Eze Turn PVA
PORTABLE VALVE ACTUATOR
“The Pneumatic Solution to Manual Valves”

Turn Your Valves Quickly and Safely with Eze Turn

• Improves Safety
• Increases Efficiency
• Reduces Manpower
• Reduces Exposure Time

Proudly made in America
The Portable Valve Actuator is a revolutionary tool designed for assisting industrial operators to perform their duties in a safe and efficient manner.

**Worker Injuries**

The manual operation of valves is a common cause of worker injury, especially where there are old valves that require excessive amounts of force to operate. Many valves can have 300 to 400 turns from open to close. Extreme force coupled with repetitive motion can cause:

- Strained Backs
- Pinched Nerves
- Ruptured Disks
- Broken Bones
- Sore Muscles
- Dislocated Joints
- Heat Stroke
- Fatigue

**Operation**

The EZE Turn PVA can be used on any multi-turn valve independent of type or size. Specifically, large valves that require a tremendous amount of force to operate manually can now be operated rapidly, reliably and safely. The speed of operation of any valve can be selected without constraint of space or the limitations associated with the number of workers that can stand around to operate a hand wheel.

The Portable Valve Actuator is ready for use after installing an EZE Turn drive plate onto your existing valve’s hand wheel. This plate is specifically designed to work with the PVA. It installs easily to the spokes of the hand wheel with two or three U-Bolts. Now simply supply the actuator with clean lubricated air and you’re ready to turn your valve.

**Drive Plate Bolt Locations**

- **Even-Spoke**
- **3-Spoke**
- **5-Spoke**

**Safety**

The actuator’s trigger (located midway on the actuator) and the speed control (located on the air inlet) are both spring return fail closed. Releasing either trigger or speed control during operation will stop the actuator. The speed control allows the operator to move the valve at their own comfort level. The forward and reverse switch is located directly opposite from the trigger. Forward turns the actuator in the clockwise direction, and reverse turns the actuator in the counter-clockwise direction. The EZE Turn PVA is pneumatic, so there is no concern of electrical shock or operating in explosive atmospheres.
Eze Turn’s ergonomic designed tool Improves Operators Efficiency and Safety. Weighing Only 27 lbs. The EZE Turn develops 340 ft. lbs. of torque with 100 psi air supply. Operation is safe and EZE with 45” of leverage and two hand air control. Aluminum, Stainless and Carbon Steel.

**Portable Valve Actuator**

Part # 101

EZE Turn Portable FRL
(Filter, Regulator, Lubricator)

Filter, Regulator, Lubricator Mounted in a Bushed Stainless Steel Box with Removable Lid, Vibration Limiting Rubber Mounts, 20” Tail Hose and Quick Connects Max Inlet Pressure 150 psi
Part # FRL-101-20

Same as above W/Metal Bowls Max Inlet Pressure 200 psi
Part # FRL-101-20MB

**Standard Drive Plate**

Stainless Steel with Installation U-Bolts
Part# 10106-2

**Eze Turn**

Extension Drives

Stainless Steel Extension Drives for Rising Stem Gate Valves with Stems Larger Than 2” or to Increase Valve Accessibility.
Part # 10106-____ inches of extension

**Custom Cut Extensions for Concave Hand Wheels**

Extended Drive Plate Cut to Customers Specifications Based on Depth and Outside Diameter of Hand Wheel.

* See Drive Plate Selection Guide for Assistance in Ordering.
Part # 10106-____-____ Angle of Cut*
* Based on measurements

**Retention Adapter**

Locks The PVA to The Drive Plate. Can Be Used with Standard and Extension Drive Plates. Made From Anodized Aluminum and Stainless Steel.
Part # 10401

**Adapters**

Adapter From EZE Turn PVA to 3/4” Male Socket Drive, Stainless Steel, Complete with Back Up Plate and Bolt.
Part # 251634S

Adapter From EZE Turn PVA to 1” Male Socket Drive, Stainless Steel, Complete with Back Up Plate and Bolt.
Part # 25161S

Adapter From EZE Turn PVA to 2” Square Drive, Stainless Steel, Complete Back Up Plate and Bolt.
Part # 25162SQ
Support Equipment

**Eze Turn Hand Guards**
Part # 10105

**Eze Turn Torque Multiplier**
PVA Torque Multiplier, Increases Your EZE Turn’s Torque X 4. Complete with Adapter Set.  
Part # 1206

**Eze Turn Tool Dolly/Stand**
Part # 4915

- Specifications:
  - Anodized Aluminum
  - Urethane Wheels
  - HDPE Mounts
  - Stainless Steel Latching System

- Also Provides Retention Adapter Storage

**Eze Turn Tool Box**
Clam Shell Storage Box  
Designed for Truck or On Station Mounting, 16 ga Bushed 304SS with Locking Handle  
Part # 1217

**Eze Turn On Site Storage Cabinet**

- On-Site Storage Cabinet  
14 ga Bushed 304SS,  
Complete with EZE Turn Storage System and 3/8” SS Mounting Bolts.  
48”T X 20”W X 8”D  
Part# S12213

- Optional Stand  
14 ga 304SS Square Tubing  
Part# S12214

Provides On-Site Weather Resistant Storage For:  
- Portable Valve Actuator  
- Portable FRL  
- 20’ Tail Hose

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Support Equipment

Eze Turn Torque Cart w/ Removable Base

The EZE Turn Torque Cart is designed to carry the EZE Turn PVA and support equipment. It also provides a platform allowing the operator to eliminate the torque produced by the tools operation. The detachable base is equipped with a telescoping arm to adjust operator distance to the PVA and a telescoping pole to adjust to center of valve stem. Once setup the valve can be operated forward and reverse without having to reset the tool. The telescoping pole can be used on valves with a floor to center measurement of 3’-2” to 5’-2”. Cart is made of powder coated steel, stainless steel, anodized aluminum base plate with 10” X 4” Pneumatic wheels. Includes stainless steel telescoping pole with EZE Turn latch. Cart Dimensions: 51” T X 21” W X 20” D
Part # 813

