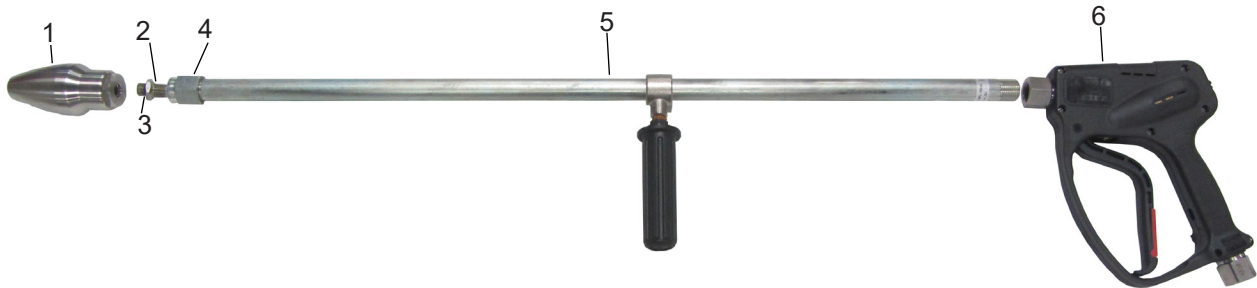


Model 17461

High Pressure Gun Assembly



PARTS LIST

<u>Item</u>	<u>Part #</u>	<u>Description</u>	<u>Qty.</u>
1	22400-60	Turbo Nozzle	1
2	06581M-0400	Adapter	1
3	12017	O-Ring	1
4	04172	Nozzle Holder	1
5	04343	Lance Assembly	1
6	21650	Shut off Gun	1

OPERATING SPECIFICATIONS

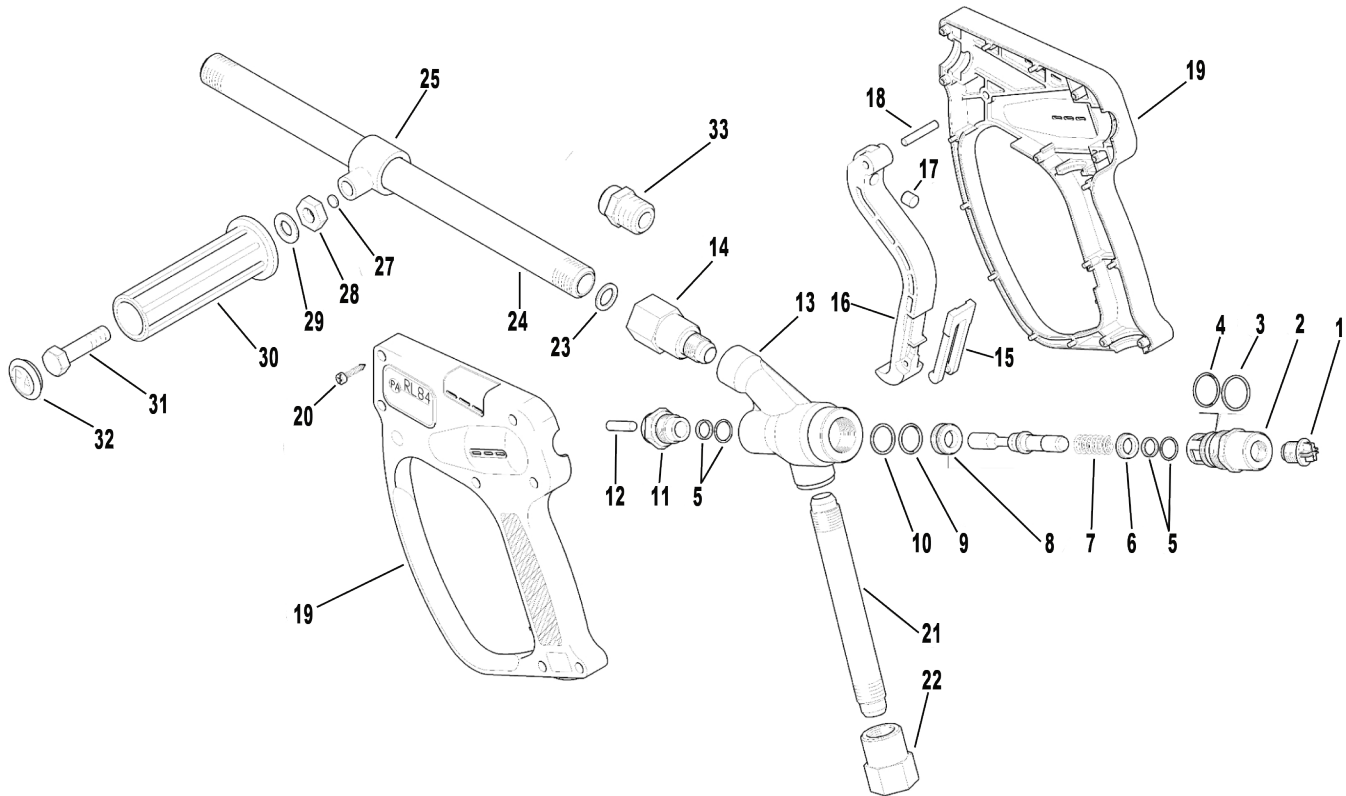
	<u>U.S.</u>	<u>Metric</u>
Max. Flow:	21.1 GPM	80 L/min
Rated Pressure:	7250 PSI	500 Bar
Permissible Pressure:	8120 PSI	560 Bar
Max.Temp.:	212° F	100° C
Inlet Port:		1/2" BSP

