

# Conoflow®

## GT25/GT45/GT65 Series IEEE Qualified I/P Transducer

Conoflow's IEEE Qualified I/P Transducers have been qualified in accordance with the requirements of IEEE 323-1974 and the recommended practices of IEEE 344-1975. The test program Thermal Aging, Radiation Aging, Wear Aging, Seismic Qualification and Steam Line Break Testing. For details of test conditions, consult the factory.

### Standard Specifications

**Input Range:** 4-20 mA DC, 10-50 mA DC  
**Output Signal:** 3-15, 3-27, or 6-30 PSIG (21-103, 21-186, or 41-207 kPa)  
**Nominal Input Impedance:** 580 Ohms (4-20 mA DC) or 235 Ohms (10-50 mA DC)  
**Required Regulated Air Supply Pressure:** 25 PSIG (172 kPa) for 3-15 PSIG, 35 PSIG (241 kPa) for 3-27 (21-186 kPa) and 6-30 PSIG (41-207 kPa) units.  
 Filtered Air Supply – Units equipped with a GFH25XT1767F Airpak®, Filter-Regulator  
**Air Consumption(Maximum):** 0.20 scfm (0.006 m<sup>3</sup>/min) for GT25. 0.30 scfm (0,009 m<sup>3</sup>/min) for GT45 / GT65 models.  
**Air Delivery Rate (Maximum):** 5 SCFM (0.142 m<sup>3</sup>/min)  
**Exhaust Rate (Maximum):** 3 SCFM (0.142 m<sup>3</sup>/min)  
**Linearity:** ± 1.5% of output span  
**Temperature Effect:** 0.25% of output span per °F  
**Ambient Temperature:** 0°F to + 150°F (-18°C to + 66°C)  
**Approximate Shipping Weight:** 12.5 lbs (5.44 Kg)  
**Minimum (Output) Piping Requirements:** 3/8" tubing or 1/4" pipe

### MATERIALS OF CONSTRUCTION

**Housing:** Zinc Alloy Housing  
**Elastomers:** Viton  
**Printed Circuit Board:** Special Coating

### DIMENSIONAL DATA – ADVERTISING DRAWINGS

GT Series I/P Transducer: A28-16

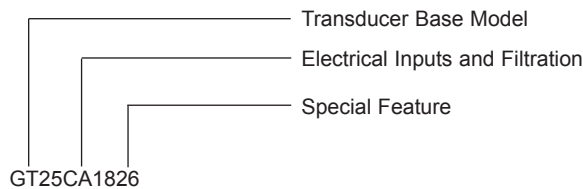


### Ordering Sequence — Select desired option for each category

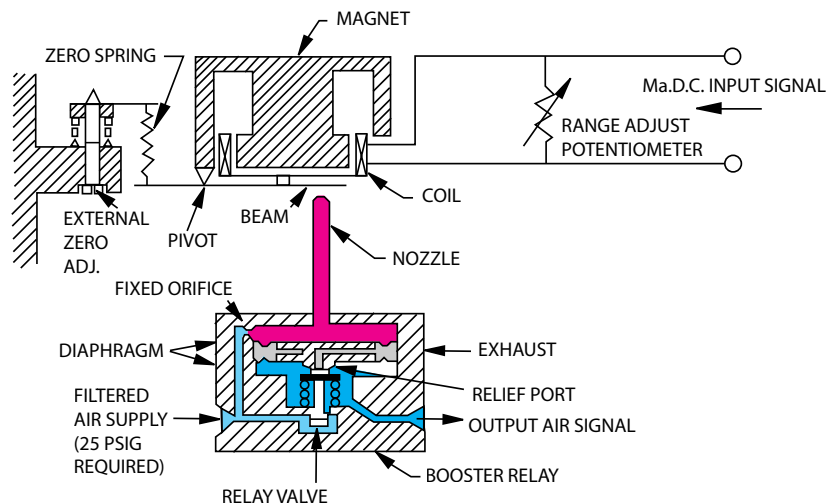
TEXT POSITION 1 through 4	OPTION CODE	DEFINITION OF CHARACTER
	<b>GT25</b>	3-15 PSIG (21-103 kPa)
	<b>GT45</b>	3-27 PSIG (21-186 kPa)
	<b>GT65</b>	6-30 PSIG (41-207 kPa)
<b>ELECTRICAL INPUTS and FILTRATION</b>		
5-6	<b>CA</b>	4-20 mA DC w/ GFH25XT1767F Airpak, Filter-Regulator*
	<b>CD</b>	4-20 mA DC No Filtration or Regulation of Input Pressure
	<b>FA</b>	10-50 mA DC w/ GFH25XT1767F Airpak, Filter-Regulator*
	<b>FD</b>	No Filtration or Regulation of Input Pressure
<b>SPECIAL FEATURRE</b>		
7-10	<b>1826</b>	IEEE Qualified I/P Transducer, IEEE 323-1974, IEEE 344-1975

\* Item is shipped loose

### Example



### Principle of Operation



# Series IEEE Qualified Transducer

## Dimensional Views

