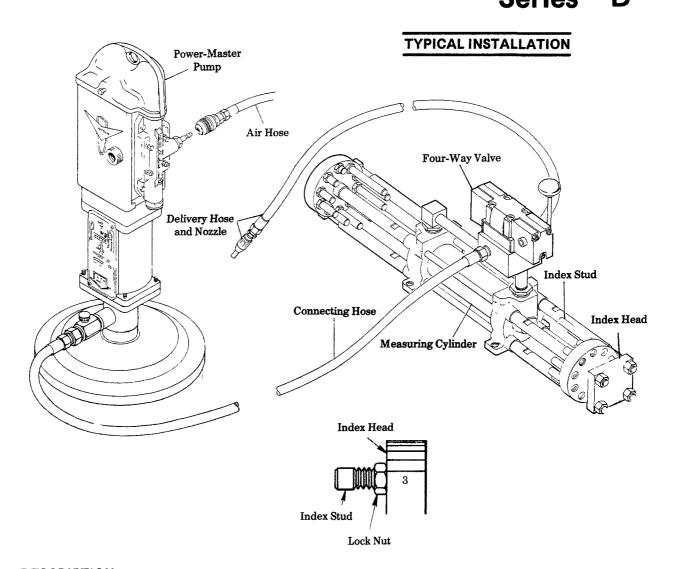


Model 83232 - Series "D"



DESCRIPTION

Model 83232 Multi-Measure consists of a four-way valve and a measuring cylinder having an adjustable stroke. The cylinder stroke, and thus its output, is controlled by studs in dual index heads.

Ten preset outputs from 0 cu. in. to 34.7 cu. in. may be selected by manually rotating the index heads. For fast selection, index head positions are numbered from 1 through 10.

OPERATION

The multi-measure may be mounted either horizontally or vertically in a location convenient for the operator.

A connecting hose conveys material from the pump to the

multi-measure inlet (3/4" NPT, female). A delivery hose with a non-drip nozzle is connected to the multi-measure outlet (3/4" NPT, female) and is used to dispense the measured quantity of material.

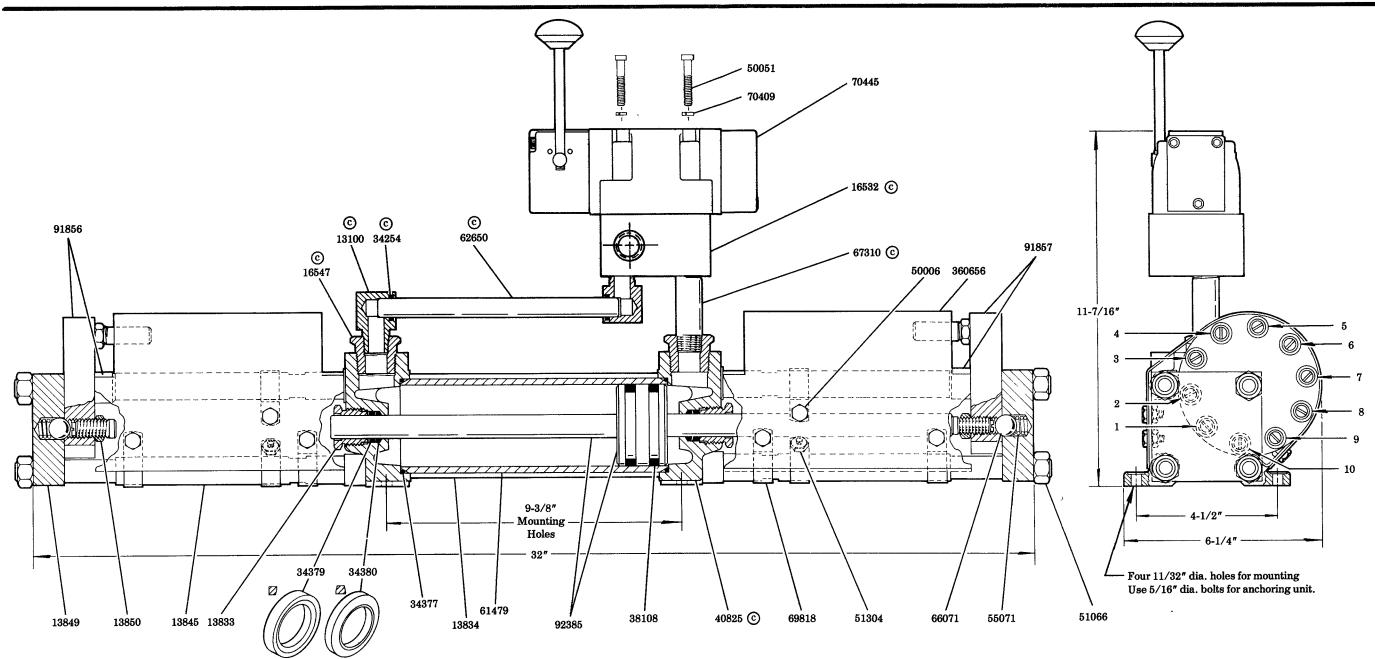
Ten index studs of different lengths are mounted in each index head. To set the multi-measure for a specific output, consult the output chart on the inside page and set both index heads accordingly.

