



## TECHNICAL DATA SHEET

### FluidFlex Pressurized Dispensing System

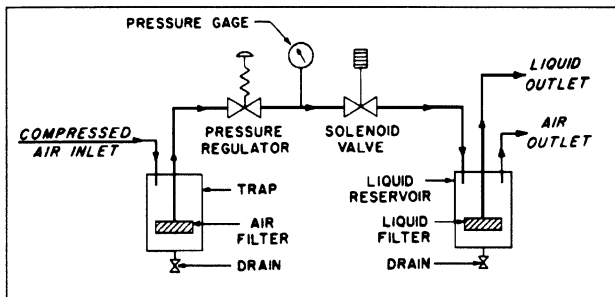
Units UB (1 Gal.) and UC (5 Gal.)

#### Description

Self-contained assembly including a reservoir, air filter, water trap, pressure regulator and operating solenoid valve.

Pressurized unit dispenses a wide variety of fluids, eg: water to heavy viscous lubricants. For additional application information, refer to Bulletin No. 161.

#### Unit Flow Diagram

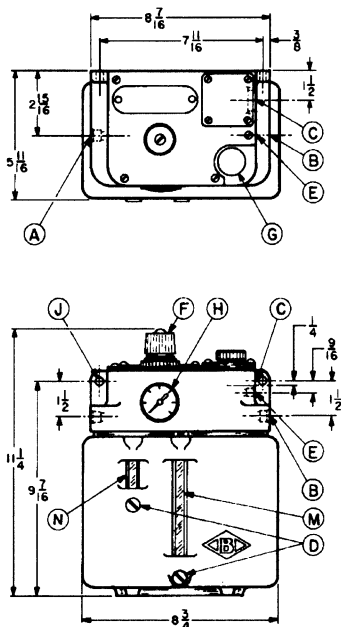


Reservoir Capacity				Solenoid Characteristics			
One Gallon		Five Gallon		Voltage Rating		Current Draw – Amperes	
Type	Part No.	Type	Part No.	60 Hz	50 Hz	In Rush 50/60 Hz	Holding 50/60 Hz
UBA	D153	UCA	D156	120	110	.2	.1
UBB	D154	UCB	D157	240	220	.1	.07
UBC	D155	UCC	D158	480	440	.05	.03

#### Technical Data

- Maximum Inlet Air Pressure: 125 psi
- Normal Operating Pressure: 15 to 40 psi  
(50 lb. relief valve provided with five gallon unit)

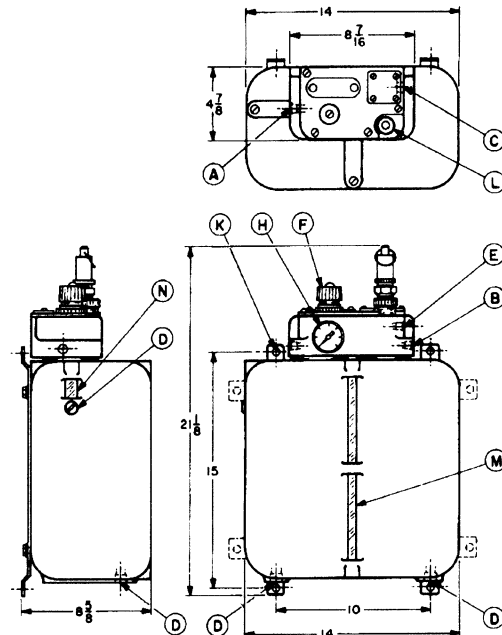
Type UB – One Gallon Capacity



- A – Air Inlet (1/4" Pipe Thread)  
B – Air Outlet (1/4" Pipe Thread)  
C – Conduit Connection (1/2" Pipe Thread)  
D – Drain

- E – Liquid Outlet (1/8" Pipe Thread)  
F – Pressure Regulator Adjustment  
G – Filler Plug  
H – Pressure Gauge

Type UC – Five Gallon Capacity



- J – Two Mounting Holes for 1/4" Screws (UB)  
K – Four Mounting Holes for 5/16" Screws (UC)  
L – Filler Plug & Valve Assembly  
M – Liquid Level Gauge  
N – Trap Level Gauge

Illustrations and specifications are not binding in detail. Designs are subject to modification and improvement without notice.

