

# ACCESSORIES

## Power Supplies

Power supplies are typically ordered to facilitate “out of box” use of Alicat devices when it is inconvenient or impossible to provide DC power to a device through the electrical connector.

**PVPS:** This is an unregulated 12 Vdc, 120VAC, US plug style wall adapter. It may be used with M, V, L, P Series devices or small valve controllers. If you have ordered a customized pressure drop or orifice sized unit, a 24Vdc power supply may be required.

**PVPS24:** This is an unregulated 24 Vdc, 120VAC, US plug style wall adapter. It may be used with MCR, VCR, LCR and PCR controllers. If you have ordered a customized pressure drop or orifice sized unit, a 24Vdc power supply may be required for other model types.

**PVPSE:** Same as PVPS, but 220VAC, European rounded plug style wall adapter.

**PVPS24E:** Same as PVPS24, but 220VAC, European rounded plug style wall adapter.



**BB-9 Multi-Drop Box** makes it convenient to wire multiple flow and/or pressure devices to a single RS-232 port. The Multi-Drop Box has nine 8 pin mini-DIN ports available. The ports are to be used with a standard double ended 8 pin mini-DIN (DC-62) style cable going from the box to each flow or pressure device. A single DB9 D-SUB type connector (COM PORT) connects, using the included cable, to the serial connector on a PC or laptop. All of the flow and/or pressure devices are powered via a terminal block on the front of the box. If more than nine devices will be required, additional Multi-Drop Boxes can be daisy chained together with a double ended 8 pin mini-DIN cable plugged into any receptacle on both boxes.



**RS-232 to RS-485 Converter** Since most computers have RS-232 communication onboard, Alicat has chosen RS-232 as the digital standard on all of its flow instruments. For those using RS-485 as their primary standard, our RS-232 to RS-485 converter will allow interface between an RS-485 system and Alicat’s flow instrumentation.

## Fittings, Filters and Adapters

We carry a full line of Swagelock® compression fittings in 316 stainless steel. Other fittings and filters are available upon request.



	ALICAT DEVICE PROCESS CONNECTION				
	M5 (10-32)*	1/8"	1/4"	1/2"	3/4"
<b>COMPRESSION FITTINGS</b>					
1/8"	SS-200-1-0157	SS-200-1-2	SS-200-1-4	SS-200-1-8	
1/4"	SS-400-1-0256	SS-400-1-2	SS-400-1-4	SS-400-1-8	SS-400-1-12
1/2"		SS-810-1-2	SS-810-1-4	SS-810-1-8	SS-810-1-12
3/4"				SS-1210-1-8	SS-1210-1-12
3mm		SS-3M0-1-2	SS-3M0-1-4		
4mm		SS-4M0-1-2	SS-4M0-1-4		
6mm		SS-6M0-1-2	SS-6M0-1-4	SS-6M0-1-8	
8mm		SS-8M0-1-2	SS-8M0-1-4	SS-8M0-1-8	
12mm		SS-12M0-1-2	SS-12M0-1-4	SS-12M0-1-8	SS-12M0-1-12
16mm				SS-16M0-1-8	SS-16M0-1-12
<b>FILTERS</b>					
10 micron		2F-F2L-10-B			
20 micron	CF-303-20-316				
50 micron		2F-F2L-50-B	4F-F4L-50-B	8F-F8L-50-B	12F-F12L-50-B
<b>ADAPTER</b>	410133	Male M5 (10-32) Buna-N O-ring face seal to 1/8" Female NPT			

\*Our micro-flow devices (i.e. gases  $\leq 50$ SCCM full scale and water  $\leq 1$ CCM full scale) utilize an M5 (10-32) thread female process connection. This connection was chosen to make it possible for end users to minimize dead volume throughout their system by providing a thread that is compatible with miniature process connections.

# Connecting Cables - Recommended Accessory

The electrical connector on all Alicat units is female. Male electrical connecting cables can be ordered for the following purposes:

- To provide power to the unit from a customer supplied dc voltage source
- To access output and input signals in communication
- To activate remote tare

**DC-61:** 8-pin circular mini-din connector cable. 6' long with one male mating connector. The opposite end is blunt cut with color-coded wires.

**DC-251:** Identical to DC-61, except 25' long cable.

**DC-6RT:** Lower profile alternative. This is a right angle, 8-pin circular mini-din connector cable at 6' long with one male mating connector. The opposite end is blunt cut with color-coded wires.

**DC-62:** Double-ended male 8-pin circular mini-din connector cable in 6' length. It is a straight pin-to-pin cable. This cable is supplied with the LSPM.

**DC-252:** Identical to DC-62, except 25' long cable.

**IC-10:** 6-pin industrial style locking cable for use with the "I" industrial connection option, 10' long with one male mating connector. Opposite end is blunt cut with color-coded wires. Cable reduces variety of optional signal configurations.

**MD8DB9:** Male 8-pin circular din to female DB9 adapter cable, 6" long, typically used to simplify connection direct to a PC, but will not pass through power to the unit.

