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# **ReFuelling Nozzles**



# The World's Toughest and Safest Nozzles

### Toughest

Made from steel and aluminium, not plastic, BANLAW Refuelling Nozzles last twice as long in the field. Our accredited repairer network fix them like new. BANLAW - *Repairable not disposable!* 

### Safest

BANLAW nozzles have a proven safety record because our dependable ball locking mechanism means the nozzle cannot 'fly off', risking the safety of the refuelling operator. Refuelling at ground level and automatic cut-off means the BANLAW nozzle is easier to use and the refuelling operators don't risk climbing onto vehicles, thus reducing the chance of worker injury and compensation.

## **Cleaner Environment**

The BANLAW Dry Break automatic cut-off system reduces the risk of fuel spills, ensuring a cleaner working environment.

## **Increased Productivity**

With a 2" bore, BANLAW nozzles have the highest flow rate capability, reducing refuelling times. This means better vehicle productivity. The choice of 5 shut-off pressure settings allow flexible solutions to the most complex refuelling problems.

## The Best Investment

The BANLAW nozzle is repairable, not disposable, lasts twice as long in the field and can reduce refuelling times. Basically, it costs less in the long run and is built to last.

All BANLAW nozzles are:

- Compatible with the BANLAW FillSafe<sup>™</sup> System (Zero Tank Pressure)
- Compatible with the BANLAW FuelTrack<sup>™</sup> System (Fuel Monitoring)

YOUR INVESTMENT IS MAXIMISED BY CHOOSING BANLAW



## **BP800 Series Nozzles**

FLOW RATE 170 - 800 LPM / 45-211GPM



BPM800 Nozzle

AUS23 Receiver

AUS25A Vent with AUS25AA-1 Coupling





AUS23R Receiver



AUS25R Vent with AUS25AA-1 Coupling



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## **BA1000 Series Nozzles**

FLOW RATE 400 - 1000 LPM / 106-264GPM





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"innovative refuelling specialists"

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800 Series Nozzle - Flow Test Data





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#### Legend

L (Light), ML (Medium/Light), M (Medium) MH (Medium/Heavy), H (Heavy)

#### Head loss curves

show pressure drop across nozzle & Banlaw Receiver (Diesel)

#### Setting curves

Automatic shut-off of nozzle is initiated by a limiting static pressure measured at the 2" nozzle inlet. Nozzle spring setting is determined by flow rate and head pressure of refuelling application. Actual inlet static pressure must be less than that shown for spring setting.

e.g. For 800 series: 150kPa @ 450 l/min, require minimum of M spring setting

## Recommended Operating Conditions

Maximum Static Head Pressure: 2.5 MPa (363 psi)

#### Flowrate Range Diesel

1000 Nozzle 400-1000 l/min. (106-264 gals/min.) 800 Nozzle 170-800 l/min. (45-211 gals/min.)

#### **Spring Settings**

L, ML, & M spring P/N. BP800029 MH & H spring P/N. BP800027 Nozzle setting denoted by letters L, M, etc. after nozzle model No. e.g. BPM800M, BAM1000ML

#### **Physical Properties**

Mass (with plug) 1000 Series Nozzle 4.3 kgs. (9.5 lbs.) 800 Series Nozzle 3.4 kgs. (7.5 lbs.)



### **Constituent Materials**

Aluminium, zinc plated mild steel, stainless steel, polyurethane, VITON seals.



Please Note: Use only Banlaw factory replacement parts. Failure to do so may cause equipment failure or malfunction, vehicle damage and invalidate factory warranty.

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