VIP4AIR 4.0 - SMODULE

DropsA

Advanced Air-Oil micro lubrication dosing modules

VIP4AIR 4.0 - SMODULE represents the new generation of air-oil volumetric micro-dosing modules that allows the **regulation and control** of micro-amounts of oil typically used on high-speed spindles, chains and belts.

The device consists of independent modules containing **two volumetric micro-pumps**, that are managed through **IO-Link communication and can be managed independently of each other**.

The high level of control is ensured by the presence of a **cycle sensor**, that verify the effective delivery of oil, and the **pressure sensors** at the outlet, that verify the correct air leakage. The pressure and cycle values are read and managed via IO-Link interface.

In addition, it gives the possibility to install **up to 4 mixing bases**.

ADVANTAGES
In a single ultra-compact module is it possible to manage two lubrication points and read the lubrication and air control independently through a single cable thanks to IO-Link interface.
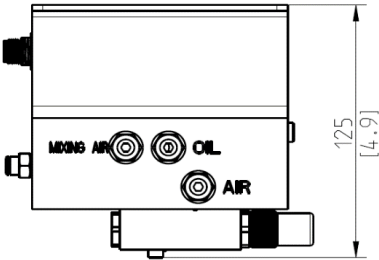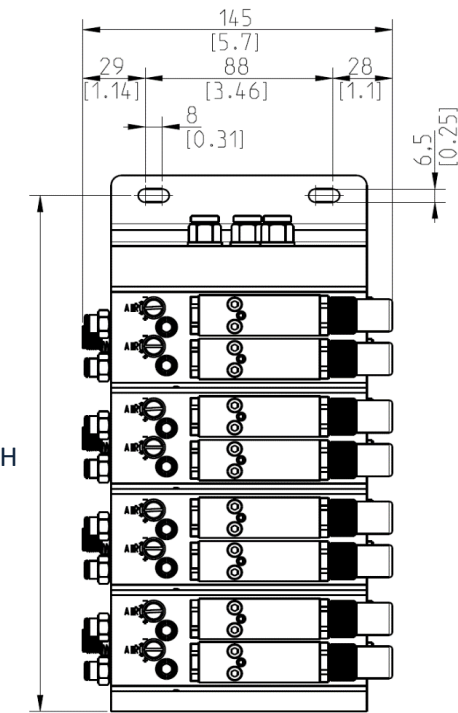
TECHNICAL CHARACTERISTICS

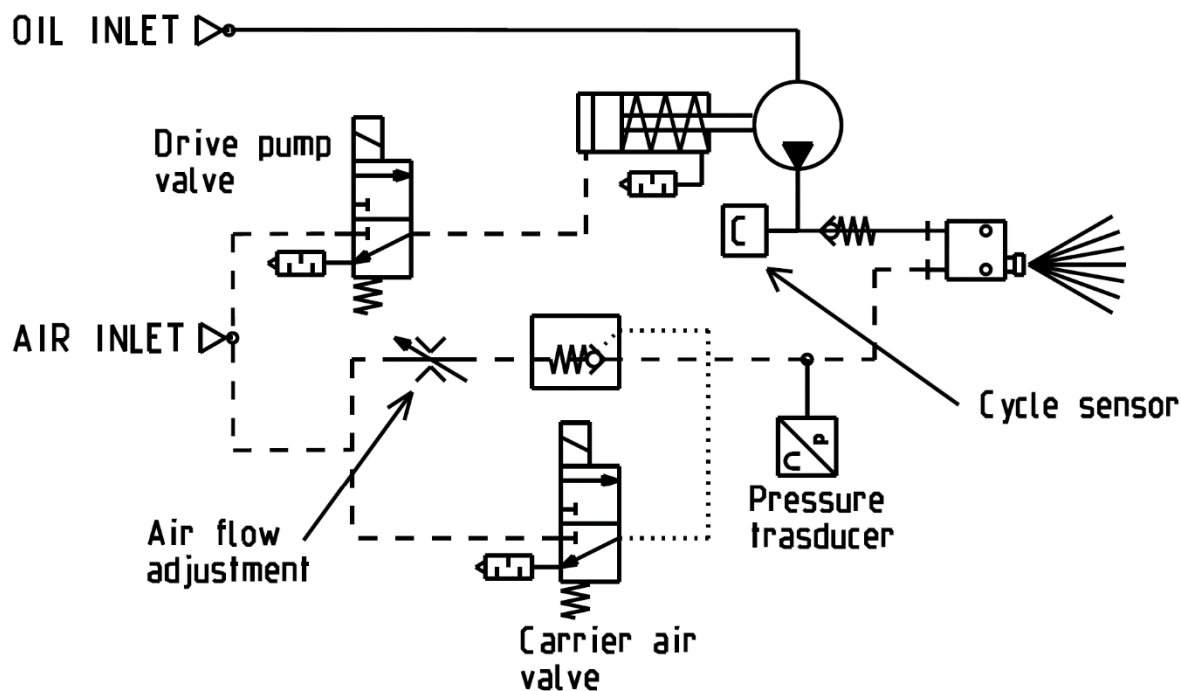| TECHNICAL FEATURES		
Supply air pressure	bar	5 - 8
Maximum oil supply pressure	bar	1
Minipump flow rate[2]	mm³/cycle	7 - 15 - 30
Operating temperature	°C [°F]	-5 - +50 [23 - +122]
Operating voltages	VDC	*24 ±10%*
Operating humidity	%	90 max
Degree of Protection	IP	65
Acceptable lubricants		Oils
Oil viscosity at working temperature	cSt	32 - 220
Storage temperature	°C [°F]	-20 ÷ 65 [-4 - +149]
TECHNICAL FEATURES OF IO-LINK SIGNALS		
Hardware specifications		Reverse polarity protection on power supply Power supply noise protection (Spike)
INPUT - Signals		Independent control for each air outlet Independent control of the oil supply De-energizing the solenoid valves in the absence of communication with the PLC
OUTPUT - Air outlet pressure	Bar	0 - 10 (±1% FS)
OUTPUT - Signals		Keep alive signal Oil dispensing signal

DIMENSIONS (DRAWINGS NOT IN SCALE)

N° Sub-bases	H
1	105 [4.1]
2	155 [6.1]
3	205 [8]
4	255 [10]

HYDRAULIC SCHEME

ORDERING INFORMATION. THE MODULES ARE PRE-ASSEMBLED AS SHOWING ABOVE.

Description	Code
Vip4 Air 4.0 - 1 MODULE IO/LINK	3135901
Vip4 Air 4.0 - 2 MODULE IO/LINK	3135902
Vip4 Air 4.0 - 3 MODULE IO/LINK	3135903
Vip4 Air 4.0 - 4 MODULE IO/LINK	3135904
Connection cables	
Cable PUR IO-Link 1meter	UE-CVPR054
Cable PUR IO-Link 2meters	UE-CVPR055

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Dropsa products can be purchased at Dropsa branches and authorised distributors.
Go to **www.dropsa.com/contact** or write to **sales@dropsa.com**

Distributor Info:

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