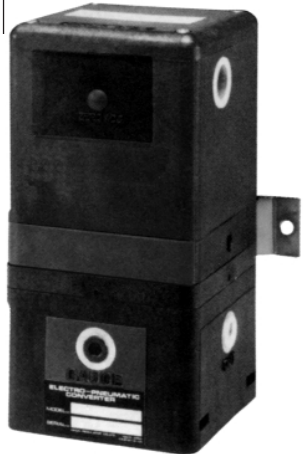


ELECTRO-PNEUMATIC CONVERTERS

Converts an electric current input signal into a pneumatic signal.



EN 40 Electro-Pneumatic Converter

The EN 40 is designed to input a DC signal in the ranges of 4-20 mA or 10-50 mA, and to convert this signal into a proportional pneumatic pressure.

Standard Features

- High pneumatic pressure output
- Excellent linearity and response
- Compact size
- Simple installation and maintenance
- External zero adjustment
- Can be mounted at angles of up to 15 degrees
- Temperature compensated
- Volume booster incorporated
- Can be applied to manifold circuits

Function

The electro-pneumatic converter, Model EN 40, converts a current signal into a proportional pneumatic output.

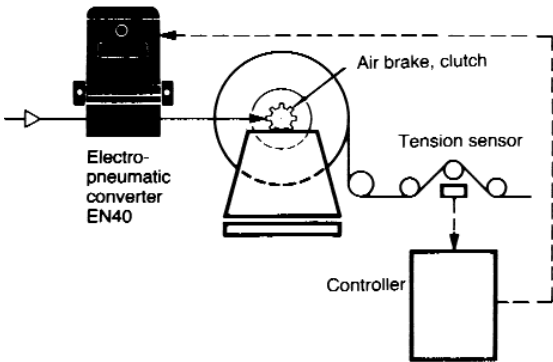
It also incorporates a volume booster to assure the flow rate and pneumatic pressure required by pneumatic equipment for industrial use.



Applications

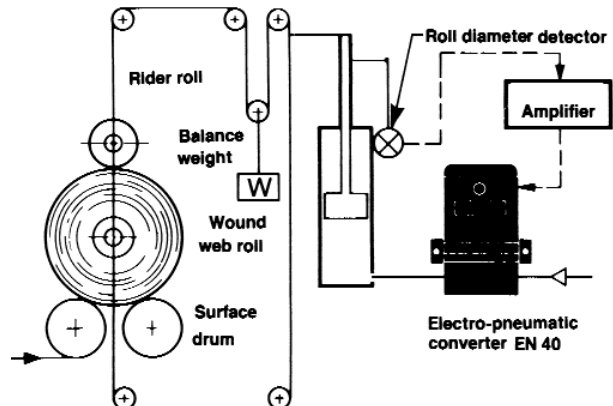
Tension Control

Model EN 40 is employed in web tension control systems using an air brake or clutch.



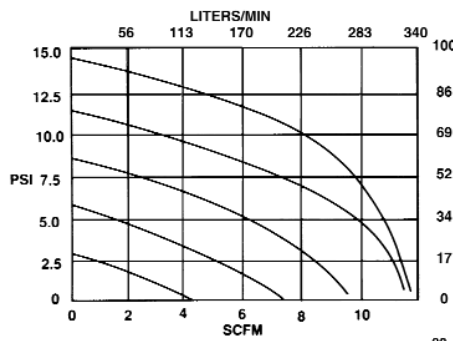
Rider Roll Control

Control roll hardness at the winder by means of a rider roll.



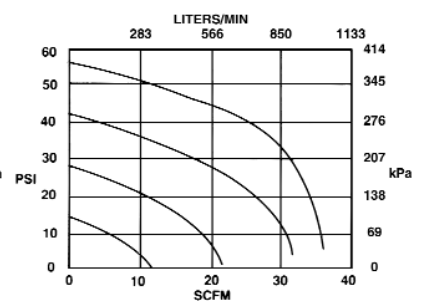
Flow vs. Pressure

EN 40-1D @ 20 psi input-138 kPa

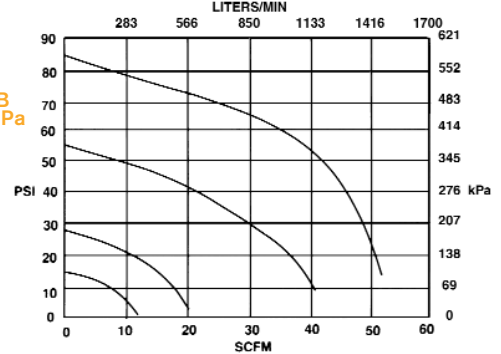


Flow vs. Pressure

EN 40-1A @ 70 psi input-483 kPa



EN 40-1B & EN 40-2B @ 92 psi input-634 kPa



Specifications EN 40

Product No.	Model No.	Current Input	Air Output	Air Input Maximum	Air Consumption
912001	EN 40-1D	4-20 mA	0-15 psi	20 psi	.18 SCFM @20 psi
			10-100 kPa	138 kPa	5 kPa
912004	EN 40-2B	10-50 mA	0-85 psi 0-595 kPa	100 psi 690 kPa	.42 SCFM @85 psi 12 kPa
912028	EN 40-1B	4-20 mA	0-85 psi 0-595 kPa	100 psi 690 kPa	.42 SCFM @85 psi 12 kPa
912035	EN 40-1A	4-20 mA	0-57 psi 0-343 kPa	70 psi 483 kPa	.32 SCFM @57 psi 9 kPa
Load Resistance		450			
Linearity		± 1%			
Weight		4.4 lbs			

Filtration

This converter must be used with an air supply filtered to .04 micron. We recommend Nexen filters.

Product Number	Description
912005	5 micron prefilter
912006	.01 micron final filter