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## SERVICE INSTRUCTION SHEET

### FluidFlex Pressurized Dispensing System

Types UB (1 Gal.) and UC (5 Gal.)

#### General

The FluidFlex/Spraymist Unit consists of a built-in air filter, water trap, air regulator, pressure gauge, solenoid valve, conduit box, pressurized coolant reservoir and liquid filter.

#### Coolant

Use water base coolant – either synthetic or emulsion – as recommended by the machine manufacturer (generally in mixes of one part coolant to 50-100 parts water). Mineral or vegetable based oils may be used. Warning: Never open filler cap when unit is in operation.

#### Starting the Machine

Fill liquid reservoir to, but never above, indication line. Energize solenoid, then check for desired air pressure. Adjust pressure regulator to desired pressure.

#### Maintenance

Check liquid level daily and refill reservoir when required. Filters should be checked periodically and cleaned or replaced if necessary. Accumulated water and dirt in air reservoir should be drained when necessary.

#### Service

**Sputtering of Jets:** Check for clogged tip or worn insert at inlet end of tip.

**Chattering of Unit When Turned On:** Check electrical supply line for low voltage.

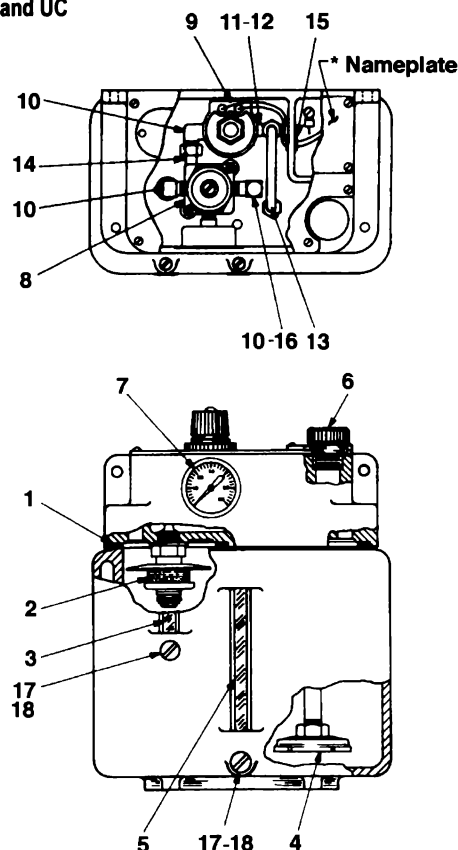
**No Delivery of Air or Coolant:** Check for burned out solenoid or loose wire connection.

**Inability to Regulate Air Pressure:** Check pressure regulator and pressure gauge for proper operation. Replace if necessary.

#### Service Parts

Order by part number and name shown in chart. You must specify complete FluidFlex/Spraymist unit type, symbol, and serial letters shown on nameplate. For major repairs requiring parts not identified on the drawing, return unit for factory rebuilding and adjustment. If a new unit is required for replacement, order by correct type and serial letters shown on nameplate.

Types UB and UC



Item	Part #	Description
1	B6275	Reservoir Gasket
2	S205	Air Filter Group
3	S216	Air Sight Gauge Group
4	S181	Liquid Filter Group
5	S208	Liquid Sight Gauge Group (for UB)
5	S217	Liquid Sight Gauge Group (for UC)
6	B6303	Filler Plug Assembly
7	B10114	Pressure Gauge
8	B9779	Regulator
9	B9960	Solenoid Coil (for 24 VAC)
	C3245-1	Solenoid Coil (for 120 VAC)
	C3245-2	Solenoid Coil (for 240 VAC)
	C3245-3	Solenoid Coil (for 480 VAC)
10	B7743	Elbow Adapter
11	A2833	Elbow Connector
12	B6086	Straight Adapter
13	B9781	Tubing Assembly
14	B9778	Tubing Assembly
15	HO459	Grommet
16	B1936	Elbow Connector
17	B7305	Drain Plug
18	HO403	Drain Plug Seal

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