# P.A. – S.p.A. – EQUIPAGGIAMENTI TECNICI DEL LAVAGGIO

VIA MILANO, 13 – CASELLA POSTALE 115 – 42048 RUBIERA (REGGIO EMILIA) – ITALY Tel. +39 0522 623611 – Fax. +39 0522 629600 – R.E.A. RE 156319 – R.I. RE11535 – Mecc. RE 013446 C.F. e P. IVA 01035950359 – Cap. Soc. i.v. € 750.000,00 – Codice Identificativo C.E.E. IT 01035950359 ART. 2497 – BIS C.C. DIREZIONE E COORDINAMENTO BENETTI srI R.I. TRIB. DI RE 01480690351 Web: http://www.pa-etl.it – **E-mail:** info@pa-etl.it



**DN10** 



RL26 Weeping - Spray gun 250 bar - 25 MPa

Technical manual : E 138

Guns suitable for use up to 250 bar – 25 MPa rated pressure pumps. Always leaks a small quantity of fluid.

- 30.1790.00 RL26 Weeping G3/8 G1/4 FF
- **30.1790.50** RL26 Weeping 3/8NPT 1/4NPT FF
- 30.1792.00 RL26 Weeping + SW8 G3/8 G1/4 FF
- 30.1795.00 RL26 Weeping (0.6) G3/8 G1/4 FF
- 30.1794.00 RL26 Weeping (0.6) + SW8 G3/8 G1/4 FF
  - Covered by shockproof plastic semi-housings.
  - Sst seat and ball.
  - Internal structure in brass and Sst.
  - Ergonomic construction.
  - Minimum fatigue for trigger opening and use.

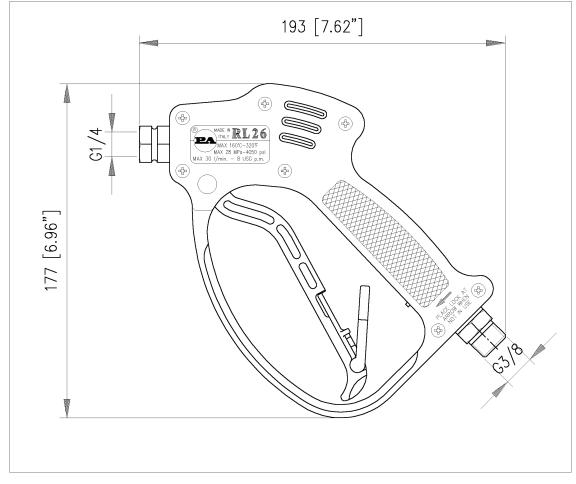
TECHNICAL SPECIFICATIONS													
Maximum temperature 160°C (1)													
P/N	RATED	PERMISSIBLE	MAX FLOW	WEEPING WITH	INLET	WEIGHT							
	PRESSURE bar - MPa	PRESSURE bar - MPa	RATE I/min	PRESSURE 2.8 bar – 0.3 MPa I/min	OUTLET	gr							
30.1790.00	250 - 25	280 - 28	30	1.1 ÷ 1.3	G3/8 G1/4 FF	380							
30.1790.50	250 - 25	280 - 28	30	1.1 ÷ 1.3	3/8NPT 1/4NPT FF	380							
30.1792.00	250 - 25	280 - 28	30	1.1 ÷ 1.3	G3/8 G1/4 FF	400							
30.1795.00	250 - 25	280 - 28	30	0.6 ÷ 0.8	3/8NPT 1/4NPT FF	380							
30.1794.00	250 - 25	280 - 28	30	0.6 ÷ 0.8	G3/8 G1/4 FF	400							

(1) The gun has been designed for continuous use, at a water temperature of  $90^{\circ}$ C ( $195^{\circ}$ F). It can resist at the max temperature of  $160^{\circ}$ C ( $320^{\circ}$ F) for short periods only, as, when the gun shuts off, the heater continues to transmit the heat to the water, thus increasing both temperature and pressure up to high, dangerous values.

