



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

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.