

INSTRUCTIONS-PARTS LIST

306-933

Rev. B
SUPERSEDES 4-74

This manual contains **IMPORTANT**
WARNINGS and **INSTRUCTIONS**
READ AND RETAIN FOR REFERENCE

For Hydra-Clean Pressure Washers

AIR CHARGED ACCUMULATOR

1500 psi (103 bar) MAXIMUM WORKING PRESSURE

Model 207-278 Series B

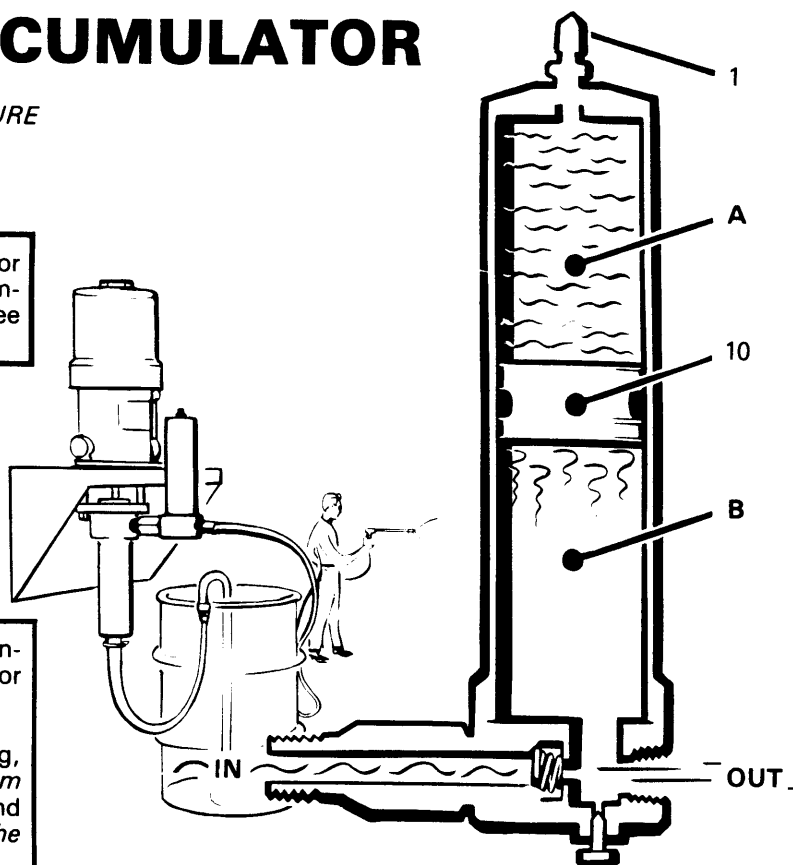
CAUTION

The Graco warranty will not apply if abrasive or corrosive materials other than those Graco recommends are used with this accumulator. See Technical Data on back page for wetted parts.

WARNING

High pressure spray can cause serious personal injury. NEVER point the spray nozzle at yourself or anyone else.

Always relieve system pressure before servicing, cleaning or removing any parts. *To relieve system pressure*, shut off pump, trigger spray gun, and engage trigger safety. *To relieve air pressure in the accumulator*, depress air valve (1).



INSTALLATION

Using thread sealant on male threads, install accumulator between pump outlet and fluid hose.

Hold spray valve open, with nozzle aimed into a pail or

the ground, and start pump. When all air is purged from the lines, the accumulator's fluid chamber (B) will fill with fluid and provide pressure needed to compensate for sudden drops in line pressure, giving a steady spray.

SERVICE

If there is excessive line pulsation, stop pump and relieve system pressure. See WARNING above. Charge accumulator through air valve (1) to as near 200 psi (14 bar) as possible. Start pump immediately and open spray valve. If there is still excessive line pulsation, check other system components. If pulsations have smoothed out, check air valve for leaking. See below.

Air Valve Leakage

Before disassembling accumulator, check air valve (1) for leakage. Remove air valve cap and recharge air chamber (A) to as near to 200 psi (14 bar) as possible. Wet valve stem and watch for bubbling, indicating leakage. If it leaks, depress air valve to relieve air pressure, then replace valve.

If air valve does not leak, relieve system pressure and pressure in accumulator. See WARNING above. Then disassemble accumulator. Screw cylinder (15) out of base (9) and remove piston (10). Screw inlet adapter (11) out of pump, then out of accumulator base and remove poppet (6) and spring (12). See Parts Drawing.

Clean and inspect all parts. Check piston and cylinder walls for pitting or scoring. Check valve poppet and seat for wear or damage. Replace parts as necessary. Lubricate piston seal (3) before reassembling.

Reassemble accumulator, mount onto pump and connect fluid hose. Charge cylinder with 85 - 200 psi (6-14 bar) pressure, start pump, and check accumulator for air or fluid leaks.

