E/P Pressure Regulator
Industrial Ethernet Communication

Electro-Pneumatic Regulator
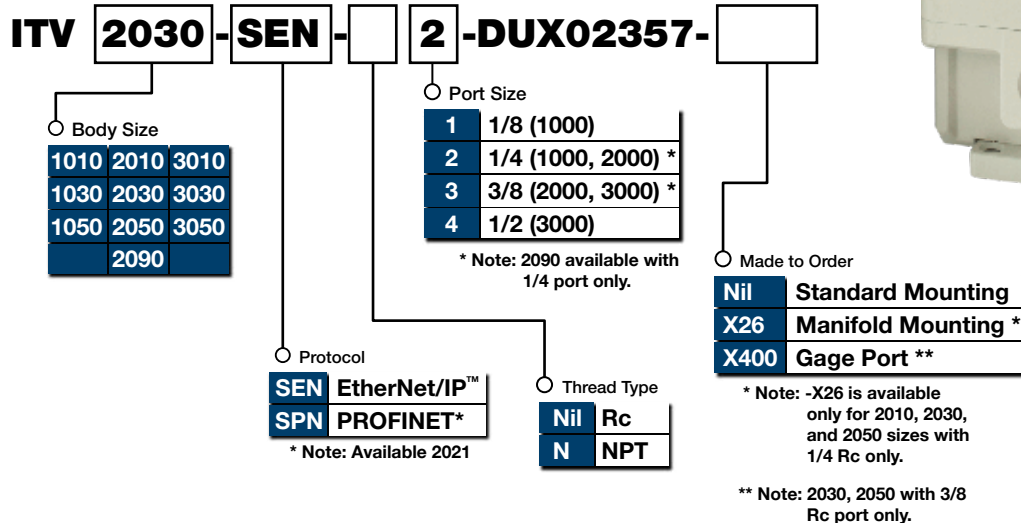
Electronic Vacuum Regulator

RoHS Compliant

Features

- DIP switch for IP address setting
- EtherNet/IP™ QuickConnect™
- Integrated 2-port ethernet switch
- Device Level Ring (Ethernet/IP)
- Daisy chain/PoE (up to 5 units)
- Integrated web server/DHCP
- Setpoint and feedback in engineering units
- Adjustable gain & sensitivity
- Over and under voltage indication
- Hold set pressure on lost connection

How to Order

ITV [2030] - [SEN] - [ ] [2] - DUX02357 - [ ]

Body Size

1010	2010	3010
1030	2030	3030
1050	2050	3050
	2090	

Protocol

SEN	EtherNet/IP™
SPN	PROFINET*

* Note: Available 2021

Port Size

1	1/8 (1000)
2	1/4 (1000, 2000) *
3	3/8 (2000, 3000) *
4	1/2 (3000)

* Note: 2090 available with 1/4 port only.

Thread Type

Nil	Rc
N	NPT

Made to Order

Nil	Standard Mounting
X26	Manifold Mounting *
X400	Gage Port **

* Note: -X26 is available only for 2010, 2030, and 2050 sizes with 1/4 Rc only.

** Note: 2030, 2050 with 3/8 Rc port only.

Specifications

Model	1010 2010 3010	1030 2030 3030	1050 2050 3050	2090
Min. Supply Pressure (psi)	Set Pressure +14.5			-1.9
Max. supply pressure (psi)	29	145		-14.6
Set Pressure Range (psi)	0.7 to 14.5	0.7 to 72.5	0.7 to 130.5	-0.2 to -11.6
Power Supply Voltage	24VDC ± 10%			
Current Consumption	0.15A or less			
Input & Output Signal	12 bit resolution			
Linearity	Within ± 1% (Full Span)			
Hysteresis	Within ± 0.5% (Full Span)			
Repeatability	Within ± 0.5% (Full Span)			
Sensitivity	Within ± 0.2% (Full Span)			
Temperature Characteristics	Within ± 0.12% (Full Span) / °C			
Ambient & Fluid Temperature	0 to 50°C (32 to 122 °F) (No condensation)			
Enclosure Rating	IP65			
Weight	Size 1000	12.3 oz.		
	Size 2000	15.9 oz.		
	Size 3000	26.5 oz.		
Compliance	CE, UL, OVDA EtherNet/IP 1.26			

