



## Transducers and Components for 8170 Mass Flowmeter Systems and 8270 Mass Flow Controller Systems



*Transducer Assembly*

### Description

Matheson affords the user the ability to mix and match components to achieve a customized system. Listed below are the individual model numbers for the transducer assemblies for Matheson's Mass Flowmeters and Mass Flow Controllers.

### Specifications

Please Refer to Specifications as listed below.

### Electrical Components

#### Model

8170, 8175  
 8124  
 8270, 8274

#### Description

Control Box for Mass Flowmeters  
 Totalizer for Mass Flowmeters  
 Control Box for Mass Flow Controllers  
 8 ft standard signal cable  
 25 ft signal cable  
 50 ft signal cable  
 100 ft signal cable

CBL-0124-XX  
 CBL-0125-XX  
 CBL-0126-XX  
 CBL-0127-XX

### Transducer Assemblies for Controllers and Flowmeters

Flowmeter Transducer Model Number	Controller Transducer Model Number	Range in Nitrogen @ 0°C and 14.7 psia	Standard End Fittings
8172-0411	8272-0411	0-10 sccm	1/4" Swagelok
8172-0421	8272-0421	0-20 sccm	1/4" Swagelok
8172-0431	8272-0431	0-30 sccm	1/4" Swagelok
8172-0451	8272-0451	0-50 sccm	1/4" Swagelok
8172-0412	8272-0412	0-100 sccm	1/4" Swagelok
8172-0422	8272-0422	0-200 sccm	1/4" Swagelok
8172-0432	8272-0432	0-300 sccm	1/4" Swagelok
8172-0452	8272-0452	0-500 sccm	1/4" Swagelok
8172-0413	8272-0413	0-1 slpm	1/4" Swagelok
8172-0423	8272-0423	0-2 slpm	1/4" Swagelok
8172-0433	8272-0433	0-3 slpm	1/4" Swagelok
8172-0453	8272-0453	0-5 slpm	1/4" Swagelok
8172-0414	8272-0414	0-10 slpm	1/4" Swagelok
8172-0424	8272-0424	0-20 slpm	1/4" Swagelok
8172-0434	8272-0434	0-30 slpm	1/4" Swagelok
8173-0454	8273-0454	0-50 slpm	3/8" Swagelok
8173-0415	8273-0415	0-100 slpm	3/8" Swagelok
8173-0425	8273-0425	0-200 slpm	3/8" Swagelok
8173-0435	8273-0435	0-300 slpm	1/2" Swagelok
8173-0455	8273-0455	0-500 slpm	1/2" Swagelok
8173-0416	8273-0416	0-1000 slpm	3/4" Swagelok

Note: transducer assemblies can be purchased as stand alone units or as part of the 8170, 8270, or 8280 Mass Flow Systems.