



KINDSWATER

Operating Instructions and Description

Turbo nozzle KW-P2368/950 - PN 16 EN 15182-2 Type 3

1. Features and Properties

| Type | KW-P2368/950 |
|--------------------------------|-----------------------------|
| Flow settings at 6 bar (l/min) | 285 / 500 / 600 / 800 / 950 |
| Connection | BSS 2 1/2" male |
| Measurements (mm) | 370 x 255 x 128 |
| Weight | 3,5 kg |
| Item number | 900011090 |

- Jet form adjustable from full jet to spray jet with water curtain effect
- Pointer when set to spray jet, easy to feel for better orientation in zero visibility
- All jet forms that can be set fixed using lock points
- Flow rates can be adjusted using rotating ring in four locking positions from 285 to 950 l/min
- Pointer when set to 800 l/min, easy to feel for better orientation in zero visibility
- Rinsing position for flushing out dirt particles even during use
- Ergonomic pistol grip and easy-access switch lever
- Robust make (anodised aluminium, stainless steel, rubber)
- Ball bearing in control element made from chrome-plated brass
- Stainless steel turbo wheel
- Inlet swiveling under pressure
- Serial number on each nozzle

2. General Information

- Read the operating instructions before use!

- ⚠ Before use, check the nozzle and operating elements for damage or malfunction!
- ⚠ Nozzles generate recoil forces, depending on the pressure and flow rate!
Always open and close the nozzle slowly!



KINDSWATER

3. Commissioning and Operation

- Connect the nozzle to an appropriate hose.
- Ensure that the nozzle and hose are coupled together properly.
- Always hold the nozzle tightly by the handle before opening it.
- Always open and close the nozzle slowly.
- To change the jet form, rotate the jet pipe head into the desired position (pointer at 12 o'clock = spray jet; rotation to the right = full jet; rotation to the left = water curtain).
- To change the flow rate, rotate the adjustment ring left or right into the desired position.
- To use the rinsing function, rotate the adjustment ring for the flow rate to the left, past the 950 l/min marking until it cannot rotate any further.

4. Product Information

- The optimum flow is achieved at an inlet pressure of 6 bar.
- The maximum working pressure is 16 bar.
- When the pressure is less than 6 bar, only a limited flow and reduced discharge distance are achieved.
- Only suitable for use with water and fire extinguishing foam.

5. Safety Information

- Only use the nozzle when no damage or malfunction has been found on the nozzle or operating elements.
- Leave the hazardous area immediately if pressure is applied to an unsupervised nozzle in an open state or a bearer loses an open nozzle that is subject to pressure. Never try to "catch" a nozzle that is out of control! Remove the pressure from the nozzle immediately!
- Do not make any impermissible modifications to the nozzle or the operating elements!

6. Extinguishing on Electrical Systems

- ⚠ Poor visibility (smoke, darkness) and other conditions surrounding fires make it impossible to determine safety distances with any accuracy! It is recommended that the electricity supply is interrupted as quickly as possible and the greatest possible safety distance maintained (min. 1 m at voltage of up to 1000 V), as well as using a minimum spray angle of 30°! If these conditions cannot be met, do **not** use the nozzle to fight fires on electrical systems!



