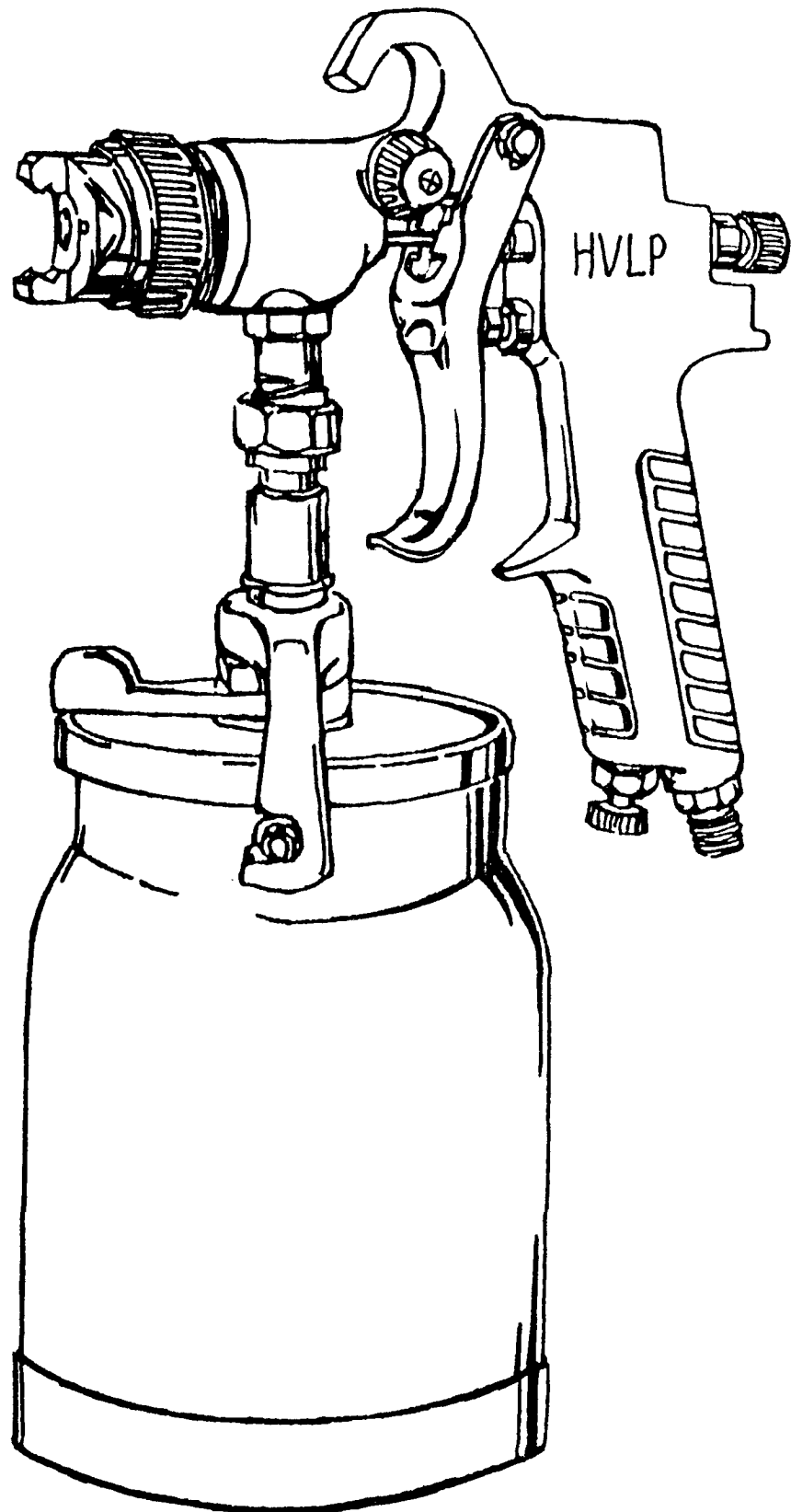


# HIGH VOLUME LOW PRESSURE

H868W/HVLP

P.5200



## SPECIFICATION:

- Fluid orifice.....☐1.0MM. ☐1.4MM. ☐1.7MM  
☒2.0MM. ☐2.3MM
- Pressure required.....30~43psi
- Compressor required.....1HP
- Air connection ..... 1/4" NPS(M)
- Approx. wt ..... 1kg
- Cup ..... 1 ℓ

## CONTAINS:

- H868W/HVLP Spray gun ..... 1
- 1 ℓ cup ..... 1
- Tool set ..... 1
- Throttle sarainer ..... 1

## Operation:

### 1. Starting

- a. Use spanner to tighten the nozzle.
- b. Check for correct tightening of stuffing box to avoid any air leakage.
- c. Air hose should be blow out before fitting with the air connection.
- d. Before using this gun, please make sure that it is carefully flushed w/solvent.

## **2. Adjustment of the jet width**

To adjust jet width, rotate the stepless adjuster. The spray pattern can be altered from flat to round spray as required.

## **3. Air quantity control**

To set the air to material ratio, adjust the stepless air micrometer. While gun is in operation, never dismantle hollow screw for removal of micrometer by hexagon socket screw key.

## **4. Exchange of nozzle set**

When changing to another nozzle size, make sure that the complete nozzle set is exchanged. A set comprises of air cap, paint needle and paint nozzle. Insert paint nozzle before putting in paint needle.

## **5. Exchange of the self tensioning sealings**

The needle seal is effected by a teflon seal and a needle packing with self-tensioning compression spring. To change the packing please use the socket spanner provided.