Using the gun at a water temperature higher than  $60^{\circ}$ C involves for the operator the use of adequate safety devices, such as gloves, glasses, etc.

Instruction manual, maintenance, installation, spare parts.	
For a correct utilization, follow the directions of this manual	n. 12.9138.00
Re-print them on the Use and Maintenance booklet of the machine.	

## **DIMENSIONAL DRAWING**



## 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 the PA Technical department. 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 rate imprinted on the gun.

#### INSTALLATION

This gun was designed to operate with <u>hot water</u> (in compliance with the technical specs). Provide the plant generating <u>hot water</u> with an equipment limiting the incidental increase of the fluid temperature.

Always fit a safety valve to protect the delivery conduct when the latter is under pressure.

Choose a suitable nozzle and ad just the valve mounted in the front of the gun, thus obtaining a constant supply and avoiding unpleasant 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.

#### **OPERATIONS**

The gun opens and closes a high pressure conduct by means of a piston acting on a seat; the return is controlled by a spring which releases the trigger. Attention: during pump activation always set the gun with its safety latch connected in order to prevent accidental openings

### WATER HOSE FEED

By high or very unsteady pressure values on delivery, it is necessary to mount a pressure reducer, both to level the flow rate on delivery and to protect the system components.

# PROBLEMS AND SOLUTIONS

PROBLEMS	PROBABLE CAUSES	SOLUTIONS			
Excessive fluid loss	Seat and ball worn out Solis slag pollution	replace Fit adequate filters			
Leaking seals	Seals worn out	replace			
Difficult trigger opening	High pressure inside circuit	Control the bypass valve and adjust if necessary			

## REGULATIONS

The design and construction of our products comply with: norm CEI EN 60335-2-79 first edition, published in 1999-03 and its respective variations on the project norm prEN 1829.

Read this manual before starting the assembly.

For a correct utilization, follow the directions described in this manual and re-print them on the <u>Use and maintenance</u> <u>manual of the machine.</u>

The present manual is valid for all the guns named RL 26 Weeping

## SPARES

Use original PA spares only in order to get both a correct operation and a long lasting, reliable product..

# MAINTENANCE

Maintenance has to be carried out by **Specialized Technicians.** 

STANDARD: every 400 working hours (circa 10,000 cycles), check and lubricate the seals with water resistant grease.

SPECIAL: every 800 working hours( circa 20,000 cycles), check the wear of the seals and internal parts and if necessary, replace with original PA parts, taking care during installation to lubricate with water resistant grease.

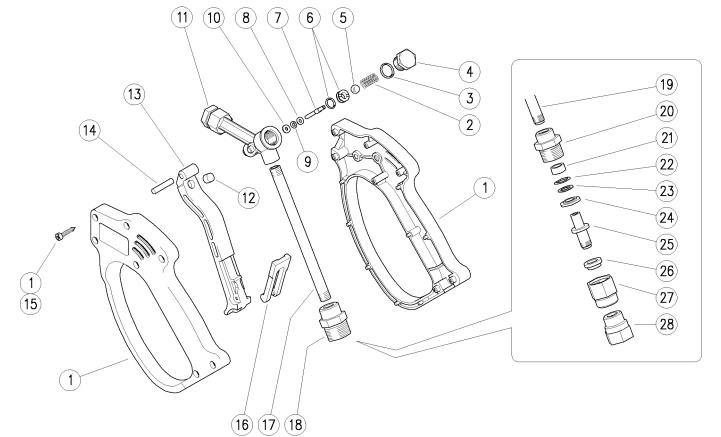
**<u>CAUTION</u>**: re-assemble the gun restoring the original conditions.

# The manufacturer is not to be considered responsable for damage as a result from incorrect fitting and maintenance.

Technical data, descriptions and illustrations are indicative and liable to modification without notice.