KINDSWATER

7. Maintenance

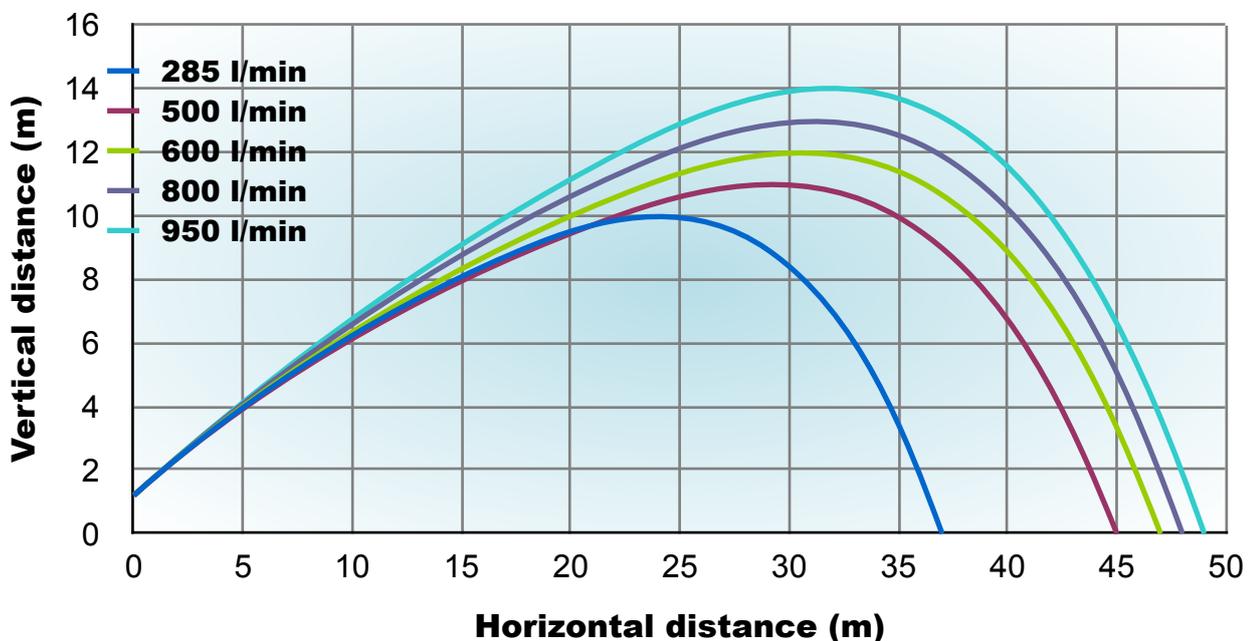
- Low maintenance due to high quality and care in manufacture.
- After each use, remove the water from the jet pipe by opening and closing it repeatedly.
- After use with foam agents, flush the jet pipe thoroughly with water.
- After each use, inspect for defects and malfunctions in the operating elements.

The jet pipe can be dismantled and reassembled using special tools, but this requires functional expertise and some experience.

Because the flow settings have to be reset each time the device is dismantled and reassembled, we recommend returning it to the factory when repairs are required.

9. Distance chart

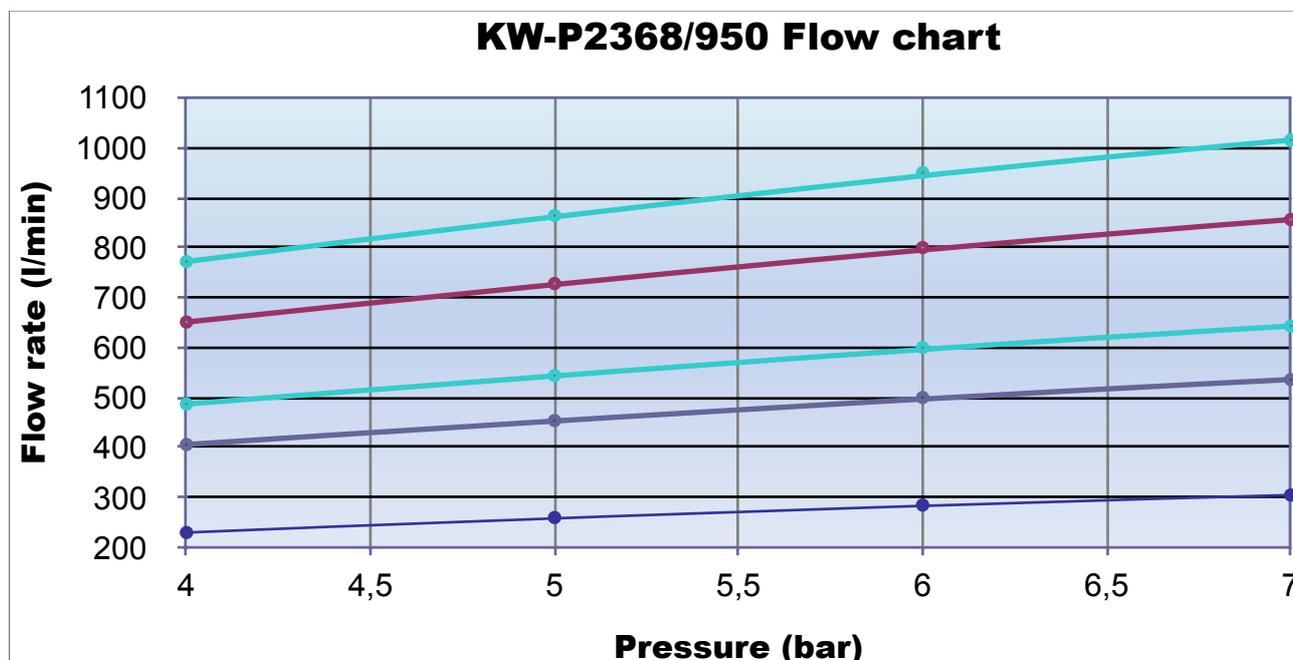
KW-P2368/950 Distance chart (@ 6 bar)