## **6. Cleaning and gun care**

- a) Flush gun thoroughly with solvent.
- b) Clean air nozzle with brush. Do not place the gun into solvent.
- c) Clogged holes should never be cleaned with improper objects, as the smallest amount of damage may badly influence the spray pattern.
- d) Slightly oil movable parts.

## 7. Internal nozzle pressure


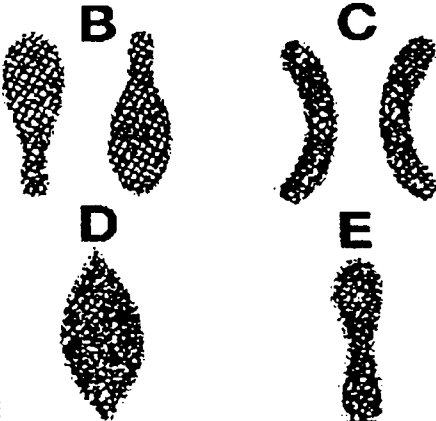
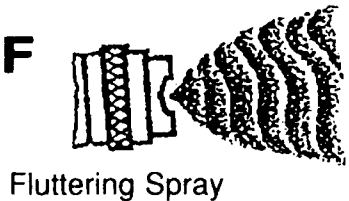
a) At an entrance pressure of 43 psi and more at the air inlet, the internal nozzle pressure exceeds 10 psi.

Model	Feed Type	Nozzle Set (mm)	Air Pressure kg/cm <sup>2</sup> (Psi)	Capacity of Cup. ℓ	K W HP
H868W	Suction	φ 1.4	2 ~ 3.5 (30 ~ 45)	1.0	0.75 ~ 1.5 1-2
		φ 1.7			
HVLP		φ 2.0			
		φ 2.3			
H868W -P	Pressure	φ 1.0	2 ~ 3.5 (30 ~ 45)	2.0 2 $\frac{1}{4}$ (GALLON)	0.75 ~ 1.5 1-2

Weight kg	Air Inlet	Fluid Inlet	Air Consu -Mption L/min(CFM)	Approx Material Flow	Remark Rev
1.4	1/4 <sup>ps</sup> NPS	3/8 <sup>ps</sup> NPS	457 (16)	100 ) 190	Max Pressure At The Head :0.7 bar-10psi
2.3	1/4 <sup>ps</sup> NPS	3/8 <sup>ps</sup> NPS	420 (14.7)	200 ) 240	Jark Pressure 0.2psi ) 0.6psi

## SERVICE CHECKS

### CONDITION

 <p>NORMAL SPRAY PATTERN</p>		 <p>Fluttering Spray</p> <p>Fluid leakage from packing nut.</p>
<p><b>A</b> Will not spray</p>		

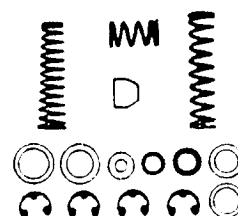
Condition	Cause	Correction
<b>A</b>	1. No pressure at gun	1. Check air lines
	2. Fluid adjusting screw not properly adjusted	2. Adjust, see operation
	3. Gun or cup material passages blocked	3. Clean
<b>B-C</b>	1. Material build up on air cap	1. Clean cap/tip
	2. Worn or damaged gasket (5)	2. replace gasket
<b>D-E</b>	1. Incorrect material flow or viscosity	1. adjust viscosity or flow
<b>F</b>	1. Insufficient material in cup	1. Fill cup
	2. Gun or cup material passage blocked	2. Clean
	3. Worn packing or loose packing nut	3. Replace or tighten
	4. Damaged or loose fluid tip	4. Replace or tighten
<b>G</b>	1. Packing nut loose, packing dry	1. Tighten or lubricate
	2. Worn needle	2. Replace

# PARTS LIST

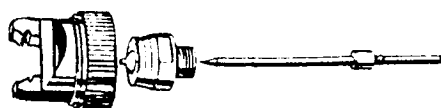
Hem No.	Description	Hem No.	Description
1	Air Nozzle	25	Siphon Tube
2	Ring	26	ARM
3	Brass Cap	27	Release Lever
4	Fluid Nozzle	28	Cannister Lid
5	Pacing screw for Paint Needle	29	Nut
6	Taflon Seal	30	Gasket
7	Washer	31	Anti Leaking Gasket
8	Scrow	32	Material Sleeve(Filters)
9	Brass Ring	33	1L cup
10	Gasket	34	Screw
11	Connector for 0.6 ℓ Cup	35	O Ring
12	Gun Body	36	Nut
13	Screw	37	Stem
13A	Air Valve Ass'y	38	Teflon Seal
13C	Teflon seel	39	Air Adjusting Valve Ass'y
13D	Bvoly	40	Spanner
13E	P. C. seal	41	Socket Spanner
13F	Valve	42	Brush
13G	Valve		
13H	Scrow		
14	Washer		
14A	Spray Regulating Screw		
14B	Spray Regulating Nut		
14C	O-Ring		
15	Control Knob		
15A	Countersunk Screw		
16	Paint Needle-Complete		
17	Spring for Paint Needle		
18	Washer		
19	Housing		
20	Fluid control Knob		
21	Screw		
22	Pin		
23	Trigger		
24	Air Connection Piece 1/4" BSP		



H868W-C 1 ℓ cup(Complete set)



H868W-R Repair Kit for spray gun  
PARTS NO:06 07 08 13C 13E  
13H 14×4 14C 17 18×2 35



H868W-K/H Nozzle set (1.0mm 1.4mm 1.7mm  
2.0mm 2.3mm)