NOTE: The gun has been deisned for continuous use at a water temperature of 140° F (60° C). It can only operate at 212° F (100° C) for short periods of time.



WARNING
HIGH PRESSURE
DO NOT POINT AT INDIVIDUAL
MAY CAUSE SERIOUS INJURY!

Exploded View, Parts List, and Kits - 21260



<u>ITEM</u>	<u>PART</u>	<u>DESCRIPTION</u>	<u>QTY.</u>	<u>ITEM</u>	<u>PART</u>	<u>DESCRIPTION</u>	<u>QTY.</u>
1	04038	Plug	1	25	04084	Tube Fastener	1
2	04344	Spring Holder	1	26	04172	Nozzle Holder, 1/2" FBSP x 1/4" FNPT	1
3	04345	Back-Up Ring	1	27	21771	Copper Spacer	2
4	08564	O-Ring	1	28	04085	Hex Nut	1
5	04310	Stem Seal	2	29	04086	Washer	1
6	04308	Spring Ring	1	30	13062	Plastic Handle	1
7	04309	Spring	1	31	04087	Screw for Handle	1
8	04346	Piston and Seat	1	32	04088	Handle Cover	1
9	08573	O-Ring	1				
10	04347	Back-Up Ring	1				
11	04304	Guide Sleeve	1				
12	04348	Control Bolt	1				
13	04349	Valve Body	1				
14	04350	Discharge Fitting	1				
15	04048	Safety Latch	1				
16	04049	Trigger, Black	1				
17	04351	Cam	1				
18	05990	Parallel Pin	1				
19	04352	Housing and Screws	1				
20	04052	Self-Tapping Screws	7				
21	04353	Inlet Tube	1				
22	04354	Inlet Fitting	1				
24	04356	Extension Tube, 31"	1				

Gun Repair Kit #09769

includes 3, 4, 5, 7, 8, 9, and 10

Complete Lance Knob Repair Kit #09745

includes 25, 27, 28, 29, 30, 31, and 32

Knob Repair Kit #09745

includes 28, 29, 30, 31, and 32

Instructions

This product is to be utilized with clean fresh water, even slightly additivated with normal detergents. For use involving different or corrosive liquids, contact Giant Industries. Appropriate filtration should be installed when using unclean liquids. Choose the gun in line with the data of nominal running (system rated pressure, max flow and max temperature). In any case, the pressure of the machine should not exceed the permissible pressure rating imprinted on the gun.

Installation

This gun was designed to operate with **hot water** (in compliance with technical specifications). Make sure there is a safety device attached to prevent accidental increase in temperature. **Always fit a safety valve to protect the discharge plumbing when it is under pressure.** Choose a suitable nozzle and adjust the valve mounted in the front of the gun, in order to obtain a constant supply and avoid a pressure spike (when closing the system). If the nozzle wears out, the pressure falls. When you install a new nozzle, adjust the system back to the original pressure.

Operation

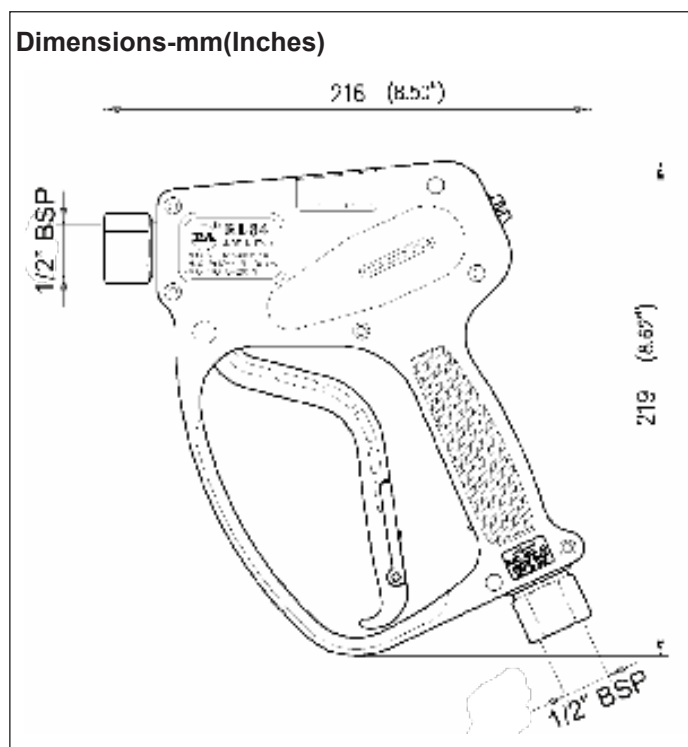
The gun opens and closes a high pressure conduct by means of a piston action on a seat; the return is controlled by a spring which releases the trigger.

