

GROVER AIR-OPERATED PRESSURE CLEANING AND FOAMER PUMPS



TO 2500 PSI
TO 15 GPM

APPLICATIONS

- HIGH PRESSURE WASHING
- PRE-PAINT SURFACE PREPARATION
- PLANT MAINTENANCE
- INDUSTRIAL CLEANING

PUMP MODELS AVAILABLE

- 55-GALLON 2" BUNG DRUM
- 55-GALLON OPEN TOP DRUM
- CART AND STAND MOUNTED
- WALL MOUNTED

"ROYAL" AND "ROCKET" SERIES PUMPS

- DIVORCED DESIGN
- AIR MOTOR MUFFLERS
- AIR MOTOR SHROUDS
- WET-CUP DESIGN

PUMP PRESSURE RATIOS

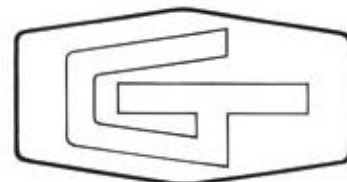
- 2:1 TO 25:1

PUMP WETTED PARTS AVAILABLE

- STAINLESS STEEL WITH TEFLON (BUNA N OPTIONAL)
- CARBON STEEL WITH TEFLON (SELECTED FOAMER PUMPS)

ACCESSORIES (SEE SECTION 7)

- SPRAY GUNS • SPRAY WANDS
- WALL AND DRUM BRACKETS
- SURGE CHAMBER ASSEMBLIES
- HOSE • CARTS • SPRAY TIPS



Since 1925



PRESSURE CLEANING AND FOAMER PUMPS

TYPICAL CLEANING APPLICATIONS

- High pressure washing of cars, trucks, engines, construction equipment and industrial machinery
- Cleaning and sanitizing in food, chemical and pharmaceutical industry
- General plant maintenance
- Pre-paint surface preparation
- Aircraft maintenance
- Agricultural industry
- Railroad industry

TYPICAL CLEANING SOLUTIONS

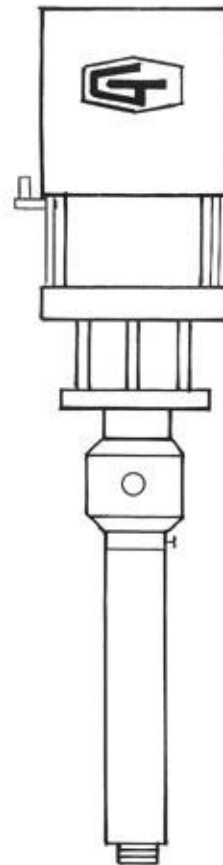
- Aluminum brighteners
- Paint strippers
- Chlorinated chemicals
- Foaming agents
- Phosphate solutions
- Degreasers
- Detergents

GROVER PRESSURE CLEANING AND FOAMER PUMPS ARE UNSURPASSED IN RELIABILITY AND PERFORMANCE. THERE IS A GROVER PUMP HAVING A RATIO AND FLOW RATE TO MATCH PRACTICALLY ANY CLEANING APPLICATION.

Grover reliable pump performance comes from over 50 years experience in pump design. All pumps are double action and pump equally on both strokes to assure a constant material flow. Air driven pumps stall out against pressure, permitting flow control from zero to maximum capacity. Grover pump stems give extra large material passage space to allow greater volume output of cleaning solutions.

Grover pumps offer a combination of power, efficiency, volume and low maintenance in all high pressure cleaning and foaming applications. Air operated cleaning pumps developing material pressures to 2500 PSI and capacities to 15 GPM are available in stainless steel construction with Teflon cups.

New "Rocket" and "Royal" series pumps feature Grover's exclusive wet-cup design, air motor mufflers and protective shroud.

