MASS FLOW CONTROLLER SLA5800

SLA5800
Thermal Mass Flow Controller SLA5800



- Mass flow control and adjustment
- Flow range 0.003 - 2500 slpm
- Response time less than 1s

PRODUCT DESCRIPTION

The SLA5800 Series features the high accuracy, high zero stability and high repeatability you expect from the industry leader in mass flow measurement and control technology. Engineered with advanced, configurable multi-gas/multi-range capabilities, they offer a better zero drift specification compared to competitive products and have been proven to maintain factory calibration and accuracy longer.

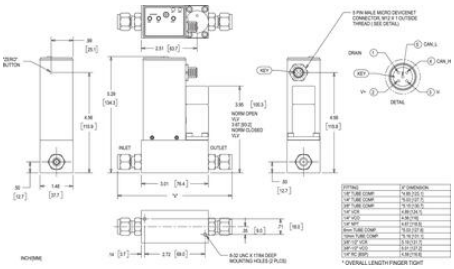
Features:

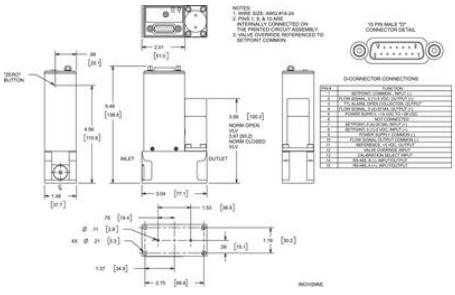
- Long-term zero stability of <0.2% full scale per year
- Excellent accuracy
- Wide range of flow ratings - from 0.003 up to 2500 lpm
- Highest pressure ratings - up to 1500 psi/100 bar (optional: 4500 psi/310 bar)
- Programmable multi-gas/multi-range capabilities
- Independent & easily accessible diagnostic/service portBroad array of available communication options now includes the EtherNet/IP™ protocol which features a web-based interface that lets you easily configure network settings
- Modular design is easy-to-service at the factory or in the field

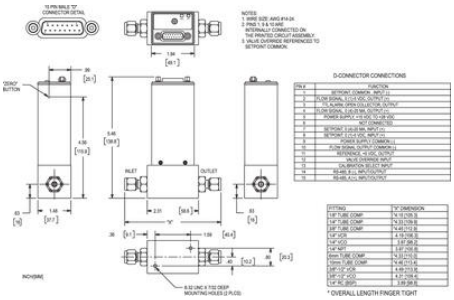
SPECIFICATIONS

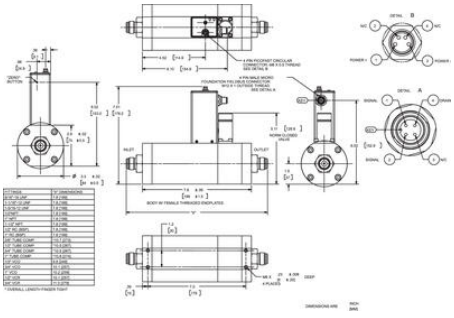
Approvals	ATEX, CE, IECEx, Pressure Equipment Directive, RoHS, UL
Burst Pressure	310 bar
Control range	50:1, 100:1 (Coplanar-valve) (”Full-Scale Flow” 1-50 Ln/min (N2 ekv.)
Differential Pressure Max	103 bar
Differential Pressure Min	0.35 bar
External Leakage	1x10-9 atm ml/s He
IP Class	IP40
Lowest flow	0,003-2500 ln/min

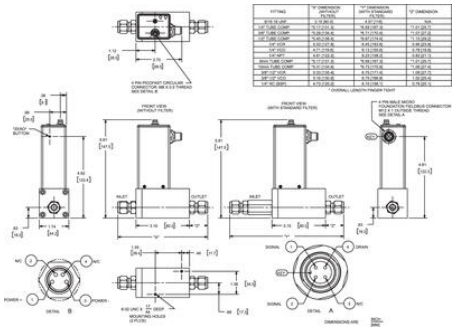
Materials O-Ring	Buna, EPDM, Kalrez, PTFE, Viton
Materials Wetted Parts	Buna, EPDM, Kalrez, PTFE, Stainless steel, Viton
Pressure Range Max	300 bar
Response time	<1s, >100l/min <3s
Supply Voltage DC Max	24 V DC
Supply Voltage DC Min	13.5 V DC
Temperature range bearing, from	-25 °C
Temperature range bearing, to	100 °C
Temperature range from	0 °C
Temperature range of media from	5 °C
Temperature range of media to	65 °C
Temperature range to	65 °C

