° Clockwise)
Torque	4-6 nm	32.5 nm	13.6 nm
RPM	10-12 rpm	650 rpm	3000 rpm

### Benefits of Air (Pneumatic) Motor :

- Compact and lightweight:**  
 An air motor weighs only 1/4 as much as an electric motor with the same output and occupies only 1/6 of the space. Air motors develop far more power in relation to their size and weight than most other motor types.
- Torque increases with load:**  
 The output of an air motor is relatively constant within a wide speed range – when an increase in load lowers the speed the torque increases
- Steplessly adjustable power output:**  
 The torque and output of an air motor can be adjusted steplessly by varying the working pressure. Moreover, speed can be adjusted steplessly throughout its entire range by varying the air flow.
- Undamaged by overloads:**  
 Air motors can be stalled indefinitely without overheating or sustaining any other type of damage. They can also be started and stopped repeatedly without limit.
- Ideal in hazardous and hostile environments:**  
 Since air motors do not generate sparks they are ideal in areas where there are explosion and/or fire hazards. Moreover, their rugged design and construction make them ideal in salt laden and other corrosive atmospheres.
- Easily reversed:**  
 Air motors work efficiently in either direction. They are easily reversed using a directional Valve
- Simple to install:**  
 Air motors can work in any position. The motors and the required air lines are easy to install.
- Rugged:**  
 Air motors are virtually unaffected by heat, vibration, corrosion or knocks and blows. Their performance in hostile environments cannot be matched by other types of motors