How to Order

IITV20-XX-X-20X0-SXX-DUX02357

Port size

2	1/4 (1000, 2000)
3	3/8 (2000, 3000)

Thread Type

Nil	Rc(PT)
N	NPT
F	NPTF

Number of Stations

- 2 Station
- 3 Station
- 4 Station
- 5 Station
- 6 Station
- 7 Station
- 8 Station

Pressure

1	0.1 MPa
3	0.5 MPa
5	0.9 MPa

Protocol

SEN	Ethernet I/P™
SPN	PROFINET*

* Note: Available 2021

Solenoid Valve Exhaust

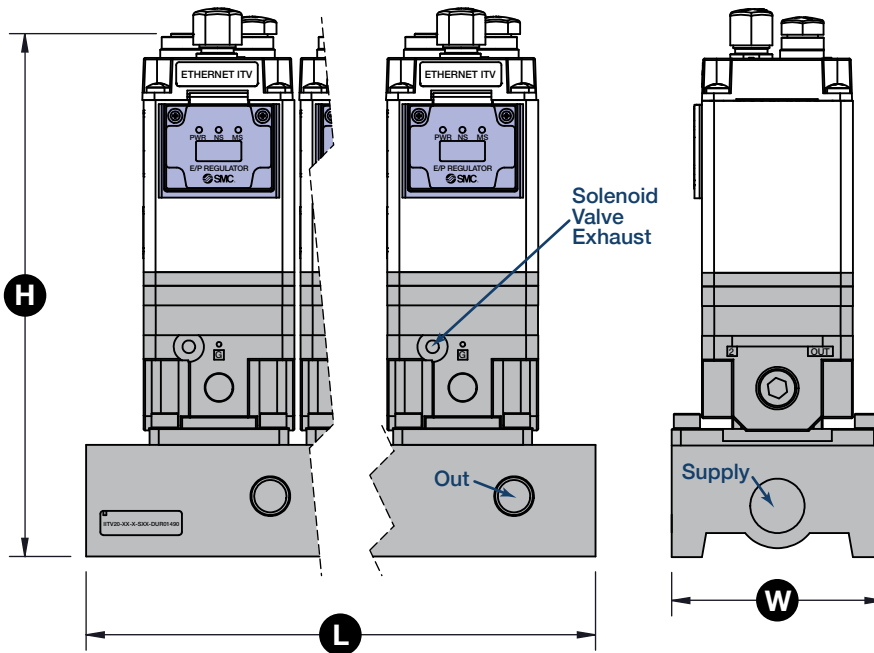Out

Supply

Porting

- **Supply:** 1/2
- **Out:** 1/4 or 3/8 (per order)
- **Thread Type:** Rc, NPT or NPTF (per order)
- **Solenoid Valve Exhaust:** M5x0.8 port

Dimensions

- **L** **Length (mm):** 52N + 36 (N = # of stations)
- **H** **Height (mm):** 173.2
- **W** **Width (mm):** 70

Mounting Screws

- **4X M5x0.8 SHCS**

Specifications

Voltage	24 VDC ± 10%
Input Signal (Digital)	12 Bit
Output Signal (Digital)	12 Bit
Linearity	Within ± 1% Full SPAN
Hysteresis	Within ± 0.5% Full Span
Repeatability	Within ± 0.5% Full Span
Sensitivity	Within ± 0.2% Full Span
Enclosure	IP 65*

* Note: To meet IP rating, liquids must not have access to solenoid valve exhaust port

YV-RRD-2.5M