

OPERATOR'S MANUAL

650771-X-B

INCLUDE OPERATOR'S MANUAL: PD02P-X (1/4" Diaphragm Pump 97999-680)

RELEASED: 7-2-97

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(REV: E)

650771-X-B

1/4" DIAPHRAGM PUMP (REMOTE ACTUATION TYPE)



**READ THIS MANUAL CAREFULLY BEFORE INSTALLING,
OPERATING OR SERVICING THIS EQUIPMENT.**

It is the responsibility of the employer to place this information in the hands of the operator. Keep for future reference.

MODEL DESCRIPTION

This pump is intended to be used with ARO model 67165-X Solenoid Actuation Kit to create a remotely controlled pumping system.

This is a standard 1/4" diaphragm pump which has been specially modified to provide external control of the pump cycling. This is done by tapping into the minor air valve body and extending a tube outside the pump body. This tube is connected to a solenoid.

NOTE: The pump will not function without the use of an external solenoid valve.

Theory of Operation

When the solenoid is de-energized, one air chamber inside the pump is pressurized with air, while the other chamber is exhausted. As the solenoid is shifted, the pressurized chamber is exhausted while the opposite chamber is pressurized. By alternately applying and removing power, the solenoid operated pump performs like a standard ARO diaphragm pump.

MODEL CHART

MODEL	MATERIAL	STANDARD MODEL
650771-1-B	POLYPROPYLENE	PD02P-APS-PTT
650771-2-B	POLYPROPYLENE	PD02P-APS-PTA
650771-3-B	ACETAL	PD02P-ADS-DTT

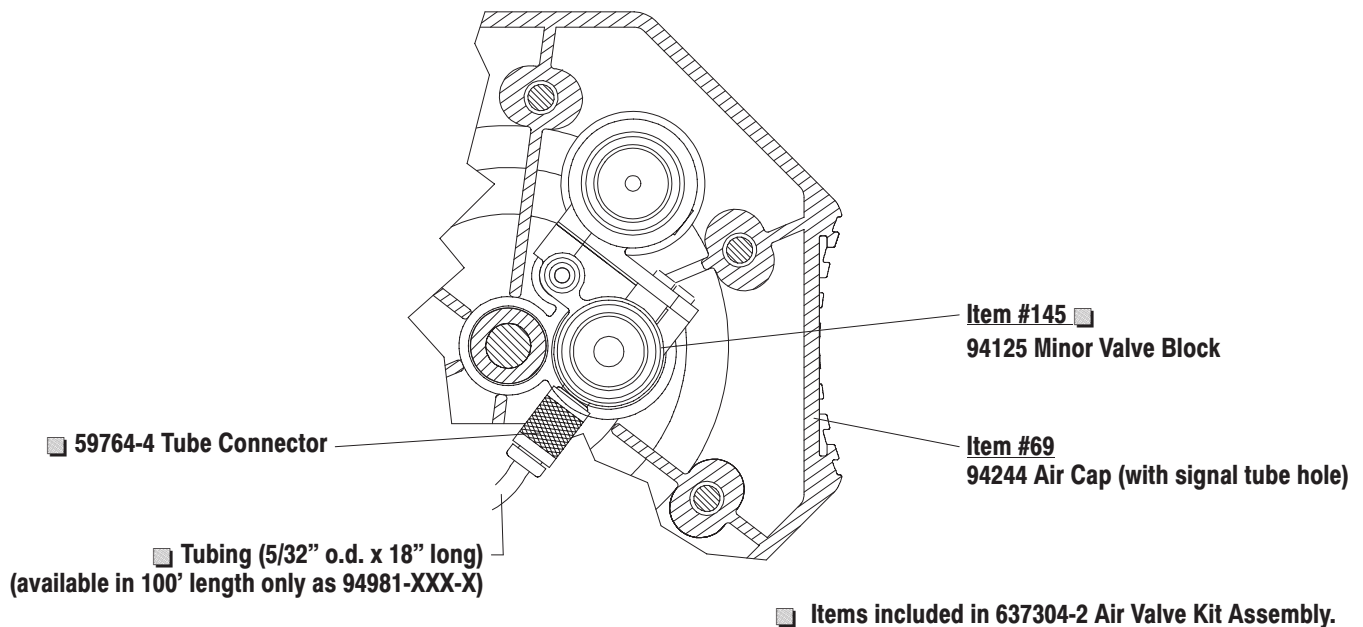
The PD02P-X Operator's Manual should be used for General Information, Installation, Operation and Maintenance. Refer to the Standard Model number shown in the chart above to select Service Kits and replacement parts.

Model series 650771-X-B are similar to standard models in the PD02P-X diaphragm pump series. Most of the parts used in these models are standard. The parts exceptions for these models are indicated in the view below.

637304-2 air valve kit assembly is similar to 637276 (refer to PD02P-X Operator's Manual) with the exception of the items listed below.

SPECIAL PARTS USED IN 650771-X-B

(Item numbers are as shown in PD02P-X manual.)



PN 97999-744

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