Tecpro AUSTRALIA

Technical Solutions You Can Rely On

RB 65 – Adjustable spray wash gun for food industry - 24 bar – 2.4 MPa

Technical manual : **E 123**

Guns suitable for use up to 24 bar – 2.4 MPa rated pressure pumps.
Shockproof gun with adjustable conical/pencil jet.

- **TEC6430** RED RB65 LOW FLOW 1/2"BSPF SWIVEL INLET
- **TEC6438** BLUE RB65 LOW FLOW 1/2"BSPF SWIVEL INLET
- **TEC6445** BLUE RB65 HIGH FLOW 1/2"BSPF SWIVEL INLET
- **TEC6453** BLUE RB65 HIGH FLOW 1/2"BSPF SWIVEL INLET AND 1/2" OUTLET

- Low pressure gun with conical/pencil jet controlled by the trigger.
- Adjustable screw to vary cone width from 0° to 60 °
- Covered by semi-housings of non-stainable shockproof plastic,entirely sealed and with 3 rubber protective rings.
- Plastic trigger protected by hand guard.
- Minimum fatigue for trigger opening and use.
- Internal stricture in brass and Sst
- Ergonomic construction
- On request, inlet swivel connection.

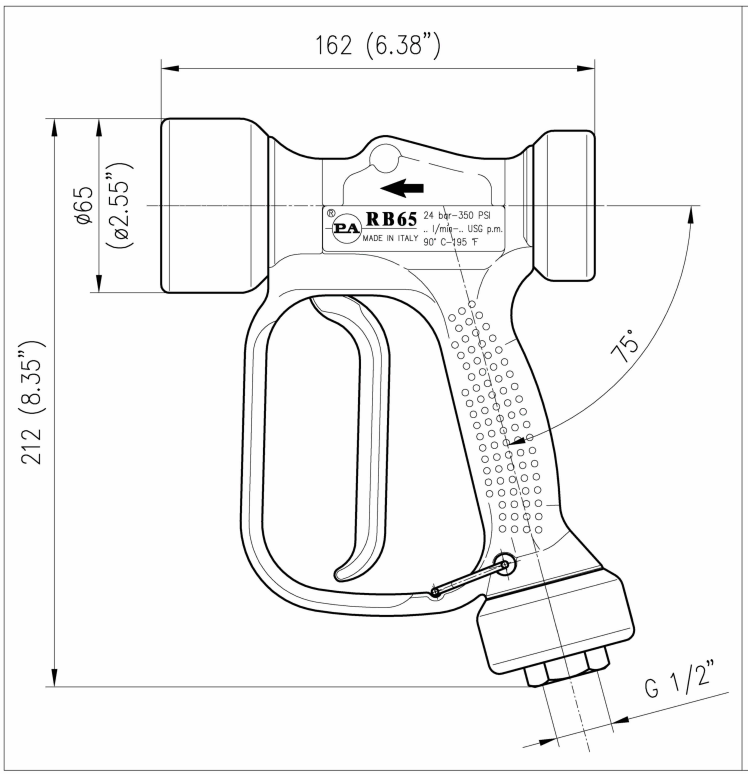
TECHNICAL SPECIFICATIONS

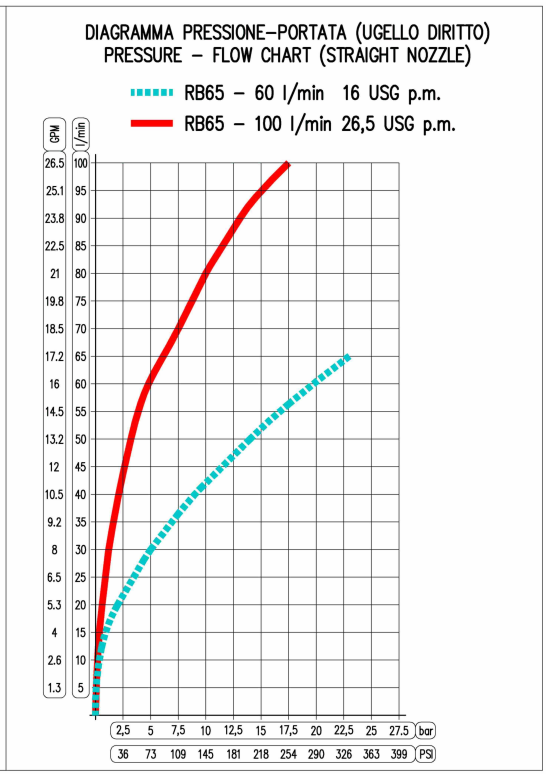
P/N	RATED PRESSURE bar - MPa	MAX FLOW RATE L/min	(1) MAX TEMPERATURE	NOZZLE SIZE	INLET	WEIGHT gr
TEC6430	24 – 2.4	60	90	0 - 60	G1/2 F	1045
TEC6438	24 – 2.4	60	90	0 - 60	G1/2 F	1045
TEC6445	24 – 2.4	100	90	0 - 100	G1/2 F	1045
TEC6453	24 – 2.4	100	90	0 - 100	G1/2 F	1045

