



Model 5045T
 $\frac{3}{4}$ " – 2" Steel Pipe Squeezer
Sch. 40 & Sch. 80

Operations Manual

Model 5045T

3/4" – 2" Pipe Squeezer

1.0 Introduction

This manual is issued as a basic service & maintenance manual covering the Regent Model 5045T, Pipe Squeezer manufactured by Regent Tools, Inc. Houston, TX. USA.

2.0 Specifications

Working Load	38 Tons
Max Working Pressure	10000 PSI
Net Weight	45 Lbs.
Dimensions	7 1/2" x 20 1/2"

3.0 Features

The Regent model 5045T Flow Stop Pipe Squeezer is used for Gas, Oil & Water lines emergency repairs and maintenance.

The Model 5045T will give flow control on steel pipe sizes from 3/4" through 2" schedule 40 & 80 steel pipe and up through 2 1/2" Copper pipe. Grounding Strap may be attached to the tool as required by company policy.

4.0 Operating Procedures

The following procedure has been established to properly close steel pipe of various sizes. For satisfactory results care should be taken and noted on each section of steel pipe squeezed so that a history of reaction to the squeeze points is documented.

Inspect the entire Tool & Pump for bent, missing, abused or damaged parts. Do not use if parts are damaged. Verify the operation of the system prior to use. Refer to the Maintenance & Service Manual or contact Regent Tools, Inc. for replacement parts or service.

Select Pinch off location away from gaseous area.

Remove wrappings, coatings and clean pipe, if necessary.

Examine pinch area for location of seam, girth welds, excessive pitting, and possible weak spots. Avoid these areas.

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Connect the hose of the pump to the squeezer. The quick disconnects on the hose assembly should be wiped clean prior to attaching to the pump & tool, failure to do so can cause contamination of the hydraulic fluid. Check that complete connection of the quick disconnects is firmly seated prior to tightening of the connection lock collar. Open the return (non pressure) valve on the pump. Make sure the Tool Cylinder is in its upmost retracted top position or allow to fully re-tract. Verify that the pump has sufficient oil and add SAE 30 Hydraulic Oil, if required.

Locate the squeezer on the pipe by removing the removable Jaw Pin and place under the pipe. Reinsert the removable Pin, being certain that the jaw pin is completely inserted. (Do Not locate the squeezer on the line so that the seam of the pipe would be in the fold area) Center pipe to be squeezed between the two jaws, release and reposition to center if necessary, failure to do so can damage the tool and not provide a proper squeeze off.

Squeeze Pipe by applying pump pressure. The gauge pressure will rapidly rise when metal to metal contact of the pipe is achieved. Do Not exceed 10,000 psi of pressure.

On completion of squeeze, hand tighten the cylinder ram knurled lock ring, to lock cylinder ram.

Support entire weight of squeezer by blocking, to prevent damage to pipe or tool.

Make necessary repairs

Upon completion of work to release the tool it may require additional pressure be applied by the pump to release the knurled lock ring. Back knurled lock ring to the up most position and open the pump valve to allow the springs to retract the tool to the top position.

Remove the removable jaw pin and open the lower jaw to remove the squeezer from the line.

Caution should always be taken when squeezing off steel pipe to inspect the pipe for quality conditions and weld seams. Complete shut off cannot be guaranteed since conditions such as pipe age, wall corrosion and metal content vary dramatically from location to location.

Caution Steel pipe can split or shear without warning, care must be taken when doing squeeze off on how the pipe is reacting and do not exceed the amount of pressure required to effect closure, as this may be below maximum pressure.

Always follow your companies safety and squeeze-off procedures at all times.