Eze Turn Tool Cart

The EZE Turn Tool Cart is specially designed to carry the EZE Turn PVA along with basic equipment and retention adapter. Valve operations can be conducted from the cart platform or equipment can be easily removed for remote locations. The tool carts compact design allows operators to maneuver into the most confined areas to the plant. The Tool Cart is made of powder coated steel, electro polished stainless steel, aluminum tool box with pneumatic tires. Dimensions: 51” T X 21” W X 20” D
Part # TC-306

Eze Turn Tool Chest

Diamond Plate Aluminum Box Mounted on Four Wheel Utility Wagon
Part # TC-804

Diamond Plate Aluminum Box Mounted on Aluminum Skids.
Part # TC-804S

Eze Turn Torque Stick Telescoping Pole

Secure Quick Latch
Adjust From 3’-2” to 5’-2” in 3” Increments
Quick Elevation Changes
Custom Lengths and Elevations Available
Removable Mount

Stainless Steel Complete with Polypropylene Mount
Part # 4113

Aluminum Base Plate Provides a Swivel Base for Telescoping Pole With Extendable Arm. 17.8” X 12” X 3/4”
Part # 4114

Eze Turn Torque Eliminator Base Plate

Eze Turn Torque Eliminator Grating Lock

Grating Lock, Provides a Swivel Base for Telescoping Pole, Stainless Steel.
Part #4115

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Protect Your Operator From Stem Seal Blow-Out

Safe Operations From 50’ Away
Forward & Reverse

PVA Control Spring Return Fail Closed

No Modifications To The Standard Eze Turn PVA

Use Our Weight System or Grating Lock

Eze Turn Revolution Counter

System Includes:
- Meter Housed in Epoxy Coated Aluminum
- Magnetic Epoxy Coated Aluminum Base
- Sensor Housed in Epoxy Coated Aluminum
- PVC Target Disc
- Carrying Case Part # 217

Features:
- 9VDC Battery Powered
- Forward & Reverse Operations
- No Modifications to Existing PVA
- Magnetic Mounting of Meter & Target

Eze Turn Additional U-Bolts Sets

Standard Drive Plate Installation Kit
Contains 3 - Galvanized Long U-Bolts Part # 06-55

Concaved Drive Plate Installation Kit.
Contains 3 - Galv. Short U-Bolts Part # 06-25

Stainless Steel Standard Drive Plate Installation Kit.
Contains 3 - SS Long U-Bolts Part # 06-55-SS

Cart for Moving Weights and Control Station
Ask your sales rep. or call for complete details

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System at a glance:
- 70 and 150 cfm systems available
- Up to 175 psi
- Fits most popular work trucks
- Smallest and highest output in its class
- Air-on-demand technology
- 100% duty cycle
- Mounts UNDERHOOD
- 2-year limited warranty

VMAC - Vehicle Mounted Air Compressor
Fits Most 3/4 ton and Above Trucks Highly Reliable, High Output Screw Compressor.

Compact. Powerful.
The way mobile compressors are meant to be.

Features:
- Air on demand (the engine, too!)
- True 60 CFM
- Kubota diesel engine

The RAPTAIR 60 utilizes VMAC’s advanced compressor control system that is smart enough to turn the engine off when you’re not using air, and automatically turn the engine back on when you use air again.

Vanair Viper is Heavy Duty Compact Air Compressor. The Viper has a Sullair Screw Compressor Powered by a 26.5 hp, Electronic Fuel Injected 4-Cycle, V-Twin Kohler Gasoline Engine. Can Be Ordered with 60, 70 or 80 CFM up to 150 psi. Dimensions are 45.16” L X 23.5” W X 29.75” H. Dry weight is 480 lbs.
## Drive Plate Selection Guide

<table>
<thead>
<tr>
<th>Type of Valve Hand Wheel</th>
<th>Dimensions Needed</th>
<th>Typical Installation</th>
<th>Recommended Product</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Flat</strong></td>
<td>No Dimensions Needed</td>
<td><img src="#" alt="Image" /></td>
<td>Standard Drive Plate</td>
</tr>
<tr>
<td><strong>Concave</strong></td>
<td>Diameter of Wheel, Distance Between Base and Top of Hand Wheel</td>
<td><img src="#" alt="Image" /></td>
<td>Custom Cut Extension Drive Plate</td>
</tr>
<tr>
<td><strong>Rising Stem</strong></td>
<td>Diameter of Stem, Maximum Height of Stem (Typically The Same Length As Valve Diameter)</td>
<td><img src="#" alt="Image" /></td>
<td>Standard Drive Plate</td>
</tr>
<tr>
<td></td>
<td><strong>If Stem Diameter Is Smaller Than 2”</strong></td>
<td><img src="#" alt="Image" /></td>
<td>Extension Drive Plate</td>
</tr>
<tr>
<td></td>
<td><strong>If Stem Diameter Is Larger Than 2”</strong></td>
<td><img src="#" alt="Image" /></td>
<td>Extension Drive Plate</td>
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<td><img src="#" alt="Image" /></td>
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<tr>
<td><strong>Suspended</strong></td>
<td>Height From Wheel to Ground Minus 4 - 5 Feet For Comfortable Operations Height</td>
<td><img src="#" alt="Image" /></td>
<td>Extension Drive Plate</td>
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**Eze Turn** Products

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