PARTS LIST

REF NO.	PART NO.	DESCRIPTION	QTY
1	104-031	VALVE, tank	1
2	*155-463	SEAL, o-ring; nitrile rubber	1
3	*164-627	SEAL, piston; nitrile rubber	1
4	*164-964	SEAL, o-ring; Teflon	1
5	*165-292	BEARING, piston; Teflon tape	2
6	*165-843	POPPET, fluid check valve	1
7	166-247	BODY, drain valve	1
8	166-248	NEEDLE, drain valve	1
9	167-623	HOUSING, accumulator	1
10	167-624	PISTON, accumulator	1
11	167-625	ADAPTER, inlet, 1/2 npt(m)	1
12	*167-626	SPRING, helical compression	1
13	169-578	LABEL, warning	1
14	169-579	LABEL, warning	1
15	207-334	CYLINDER, accumulator	1

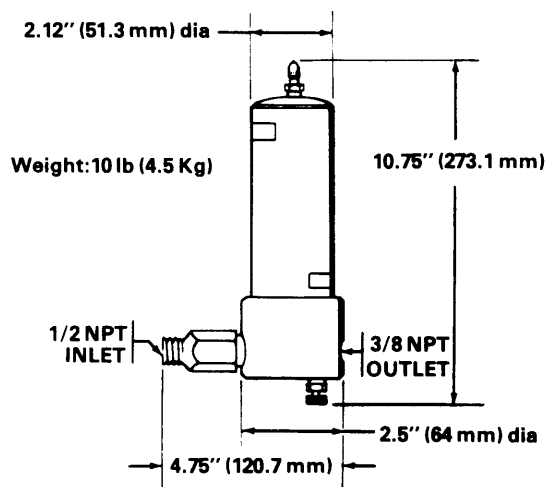
**Recommended "tool box" spare parts. Keep on hand to reduce down time.*

Order parts by name and series letter of the assembly for which you are ordering.

SERVICE INFORMATION

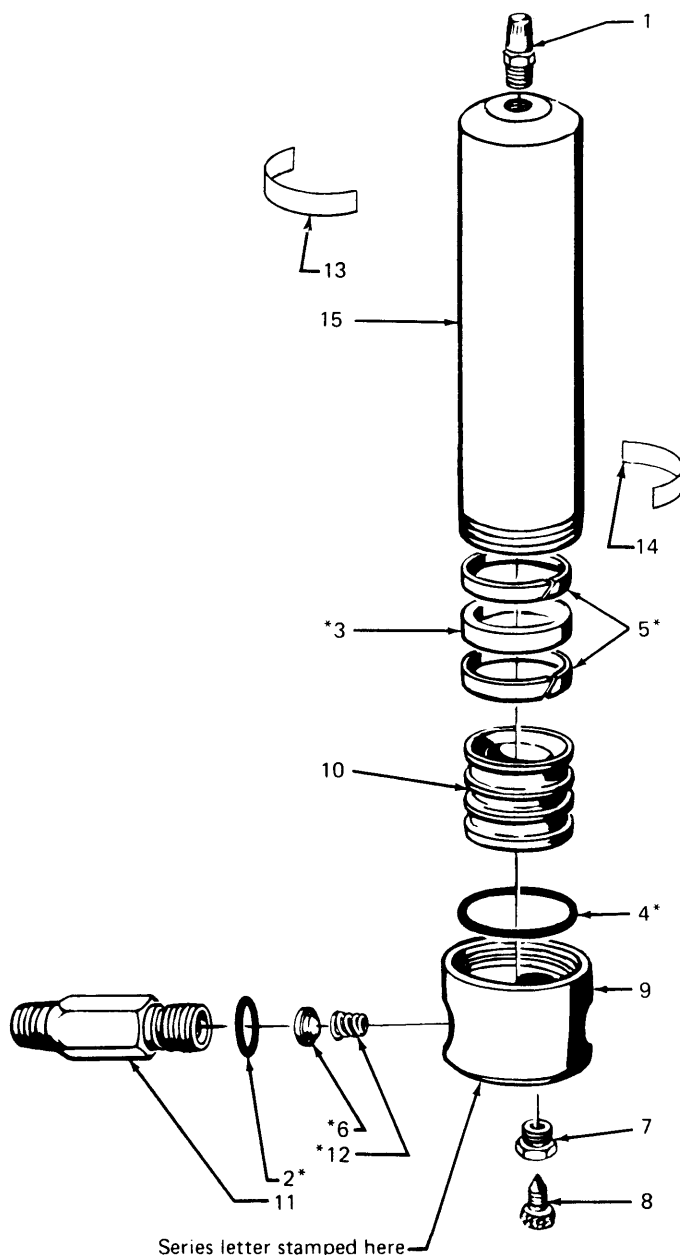
No parts change. Manual update only.

DIMENSIONAL DRAWING



PARTS DRAWING

Model 207-278 Series B



TECHNICAL DATA

Initial air pressure	: 50-200 psi (4-14 bar)
Maximum working pressure	: 1500 psi (103 bar)
Inlet	: 1/2 npt(m)
Outlet	: 3/8 npt(f)
Cylinder volume	: 18 cu. in. (0.3 liter)
Wetted parts	: 302 & 303 Stainless Steel; Nickel Plated Brass; Teflon; Nitrile Rubber

Factory Branches: Atlanta, Cleveland, Dallas, Detroit (Southfield), Los Angeles, West Caldwell (N.J.)
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