

AAPGP1015

Analog Air Purge Grease Pump System

RELIABLE

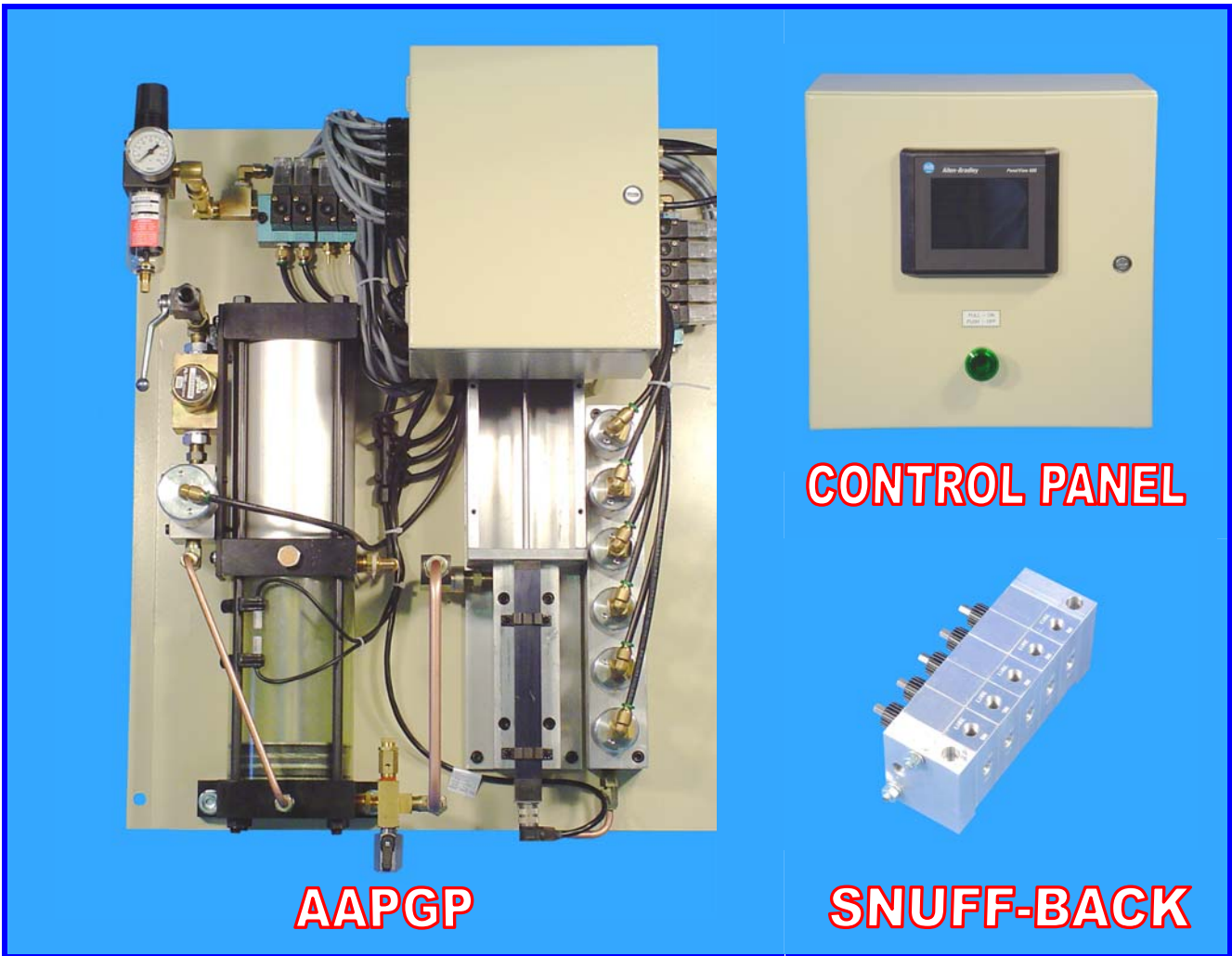
FAST

CLEAN

Air-operated multiple stroke air purge grease pump

■	Finds and eliminates voids and air in grease
■	Operates normally during supply pump drum changes
■	Includes solenoid operated air valves and linear potentiometer
■	Operates with included PLC

■	Will dispense NLGI #00 through #2 lubricating grease
■	Has electronically adjustable volume and flow rate control
■	Includes five 3-way solenoid valves for operation of snuff-back device
■	Includes sample PLC logic diagram



AAPGP

CONTROL PANEL

SNUFF-BACK

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DESCRIPTION

Analog Air Purge Grease Pump (AAPGP) with maximum grease volume of 1.77 cc (.108 cubic inch), 64 cubic inch grease reservoir with translucent barrel, auto fill, fill sensor, and filled sensor. The AAPGP1015 also includes a compressed air regulator and gauge, 24 VDC solenoid valves, grease filter, electronically controlled variable pressure regulator, DC power supply, linear potentiometer, A-B Micrologix PLC with Panel View and programmed, grease fill valve, grease purge valve, five grease dispense valves (A, B, C, D, & E), stack of five 3-way solenoid valves (for operation of snuff-back devices), and a NEMA 12 terminal/regulator enclosure. This AAPGP will function with NLGI #0 through # 2 grease and requires 80 p.s.i. compressed air, 120 v.a.c., and includes 4 spare inputs and 4 spare outputs for customer's use.

MULTIPLE POINT DISPENSER FOR USE WITH A SNUFF-BACK DEVICES

The optional snuff-back devices will minimize drooling and oozing of grease from nozzles

ELECTRONIC VOLUME AND FLOW ADJUSTMENT

The five grease output volumes of the AAPGP1015 are electronically adjustable.

PATENTED

The AAPGP1015 (analog air purge grease pump system) is manufactured under U S patent number 6,053,285. It will find and purge or discard grease that contains air. It will pump only airless grease.

LOWER PRESSURE GREASE MINIMIZES SEPARATION

The AAPGP1015 system is designed to dispense grease at lower grease pressure to minimize separation of oils and solids.

INTEGRAL GREASE RESERVOIR

The grease reservoir has an "air-spring" for dependable operation with heavy NLGI #2 grease. The reservoir can fill automatically from a grease pail pump.

RELIABLE AND CLEAN

An Electronic linear potentiometer communicates with the included PLC. Solenoid operated air valves operate automatically to sequence the dispenser through its "fill", "test", and "dispense" cycles.

SPECIFICATIONS

Material Dispensed	Lubricating oil and Grease compatible with neoprene seals and with a viscosity between 30 and 1,000,000 centipoise.	Boost Ratio	21 to 1, 30 p.s.i. air pressure = 630 p.s.i. grease output pressure
Material Inlet Pressure	2,500 p.s.i. maximum 400 p.s.i. minimum	Piston Volume	Adjustable between .17 and 1.7 cubic centimeters (.010 to .10 cubic inch)
Reservoir size	64 cubic inch (1 liter) with 1.8 to 1 boost ratio	Air Valves	24 VDC solenoid operated
Operating Air Pressure	80 to 100 p.s.i.	Ambient Temperature	50 to 120° F.
Port Sizes	Air, grease in, and grease out ports are ¼ NPT female	Electrical Specifications	120 v.a.c. IN
Shipping Weight	100 lb. (45 Kg)	Dimensions	25" H X 20" W X 14" D

The snuff-back devices shown on page one are optional (see CAT-SB2000 for details)

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