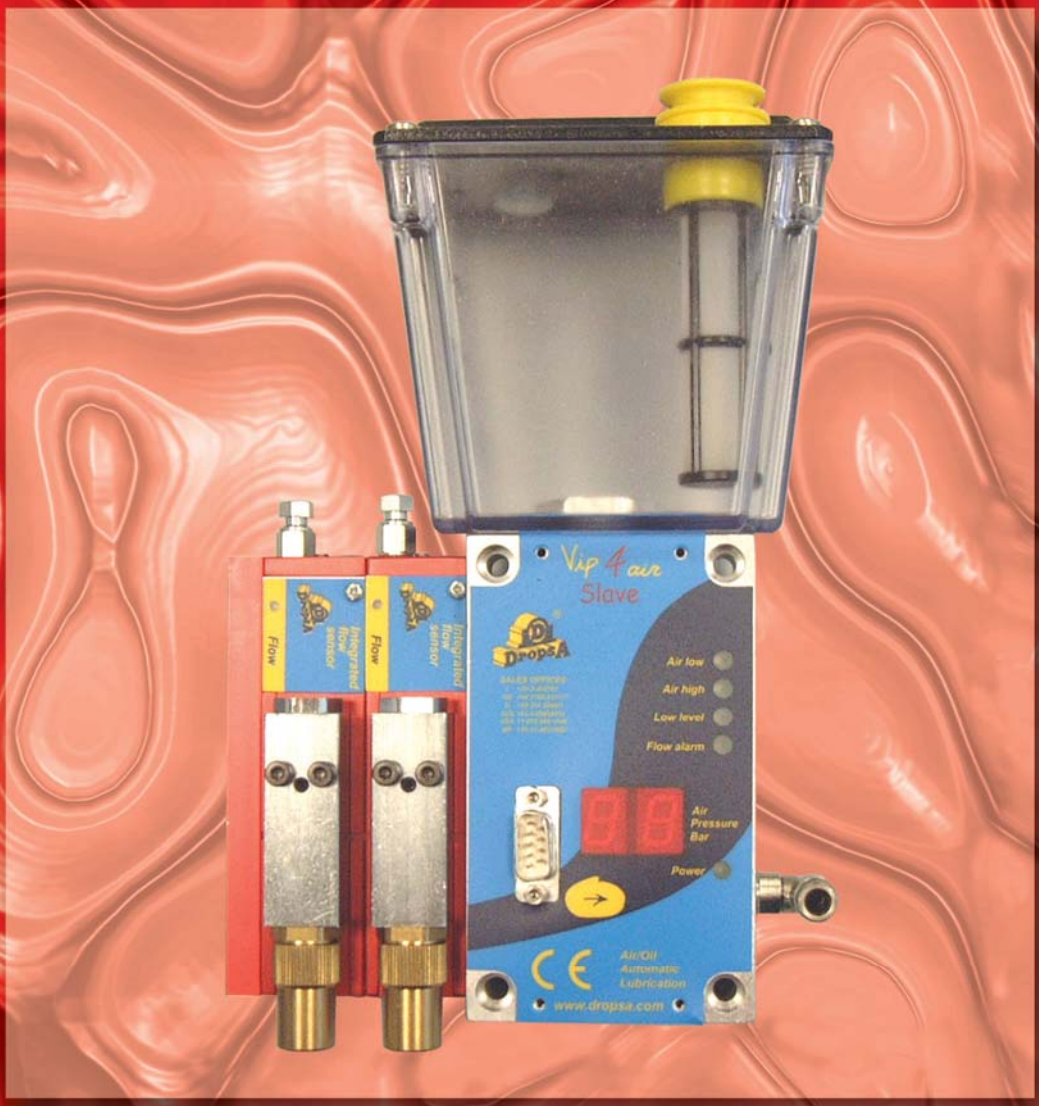
VIP*4*Air/Slave

Minimal Air/Oil Lubrication with Electronic Monitoring



Automatic Lubrication Systems

VIP4Air / Slave

GB
USA

Air/Oil minimal lubrication system with electronic monitoring designed for integration with Machine Control.

The Vip4Air/Slave system can be used for a wide variety of applications, ranging from bearing, high speed bearing & spindle lubrication to sophisticated dry machining application where precise but variable quantities of lubricant need to be injected onto the machining area with the key feature of providing positive lubrication feedback to the host (timing control) system.

The Host system can control the lubrication cycle simply by operating a solenoid installed prior to the Vip4Air/Slave system. The Vip4Air/Slave's incoporated electronics monitors the air pressure via an electronic transducer to determine the start and monitoring of the lubrication cycle thus providing a feedback via the remote connector of completed lubrication cycle. Additionally the electronics will provide air pressure monitoring information and low level condition to the host machine.

A Manual button is located on the Vip4Air/Slave unit that the user can use to send a signal back to the host machine either to trigger a lubrication cycle or for any other function that may be required (for example priming).

This highly compact unit can be installed directly onto the machine requiring no other special auxiliary equipment to operate it.

Key Monitoring Features :

- Completed Lubrication Cycle (Oil in Air Injection)
- Air Mixing Pressure monitoring for low/high air pressure conditions.
- Low level alarm
- Front-Panel LEDs provide local feedback to assist operator in fault diagnosis

The VIP4Air/Slave Unit Features :

- Lubricate 1 to 7 points with lubricant discharge volumes from 5 to 30 mm³ per lubrication cycle.
- Full positive feedback of completed lubrication cycle via integrated flow sensors. The differential nature of the flow sensors means that no calibration is required during set-up.
- Front panel display indicates mixing air pressure .
- Total monitoring using logical 24 V signals to the host machine via the 9 pin D-connector.
- Built in Regulating needle to set air flow and pressure
- Manual/Reset button for remote signal to host machine.
- The only requirement to perform a lubrication cycle is to operate a 3-way solenoid valve to be installed prior to the Vip4Air/Slave.

VIP4Air - Slave 24 V DC	
Number of Points	Part Number
1	3135141
2	3135142
3	3135143
4	3135144
5	3135145
6	3135146
7	3135147

CARATTERISTICHE TECNICHE	
Operating Voltage	24 V DC
Power Consumption	60 V A
Air Pressure	5 ÷ 8 bar (73.5 ÷ 117.6 psi)
Output Signals	24 V Logic signals
Temperature	-5 ÷ +55 °C (23 °F ÷ 131°F)
Max Humidity	90% max
IP Protection Grade	IP-44
Lubricant	Oil
Lubricant Viscosity	32 ÷ 220 cSt (150 ÷ 1018 SUS)
Storage temperature.	-20 ÷ +65 °C (-4 °F ÷ 149 °F)

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