For example: If 10 cu. in. are desired, both index heads should be set at position 7 which would be the output range of 8.6 to 12.6 cu. in. The exact quantity desired is then obtained by adjusting the distance the index studs protrude from the index head.

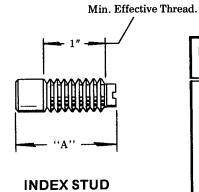
LINCOLN ST. LOUIS 4010 GOODFELLOW BLVD · ST LOUIS, MO. 63120 · (314) 383-5900



SECTION -F40
PAGE -16C



© Indicates change

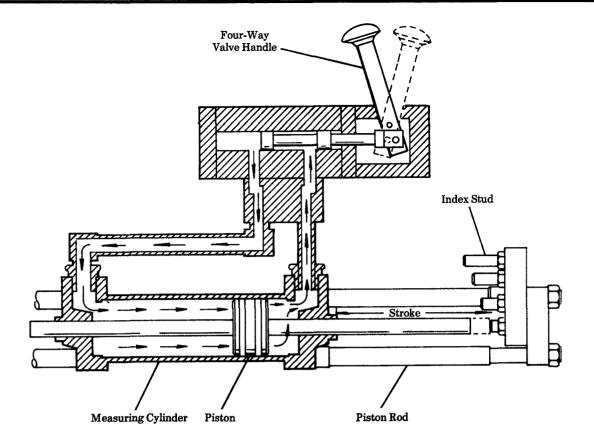


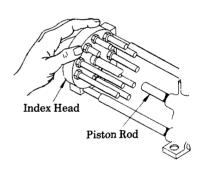
OUTPUT CHART

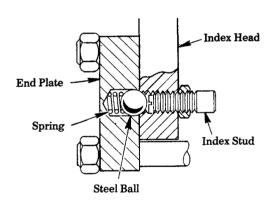
INDEX	INDEX	QUAN.	STUD LENGTH	OUTPUT RANGE		
CODE	STUD		"A"	IN CUBIC INCHES		
1 2 3 4 5 6 7 8 9	13835 13836 13837 13838 13839 13840 13841 13842 13843	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1-5/16" 1-45/64" 2-3/32" 2-31/64" 2-7/8" 3-5/32" 3-35/64" 3-15/16" 4-21/64" 4-23/32"	31.2 - 34.7 27.2 - 31.2 23.2 - 27.2 19.2 - 23.2 15.5 - 19.2 12.6 - 16.6 8.6 - 12.6 4.9 - 8.6 1 - 4.9 0 - 1		

SERVICE PARTS

OER TOE TARRO											
PART	QUAN.	DESCRIPTION	PART	QUAN.	DESCRIPTION	PART	QUAN.	DESCRIPTION			
13100 13833 13834 13845 13849 13850 16532 16547 34254 34377	2 2 4 8 2 20 1 2 2 2	Elbow Packing retainer Tie rod Tie rod End plate Jam nut Baseplate Adapter O-ring O-ring	34379 34380 38108 40825 50006 50051 51066 51304 55071 61479	2 2 2 2 8 4 8 8 8 2	Packing Packing Packing Cylinder end Bolt Screw Nut Nut Spring Tube	62650 66071 67310 69818 70409 70445 91856 91857 92385 360656	1 2 1 8 4 1 1 1 2	Tube Steel ball Nipple Tube clamp (closed) Lockwasher Four-way valve Index head (left) Index head (right) Piston & plunger rod Guard			
	1	I	1	1	1	1					







FLOW DIAGRAM

Material flows into the four-way valve inlet and into one end of the measuring cylinder. Material pressure moves the piston toward the opposite cylinder end until the piston rod contacts an index stud. As the piston moves, it forces material from the opposite cylinder end through the four-way valve and out through the delivery hose. After the piston rod contacts the index stud, pressure builds up and the air-powered pump stalls.

Reversing the position of the four-way valve handle causes the flow of material to the measuring cylinder to be reversed. An identical output will be obtained as the piston will travel the same distance during both strokes.

TROUBLESHOOTING

PROBLEM:

Inaccurate delivery of output.

CAUSE:

- A) Material may be bypassing the 38108 Piston Packings. Inspect the 61479 Tube for wear or damage.
- B) The body or spool of the four-way valve may be worn or scored.
- C) An air pocket may have formed in the measuring cylinder.

PROBLEM:

Leakage around piston rod.

CAUSE:

34379 and 34380 Packings may be worn or loose. Tighten 13833 Packing Retainer until leakage stops. If leakage continues, replace packings and inspect the piston rod for damage.

RETAIN THIS INFORMATION FOR FUTURE REFERENCE

When ordering replacement parts, list: Part Number, Description, Model Number, and Series Letter.

LINCOLN ST. LOUIS provides a Distributor Network that stocks equipment and replacement parts.

A list of Authorized Service Departments will be furnished upon request.