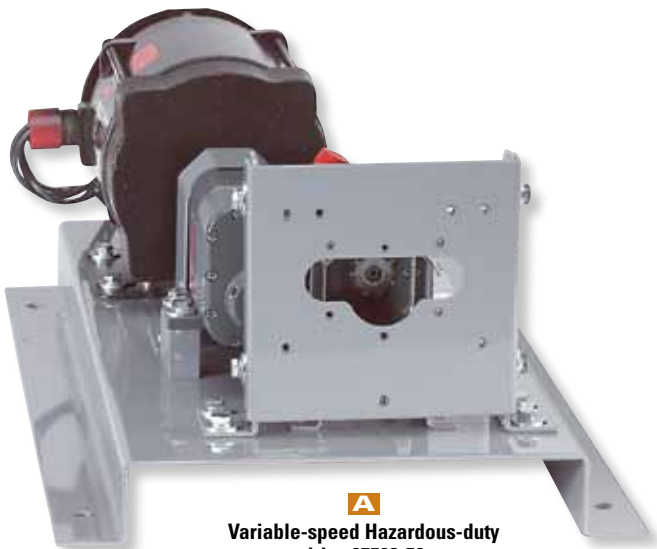


## I/P® Hazardous-Duty and Air-Powered Drives

### Specially-designed pumps for Hazardous-duty applications

- Use where special electrical precautions are necessary to ensure safe operation
- Variable-speed drives provide a wide flow range for maximum flexibility
- Compatible with all I/P® pump heads



**A**  
Variable-speed Hazardous-duty  
drive 07583-50

*Ideal for hazardous or  
process applications*



**B**  
Variable-speed  
air-powered drive  
07589-30

### A Variable-Speed Hazardous-Duty Drives

- Safer, fully mechanical speed control—adjust with lever, then lock setting
- 115 VAC motor is UL-listed for Class 1, Group C and D, Division 1 hazardous locations
- Achieve up to 11.2 LPM (3 GPM) using the High-Performance pump head, or stack up to two Standard or Easy-Load® heads (using silicone or C-FLEX® tubing) for up to 17 LPM (4.5 GPM); also compatible with L/S® pump heads—see pages 1462 to 1478.
- Power switch and line cord not included—connect power using protected connections

### B Variable-Speed Air-Powered Drive

- Use when electrical power may be unsafe or impractical—for safe operation, carefully ground to protect from static electricity
  - Vary motor speed by using a regulator (included) to adjust air pressure—¾-hp air motor starts smooth, generates less heat than an electric motor, and requires little maintenance
  - Achieve up to 19 LPM (5.0 GPM) using the High-Performance pump head, or stack up to two Standard or Easy-Load® heads (using silicone or C-FLEX® tubing) for up to 26 LPM (6.9 GPM)
  - Air-powered drive is ATEX Zone 2 approved; rated to EEX II 3 G c IIC T6; NEC Class 1, Division 2, Groups A, B, C, D, T6
- What's included:** regulator with 5-mm air filter and ¼" NPT(F) connection, automatic lubricator, 0 to 30 psi pressure gauge, and muffler.

## FREE Technical Applications Assistance

Our team of **scientific experts** is trained to answer your most **challenging questions** because they are **experienced** in a wide variety of backgrounds, including **biology, chemistry, biochemical engineering, and physics.**



**Challenge:** An agricultural company needed to pump ethanol at approximately 7 LPM to a stripping column. They needed a pump drive that would withstand the flammability of ethanol and tubing that provided excellent chemical compatibility.

**Our solution:** Application Specialist recommended the I/P® Hazardous-duty pump drive (07583-50), and Viton® tubing (96412-73). The I/P Hazardous-duty drive is UL-listed for Class 1, Group D, Division 1 hazardous locations. The Easy-Load® pump head provides greater flow rate flexibility if the customer needs to use other sizes of tubing. With respect to the tubing, Viton has an excellent chemical compatibility rating with ethanol.

 **Cole-Parmer®**  
Delivering Solutions You Trust

### Find MORE!

Don't forget to order pump heads and tubing. Go to pages 1250–1253 for pump heads and 1254–1258 for tubing.

