

## 275 Series Integrated Pump Mounted Electric Actuator



- Mounts Directly on Bosch 'P' and 'RP 21' Fuel Injection Pumps in Place of a Mechanical Governor\*
- Able to Control Up to 16 Cylinder Pumps
- Outstanding Reliability- No Sliding Parts, Completely Sealed
- Connects Directly to the Fuel Rack Bellows
- Includes Manual Rack Return Mechanism
- Position Feedback Transducer & Heavy Duty Bearing Retention Options Available
- Optimum Performance for Inline Pumps

### INTRODUCTION

The **275 Series Electric Actuator** is designed to mount directly on **Bosch 'P' and 'RP 21' Fuel Injection Pumps** in place of the mechanical governor. When the **275 Series** is installed on the fuel pump, an integral high performance fuel control system without external linkages or brackets results. An external fuel rack return lever is provided to manually override the actuator's control. Also provided is an adjustable internal maximum fuel limit for calibration.

The **275 Series**, a second generation design that is more powerful than its predecessor, is able to control up to 16 cylinder pump-arrangements. The actuator was designed with two isolated chambers that eliminates the possibility of any magnetic particles collecting and jamming the actuator. The upper chamber, which contains spray-oil, houses the actuator linkage and the lower chamber houses the electro-magnetic components. The **275 Series** typically outlasts the life of a diesel engine's.

**GAC & HT** has a complete line of **Camshaft Bearing Retainer Kits** available for the **275 Series** to ensure an appropriate fit and prevent leakage. The **275 Actuator** can also be installed on **Bosch 'MW' and 'A' Pumps**. For the most common **275 Series'** variations and kits available see **TABLE 1**.

**TABLE 1.**

Actuator Variations Available	
P/N	Description
ACB-275H	Multi VDC / MIL Connector
ACE-275H	24 VDC / Packard Connector w Mating Connector
ACE-275HD-24	24 VDC / Packard Connector w Mating Connector / Heavy Duty Bearing Retention
Associated Kits	
KT-275-3000	Adaptor Kit - Bosch 'P' 3000 Pump
KT-276-7000	Adaptor Kit - Bosch 'P' 7000 Pump
KT-278 -1	Adaptor Kit - Bosch RP21 Pump

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that work right from the beginning.*

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