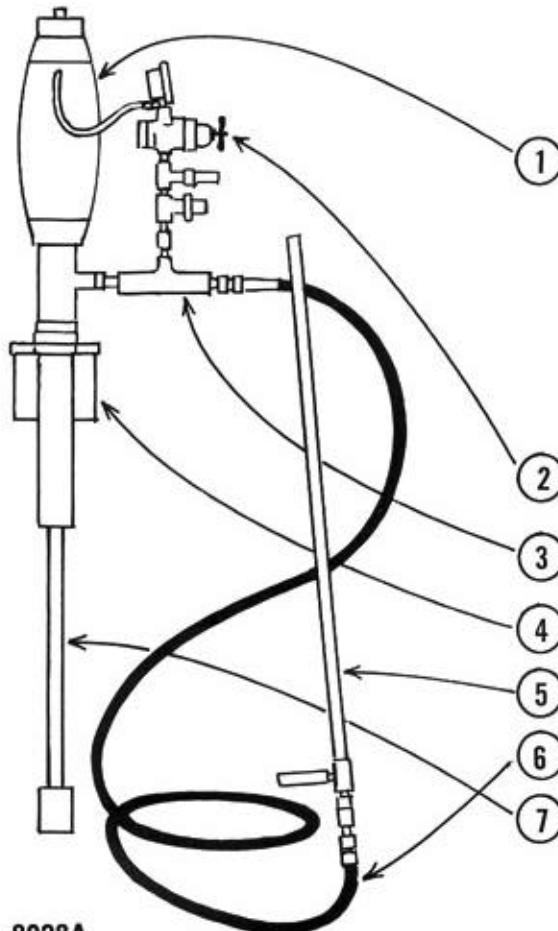




FOAMER PUMPS

2:1 Ratio • 2½ GPM

4:1 Ratio • 3 GPM



8028A

Above components may be ordered separately.

NOTE: Foamer pump air motors include muffler for quiet operation.

55-GALLON FOAMER OUTFITS

STAINLESS STEEL MODEL 8028A includes R2-B24-A 2:1 ratio pump, 367P air regulator and gauge assembly, 4980 FKS foamer assembly, 8354A drum bracket, 8026 foamer nozzle assembly, 7300-P material hose and 8348 siphon tube with filter.

STAINLESS STEEL MODEL 8036A includes R3-B24-A 4:1 ratio pump, 367P air regulator and gauge assembly, 4980 FKS foamer assembly, 8354A drum bracket, 8026 foamer nozzle assembly, 7300-P material hose and 8348 siphon tube with filter.

GET MORE WORK FROM YOUR CLEANING CHEMICALS:

- Extend cleaning soaking action time
- Hang cleaning agents on vertical or overhead surfaces.
- Reduce cleaning solution volume

- 1 Air-operated pump — select from following:
 - a. R2-B24-A 2:1 ratio pump with all stainless steel stem and Teflon cups.
 - b. R3-B24-A 4:1 ratio pump with all stainless steel stem and Teflon cups.
- 2 367P air regulator and gauge assembly.
- 3 4980FKS foamer assembly (includes 367BP air regulator and gauge and stainless steel check valve).
- 4 8354A drum bracket (required for open-top drums).
- 5 8026 foamer nozzle assembly (¾" I.D. by 33").
- 6 7300-P ¾" I.D. by 25'-0" material hose.
- 7 8348 55-gallon siphon tube and filter screen.

FOAMER PUMP SPECIFICATIONS

	R3-B24-A	R2-B24-A
Fluid Pressure Ratio	4:1	2:1
Delivery (Maximum)	3 gpm	2½ gpm
Cycles per Gallon	22	22
Pump Stroke	4½"	4½"
Maximum Discharge Pressure	400 psi	200 psi
Air Consumption	3.4 cfm per gal. at 60 psi	1.7 cfm per gal. at 60 psi
Air Inlet (with reg.)	¼" npt (F)	¼" npt (F)
Material Outlet	¾" npt (F)	¾" npt (F)

SET-UP OF EQUIPMENT

1. Install pump in 55-gallon drum containing mixture per chemical suppliers recommendation.
2. Adjust air regulators counter clockwise to 0 psig.
3. Attach main air line to pump (¾" I.D. minimum hose size).
4. Attach material hose and foamer nozzle assembly to material outlet on foamer assembly.
5. Open valve on foamer nozzle assembly.
6. Adjust pump air regulator (turn clockwise) for adequate material flow rate. Approximately 60 psig with 4:1 ratio pumps and 80 psig with 2:1 ratio pumps.
7. After material flows from nozzle, adjust foamer air regulator (turn clockwise) to approximately 70 psig.