KINDSWATER

10. Flow chart

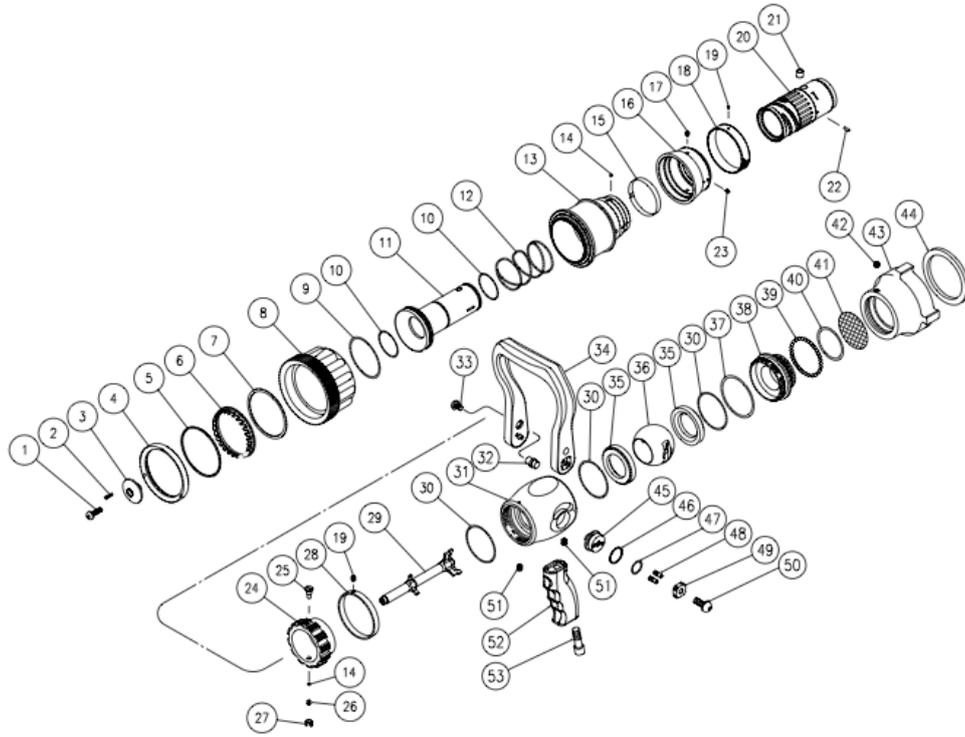


| Pressure (bar) | KW-P2368/950 Flow rate(l/min) | | | | |
|----------------|-------------------------------|-----|-----|-----|------|
| | 285 | 500 | 600 | 800 | 950 |
| 4 | 230 | 406 | 487 | 651 | 772 |
| 5 | 260 | 454 | 544 | 728 | 864 |
| 6 | 285 | 500 | 600 | 800 | 950 |
| 7 | 305 | 536 | 643 | 856 | 1015 |