(1) The gun has been designed for continuous use, at a water temperature of 60℃ (140℉). It can resist at the max temperature of 90℃ (195℉) 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℃ involves for the operator the use of adequate sa fety devices, such as gloves, glasses, etc.

Instruction manual, maintenance, installation, spare parts. For correct utilisation, follow the directions of this manual	n. 12.9123.00

DIMENSIONAL DRAWING AND PRESSURE DROP CHART





INSTRUCTIONS

This product is to be utilised with clean fresh water, even with diluted 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 **hot water** (in compliance with the technical specs). Provide the plant generating **hot water** 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.

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
Leakage from the nozzle	Presence of impurities Gun seat worn out	Clean Replace seat Fit adequate filters and/or check
Leaking seals	Seals worn out	Replace seal
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 correct utilisation, follow the directions described in this manual.

The present manual is valid for all the guns named **RB65.**

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

MAINTENANCE

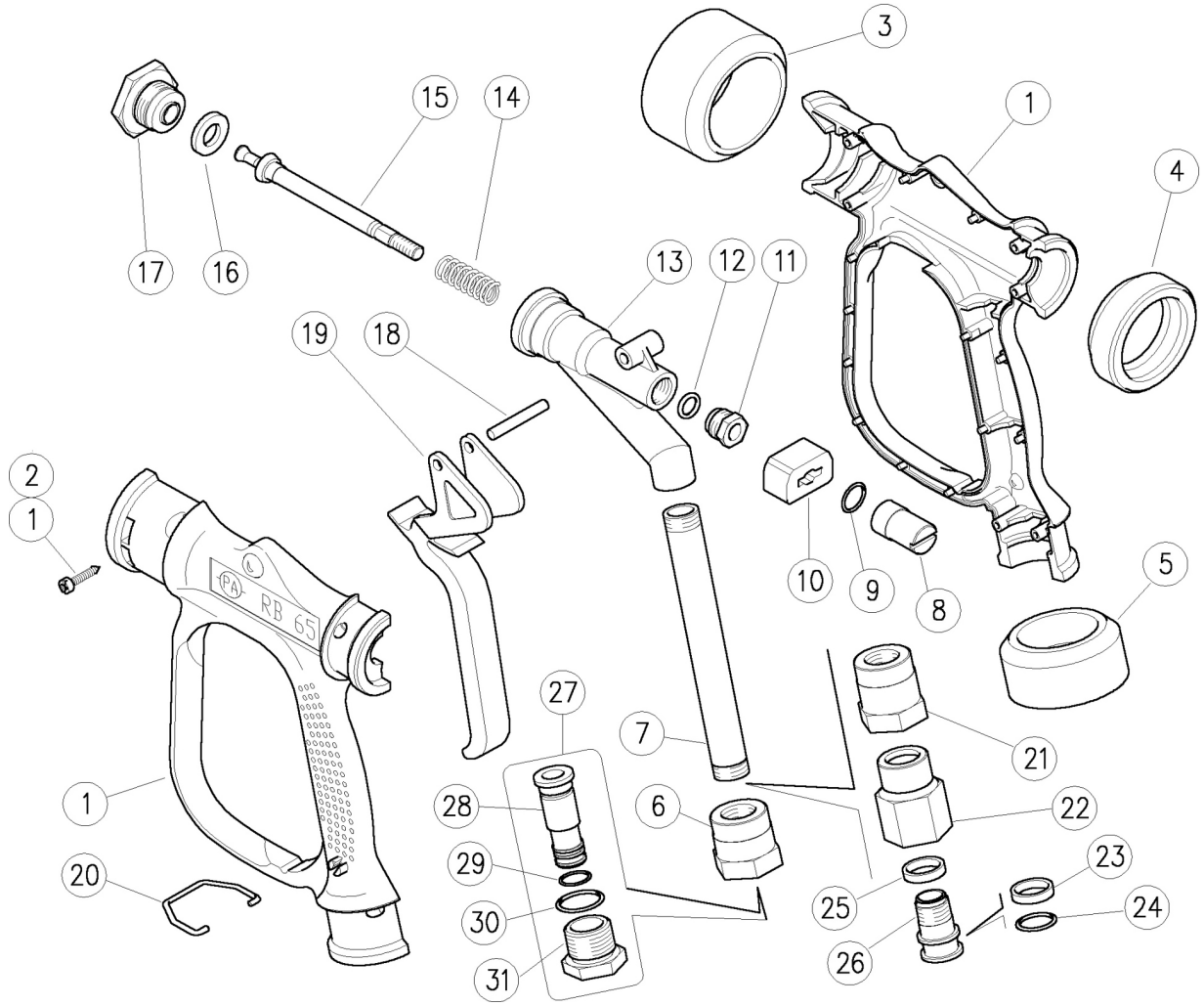
Maintenance has to be carried out by **Specialised Technicians.**

