

# B.M.E.UK.LTD.

BORLAND MARINE ENGINEERING LTD.

[WWW.BMEUK.CO.UK](http://WWW.BMEUK.CO.UK)

**DNV 2.7-1  
BME- MUNCHER  
AIR DRIVEN AT 7-10 BAR  
1MM PARTICLE SIZE  
3 STAGE FILTER HOUSING  
HOPPER AND BY PASS CIRCUIT**



DESIGN  
MANUFACTURE  
MAINTENANCE

BME UK .

At Borland Marine Engineering we specialize in designing and manufacturing equipment to meet the customer's needs

Borland Marine Engineering has over 50 years of combined engineering knowledge to ensure that the customer gets exactly what they require.

The BME engineering and technical team carries out intensive research and development to ensure that units comply with all current legislations.

- DNV 2.7-1
- ATEX
- ZONE I AND II
- NORSOC

 DESIGN

 MAINTENANCE

 MANUFACTURE

NEVIS BUSINESS PARK  
BALGOWNIE ROAD  
ABERDEEN  
SCOTLAND  
01224 825320

# Grinding solutions that work for your business.

BME UK ENSURE THAT THE END PRODUCT IS EXACTLY WHAT YOU ORDERED BY HOLDING PROJECT PLANNING MEETINGS PRIOR TO BUILD.

## Typical unit lay out.

BME UK runs a strict quality and feedback system fully complying with ISO 2001

All design and manufacturing procedures are carefully managed and controlled

BME runs a strict NCR policy that ensures continuo's improvement methods

BME only purchases from fully approved vendors

### Main Frame Design.

The frames are designed to DNV2-7.1 / BS EN 12079 build regulations that are mandatory throughout the oil and gas industry

All frames are load tested to 2.5 times over the safe working load.

The coating is a typical 3 coats system.

The specification document comes with final release and full traceability

### DRIVE MOTOR AND CONTROL

The Pneumatic drive motor is flange mounted onto a torque convertor gear box. The drives are fully enclosed and mounted directly to the munchers body.

The control valve is a 4 way valve block with detent neutral. The valve block is fitted with a silencer.

The air feed comes through a lubricator – regulator fitted with gauge.

The drive pressure is 7-10 bar.

### FILLING / FILTERING

HOPPER FOR MANUAL FILLING.

2" COUPLING FOR DIRECT PUMPING.

BYPASS FOR UN-BLOCKING.

OUTLET 3 STAGE FILTER BLOCKS.

½ INCH TAP FOR SAMPLE POINT.

### ATEX

ATEX 94 will give the customer the highest level of build quality. It will allow the unit to work on a global market. The end release documents will carry a full ATEX design review and risk assessment. This allows the unit to work in a Zone I area.

### MATERIAL

The pipe work – hopper and filters are all made from stainless steel for anti corrosion.

The main muncher is suitable for holding pressures above 200 psi for force feeding and closed loop circuits.

The system is ideal for shut down work and also NORM / LSA contaminated waste.



BME UK WANT TO DESIGN – MANUFACTURE AND MAINTAIN YOUR UNITS, ASK THE QUESTION "PLEASE"

Call the office or email- [sales@bmeuk.co.uk](mailto:sales@bmeuk.co.uk) BME will be delighted to assists in your needs for Pumping solutions..