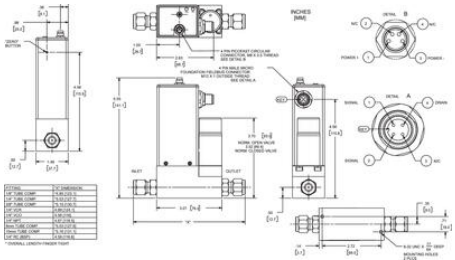


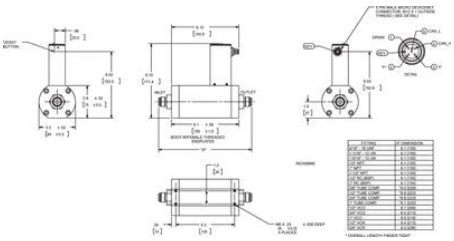


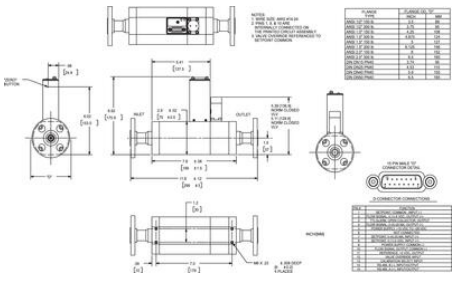


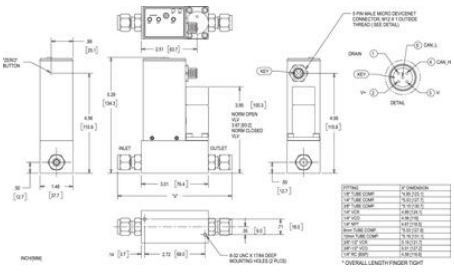


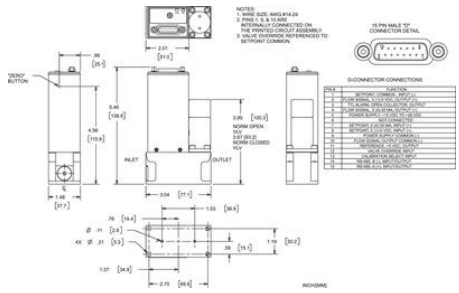


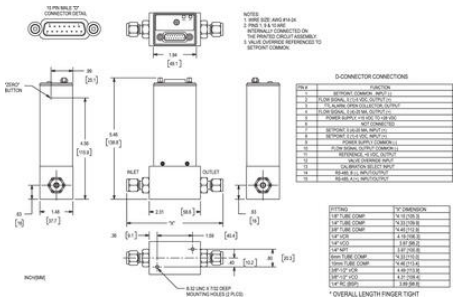


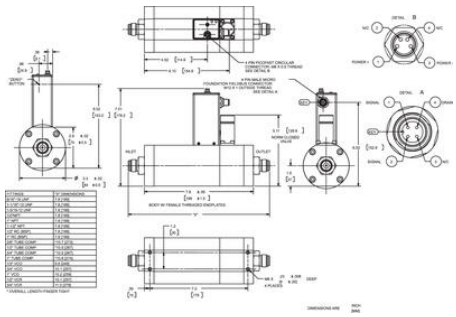


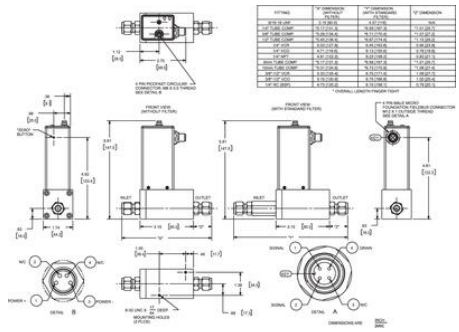






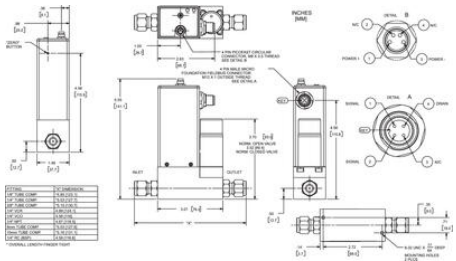






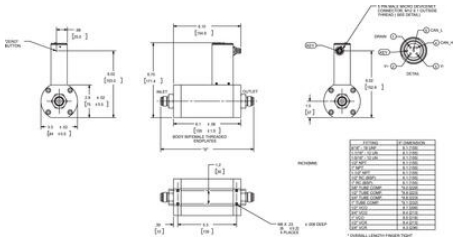
FITTING	"A" DIMENSION (WITHOUT FILTER)	"A" DIMENSION (WITH STANDARD FILTER)	"B" DIMENSION
8/16 "ID LEAF	6.18 [262.0]	4.57 [116]	N/A
1/2" TUBE COMP	6.13 [121.4]	6.65 [167..4]	1.21 [30.7]
3/8" TUBE COMP	6.06 [154.0]	6.72 [170.8]	1.21 [27.0]
1/2" TUBE COMP	6.06 [154.0]	6.72 [170.8]	1.21 [27.0]
1/4" VCO	5.63 [121.4]	6.65 [169.0]	0.95 [24.0]
1/4" VCO	4.71 [119.6]	6.13 [155.6]	0.79 [19.9]
1/4" NPT	5.81 [122.9]	6.23 [158.2]	0.95 [21.1]
6mm TUBE COMP	6.17 [121.3]	6.69 [161.3]	1.21 [25.7]
3/8" TUBE COMP	6.06 [154.0]	6.72 [170.8]	1.21 [30.7]
3/8" 1/2" VCO	6.06 [156.4]	6.73 [171.0]	1.95 [47.7]