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.

CAUTION: re-assemble the gun restoring the original conditions.

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

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



Pos.	P/N	Description	Q.ty
1	**P30642024**	Casing-kit -RB65-60L +screws, Sst. (1)	1
1	**P3**0644624	Casing-kit -RB65-100L +screws, Sst. (2)	1
2	**P1**6307551	S/tapping screw, DIN7981 3,5x18 mm Sst.	6
3	**P3**0641284	Front guard ring, TPEs blue	1
4	**P3**0641384	Back guard ring, TPEs blue	1
5	**P3**0641484	Lower guard ring, TPEs blue	1
6	**P3**0640731	Coupl., M16x1,5F-1/2F Bsp brass (1)	1
7	**P3**0640936	Tube, M16x1,5 FF 130 mm brass	1
8	**P3**0641831	Regulating pin, M7	1
9	**P1**0309110	O-ring, 2x14 mm Vi 70	1
10	**P3**0640484	Sliding block, PA blue (1)	1
10	**P3**0644384	Sliding block, PA red (2)	1
11	**P3**0641731	Plug, M14x1 M brass	1
12	**P1**0317010	O-ring, 2,62x7,6 mm Vi 70	1
13	**P3**0640535	Housing -RB65, brass	1
14	**P3**0641051	Spring, 1,8x12,8x40 mm Sst.	1
15	**P3**0640631	Piston -RB65, brass 60L/min (1)	1
15	**P3**0644231	Piston -RB65, brass 100L/min (2)	1
15	**P30640651**	Piston -RB65, **316SS 60L**/min (**1**)	1

Pos.	P/N	Description	Q.ty
16	**P3**0640885	Front seal, 11x20,5x3 mm FKM80	1
17	**P3**0640331	Front Coupl. -RB65, brass 60L/min (1)	1
17	**P3**0644131	Front coupl. -RB65, brass 100L/min (2)	1
18	**P3**0642831	Parallel pin, 5x38 mm brass	1
19	**P3**0641184	Trigger -RB65, PA blue (1)	1
19	**P3**0644484	Trigger -RB65, PA red (2)	1
20	**P3**0641551	Trigger retainer, Sst.	1
21	**P3**0642631	Coupl. -SW, M15x1F-M16x1,5F (3)	1
22	**P3**0642731	Coupl. -SW, 1/2F Bsp (3)	1
23	**P2**6107585	Bushing, open 15,5x19x4 mm PTFE (3)	1
24	**P1**0309210	O-ring, 2x15 mm Vi 70 (3)	1
25	**P2**6107485	Bushing, 15,5x19x4 mm PTFE (3)	1
26	**P2**6107231	Pin, M15x1-19 mm brass (3)	1
27	**P3**0643000	Swivel, brass -RB65+13mm h.barb	1
28	**P3**0643131	13mm hose barb, brass	1
29	**P1**0306000	O-ring, 1,78x12,42 mm	1
30	**P1**0309290	O-ring, 2x19 mm	1
31	**P3**0643231	Coupl. -SW, 1/2M Bsp brass	1