## 30.1790.00 RL26 weep.gun 3/8M-1/4F Bsp (l.1,1) 30.1790.50 RL26 weep.gun 3/8F-1/4F Npt 30.1792.00 RL26 weep gun(1,1L)+sw8 3/8-1/4Bsp FF

30.1794.00 RL26 weep gun(0,6L)+sw8 3/8-1/4Bsp FF 30.1795.00 RL26 weep.gun 3/8M-1/4F Bsp (I.0,6)



Pos	. P/N Description	Q.ty	K1	K2	K3K	4		Ро	OS.	P/N	Description	Q.t	у К1К2К3	3 K 4 🕯	
1	30.1759.24 Casing-kit -RL26 +screws, Sst.	1					1	1	15 16.3	8075.51	1 S/tapping scr. 3,5x18 mm sst.	7		-	10
2	2 30.0703.51 Spring, 1,3x8,5x19 mm Sst.					1	10	1	16 30.1	515.84	4 Safety latch, PA blue	1		·	10
3	3 10.3060.01 O-ring, 1,78x12,42 mm Ni 85		•	•		1	10	1	17 30.0	706.56	6 Tube, 1/8Bsp MM Sst.	1		-	10
4	4 30.0702.31 Plug, M14x1 brass					1	10	1	18 30.1	521.31	1 Coupl., 1/8F-3/8M Bsp c/sunk brass (3)	1			5
5	5 14.7448.00 Ball, 5/16" Sst.		•	•		1	10	1	18 30.1	517.31	1 Coupl., 1/8F Bsp-3/8F Npt brass (2)	1		-	10
6	30.0716.20 Weep.seat,5,8mm+O-ring (l.1,1)	1	•			1	10	1	19 30.0	)734.56	6 Tube, 1/8Bsp MM 97mm Sst. (4)	1			5
6	30.0710.20 Weep.seat, 6x11 mm+O-ring (I.0,6) (1)	1		•		1	10	2	20 30.0	)727.31	1 Coupl., 1/8F Bsp-M20x1M brass (4)	1		-	10
7	30.0704.51 Piston, 3-4 mm Sst.	1	•	•		1	10	2	21 30.0	)728.84	4 Bushing, 9x13x6 mm plast. black (4)	1		-	10
8	14.3511.00 Washer, 3,2x7x0,5 mm sst.	1	•	•		1	10	2	22 10.3	8109.93	3 O-ring, 2,4x8,3 mm Vi 70 (4)	1		-	10
9	10.3165.00 O-ring, 2,62x2,84 mm Vi 70	1	•	•		1	10	2	23 10.4	1008.50	0 Back-up ring, 9x13,2x1,2 mm (4)	1		ŀ	10
10	10.4018.00 Back-up ring, 3,2x7,5x1,2 mm	1	•	•		1	10	2	24 30.0	)729.31	1 Spacer ring, 9x19x3 mm brass (4)	1		-	10
11	30.1700.35 Central housing -RL26, 1/4F Bsp brass	1					5	2	25 30.1	553.31	1 Pin -SW, M10x1,25 M brass (4)	1			5
11	30.1701.35 Central housing -RL26, 1/4F Npt brass (2)	1					5	2	26 30.0	)730.84	4 Bushing, 10x17x6 mm plast. black (4)	1		-	10
12	30.0675.84 Stop pin, 8x7,1mm PA	1				1	10	2	27 30.0	)733.31	1 Nipple, M20x1 F brass (4)	1			5
13	30.1704.84 Trigger -RL26, PA black	1				1	10	2	28 30.1	554.31	1 Coupl., M10x1,25F-3/8F Bsp brass (4)	1			5
14	30.0509.31 Parallel pin, 5x24,5 mm brass	1				1	10								
							-								
Ki	P/N Description					1									
K1	K1 30.0725.24 Spares kit -RL26 weep, (1,1L)8x1pcs.						1								
K2	K2 30.1788.24 Spares kit -RL26 weep, (0,6L)8x1pcs. 1					1									

(1) 30.1795.00 (2) 30.1790.50 (3) 30.1790.00 (4) 30.1792.00