3/8" 1/2" VCO	6.06 [156.8]	6.73 [166.8]	1.95 [29.4]
1/4" RC (BSP)	6.73 [130.2]	6.73 [130.1]	0.79 [20.1]

* OVERALL LENGTH FINGER TIGHT



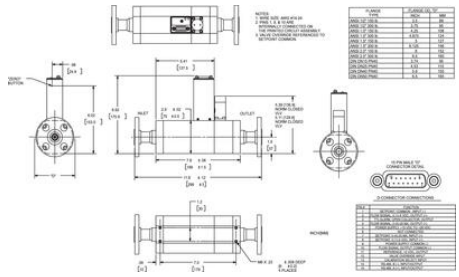
FITTING	"A" DIMENSION
1/2" TUBE COMP	6.13 [155.7]
3/8" TUBE COMP	6.72 [170.7]
1/4" VCO	6.65 [168.9]
1/4" VCO	6.65 [168.9]
1/4" NPT	6.87 [174.4]
6mm TUBE COMP	6.72 [170.7]
3/8" TUBE COMP	6.72 [170.7]
3/8" 1/2" VCO	6.73 [170.9]
1/4" RC (BSP)	6.73 [170.9]

* OVERALL LENGTH FINGER TIGHT



FITTING	"A" DIMENSION
8/16" - 18 UNF	6.17 [156]
1/2 NPT - 18 UNF	6.17 [156]
1/4" NPT	6.17 [156]
1/4" RC (BSP)	6.17 [156]
1/4" TUBE COMP	6.17 [156]
3/8" TUBE COMP	6.17 [156]
1/2" TUBE COMP	6.17 [156]
1/4" VCO	6.17 [156]
1/4" VCO	6.17 [156]
1/4" VCO	6.17 [156]

* OVERALL LENGTH FINGER TIGHT



FLANGE	FLANGE ON "D"
SIZE	MM
ANSI 1/2" 300 RF	95
ANSI 1/2" 600 RF	95
ANSI 1" 150 RF	108
ANSI 1" 300 RF	124
ANSI 1" 600 RF	124
ANSI 2" 150 RF	152
ANSI 2" 300 RF	165
ANSI 2" 600 RF	165
DIN DN15 PN40	95
DIN DN15 PN63	95
DIN DN25 PN40	115
DIN DN25 PN63	115
DIN DN40 PN63	150