designed to protect

KINDSWATER



Bill of material

| ITEM NO. | DESCRIPTION | PARTS NO. | MATERIAL | QUANTITY | ITEM NO. | DESCRIPTION | PARTS NO. | MATERIAL | QUANTITY |
|----------|--------------------|-----------|-----------------|----------|----------|---------------------|-----------|-----------|----------|
| 1 | SCREW(#10-24UNC) | S0039 | 304 S.S | 1 | 28 | INDICATING BAND | A0953 | ALUMINUM | 1 |
| *2 | SCREW(#4-40UNC) | S0065 | 304 S.S | 3 | 29 | STEM | A0962 | ALUMINUM | 1 |
| 3 | BAFFLE | A0950 | ALUMINUM | 1 | *30 | O-RING(S-50) | O0230 | EPDM | 3 |
| 4 | RETAINING RING | A0419 | ALUMINUM | 1 | 31 | VALVE BODY | A1071 | ALUMINUM | 1 |
| 5 | TEETH BEARING | F0009 | TEFLON | 1 | 32 | DRIVE SHAFT | F0263 | BRONZE | 2 |
| 6 | SPINNING TEETH | D0006 | STAINLESS STEEL | 1 | 33 | SCREW | S0030 | 304 S.S | 2 |
| 7 | TEETH BEARING | F0008 | TEFLON | 1 | 34 | HANDLE | A0999 | COMPOSITE | 1 |
| 8 | BUMPER | D0034 | EPDM | 1 | *35 | SEAT | F0310 | TEFLON | 2 |
| 9 | O-RING(G-65) | O0370 | EPDM | 1 | 36 | BALL | F0111 | BRONZE | 1 |
| 10 | O-RING(S-40) | O0210 | EPDM | 2 | *37 | O-RING(G-55) | O0340 | EPDM | 1 |
| 11 | DISCHARGE TUBE | A0964 | ALUMINUM | 1 | 38 | ADAPTER | A1081 | ALUMINUM | 1 |
| 12 | SPRING | F0057 | 304 S.S | 1 | 39 | BALL BEARING(3/16") | F0076 | 304 S.S | 35 |
| 13 | PATTERN SLEEVE | A0954 | ALUMINUM | 1 | *40 | O-RING(G-45) | O0325 | EPDM | 1 |
| 14 | BALL BEARING(4mm) | F0071 | 304 S.S | 2 | 41 | SCREEN | F0188 | 304 S.S | 1 |
| 15 | ROUND SPRING | F0003 | 304 S.S | 1 | *42 | SCREW(1/4"-28UNF) | S0112 | 304 S.S | 1 |
| 16 | WEAR RING | A0955 | ALUMINUM | 1 | 43 | SWIVEL(2.5"NH) | A1094 | ALUMINUM | 1 |
| 17 | SCREW(#10-32UNF) | S0130 | 304 S.S | 1 | *44 | GASKET(80*64*5) | D0071 | EPDM | 1 |
| 18 | INDICATING BAND | A0951 | ALUMINUM | 1 | *45 | TRUNNION | F0101 | ALUMINUM | 2 |
| 19 | SCREW(M3*0.5) | S0016 | 304 S.S | 2 | *46 | GASKET | F0017 | TEFLON | 2 |
| 20 | NOZZLE BODY | A0965 | ALUMINUM | 1 | *47 | O-RING(P-19) | O0090 | EPDM | 2 |
| 21 | ROLLER | F0750 | BRONZE | 1 | *48 | SCREW(3/16"-32UNF) | S0131 | 304 S.S | 4 |
| 22 | PIN(3mm*7.5L) | F0290 | BRONZE | 1 | 49 | RETAINING PLATE | A1006 | ALUMINUM | 2 |
| 23 | SCREW(#10-32UNF) | S0090 | 304 S.S | 1 | *50 | SCREW(5/16"-24UNF) | S0031 | 304 S.S | 2 |
| 24 | CONTROL RING | A0959 | ALUMINUM | 1 | *51 | SCREW(1/4"-20UNC) | S0111 | 304 S.S | 2 |
| 25 | SCREW(5/16"-24UNF) | S0250 | 304 S.S | 1 | 52 | PISTOL GRIP | A0115 | COMPOSITE | 1 |
| 26 | SPRING | F0159 | 304 S.S | 1 | 53 | SCREW(3/8"-24UNF) | S0029 | 304 S.S | 1 |
| 27 | SCREW(5/16"-24UNF) | S0074 | 304 S.S | 1 | | | | | |

"*" indicates that the parts included in service kit