Water Hose Feed

If there is fluctuating and high inlet pressure to the pump, it might be necessary to install a pressure reducer, which would level the flow rate on delivery and to protect the system components.

PROBLEMS AND SOLUTIONS

PROBLEMS	PROBABLE CAUSES	SOLUTIONS
Leakage from the nozzle side of the gun	Presence of impurities Gun seat worn out	Clean Replace the seat
Leakages from the seals	Seals worn out	Replace the seals
The trigger opens up with difficulty	The pressure inside the circuit is too high	Check the bypass valve and adjust it if necessary

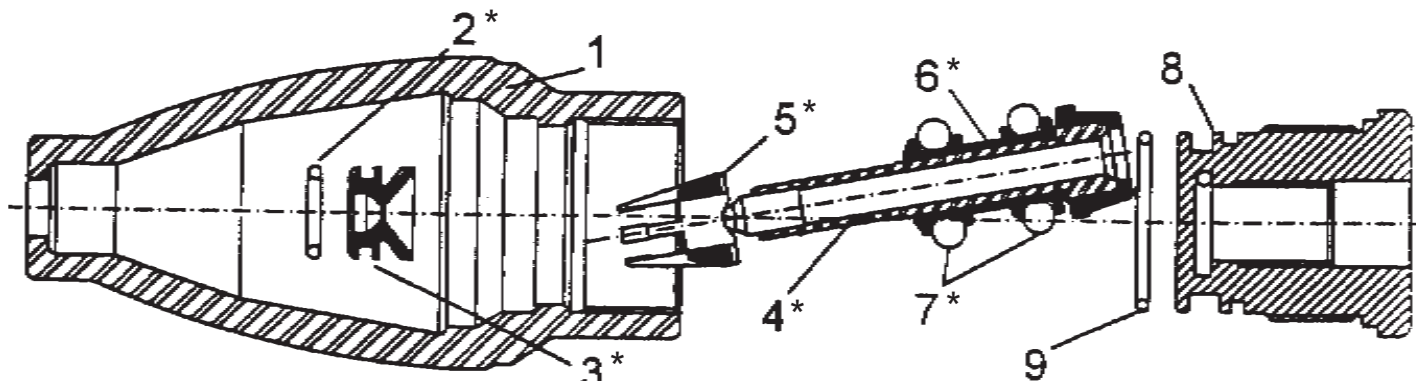


Model 22400-60



Turbo Laser

TM



Parts List

Item	Part#	Description	Quantity
1	27020	Pressure Casing	1
8	27019	Drive Plug	1
9	13436	O-Ring	1

Operating Conditions

	U.S.	Metric
Max. Flow:	15.9 GPM	60.2 l/m
Max. Pressure:	7250 PSI	500 bar
Max. Temperature:	212° F	100° C
Spray Angle:	20°	
Weight:	1.8 lbs.	.82kg
Connection:	1/4" BSP	

Note: Item numbers 2-7 are sold in kits
Kit # 09485-60

TURBO LASER REPAIR INSTRUCTIONS

- 1) Using a 24mm boxed end wrench and 24mm socket, unscrew the pressure casing (item #1) from drive plug (item #8).
- 2) Remove rotor assembly (items #4-7) and replace with assembly found in kit.
- 3) Using a 5/16" wooden dowel rod press out seat assembly (item #2 & 3) from the top side of pressure casing (item #1). Replace with new seat assembly (item #2 & 3).
- 4) Insert rotor assembly (items #4-7) into the pressure casing (item #1) and secure drive plug (item #8) onto the pressure casing.

Note: Gently shake entire turbo nozzle to make sure that it is properly assembled.
If there is no movement, confirm that the seat is pushed in as much as possible and repeat step 4.



WARNING: This product might contain a chemical known to the State of California to cause cancer, and birth defects or other reproductive harm.
For more information go to www.P65Warnings.ca.gov

GIANT
Performance Under Pressure

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